



SHOW DAILY



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RIDER INFO



LOTTO
BELISOL

ANDRÉ GREIPEL

RIDERS INFO



AGE:
35 - 40



SENSITIVITY
TO PRESSURE:
LOW



BODY TYPE:
ENDOMORPH



DELTA SADDLE TO
HANDLEBAR:
MEDIUM



RIDING STYLE:
FLAT

SUGGESTED SADDLE

DIMA



Rail:	DNA CARBON, UD FINISH / 9.8 x 7 mm
Shell:	CARBON FIBER REINFORCED
Cover:	MICROFEEL
Dimension:	278 x 148 mm
Weight:	149 g

Regale



WIDE



What's on today and tomorrow

Friday, Aug. 29 / Saturday, Aug. 30

Friday: All Day Events

Open Air Grounds West
Danny MacAskill's Drop and Roll Tour
 Watch some daredevil trials riding.

Open Air Grounds West
Nutcase Unframed for World Bicycle Relief
 Nutcase Unframed brings artistic helmet design alive to benefit World Bicycle Relief.

Additive Bikes (FG WAK-11)
Spacer One tryouts
 Additive Bikes, manufacturer of e-bikes and bike accessories, offers a free test of its Spacer One water bottle adapter unit for retailers — 100 tryouts per day.

Friday: Scheduled Events

07:00-08:30
 Rapha Racing (A2-503)
Rapha Eurobike Invitational Rides
 Ride to Eurobike. Start in either in Langenargen or Meersburg, with Rapha carrying your essentials to the show. Registration required, at the Rapha stand or <http://pages.rapha.cc/stories/eurobike-2014>

09:00-09:45
 Eurobike Academy (Room Helsinki)
Good Red Wine and Fat Cigars in the Back Room?
 What actually is advocacy for the bike today? Christophe Schleidt presents the ADFC e.V. (in German).

09:00-09:45
 Eurobike Academy (Room Rom)
Potential of Cargo Bikes in the Commercial Sector
 What does the B2B sector require from producers and retailers? Presentation from Arne Behrenson (VCD), Karl Reiter (FGM) and Kevin Mayne (ECF).

09:00-12:00
 Devinci (B3-206)
Damien Oton
 Oton, in second place overall in the Enduro World Series 2014, appears at the Devinci stand.

10:00-11:00
 ExtraEnergy (Entrance East, ExtraEnergy Stage)
LEV Components Special Exhibition: Pedelec-Ant-riebe in Europa
 Talk on pedelec drive systems in the European market. In German.

10:00-11:30
 Eurobike Academy (Room Helsinki)
Battery Testing, Storage & Warranty Handling
 A primer for e-bike dealers. Talk by James Post of Battery Condition Test International Ltd.

10:30-18:00
 Conference Center East
 Rooms Paris and Berlin
13th Travel Talk: The Bike and Tourism Congress
 Visit the trade congress for cycling tourism. No additional ticket necessary. (See related story, page 36)

11:00
 Foyer East
Eurobike Fashion Show
 See the latest collections at Eurobike's famous high-energy Fashion Show. Featuring Inverse/Ciro Sport, Cube, Dare 2b, Funkier Bike Wear, Giant, Gonso, Gore Bike Wear, Pearl Izumi, Scott, Shimano Cycling Wear, Sugoi, Vaude Sport, and X-Bionic/Trere Innovation.

11:00-18:00
 Corratec (B1-300)
Mauro Sannino
 The Italian framebuilder takes measurements for custom frames.

11:15
 Room Berlin
Travel Talk: Future Prospects for MTB
 In which direction is mountain bike tourism developing?

11:30
 Room Berlin
Travel Talk: Alpine Pearls
 Sustainable mobility for a successful tourism region

11:30-12:15
 Eurobike Academy (Room Prag)
The Future of Payments
 Talk by Armin Schmid of Paypal.

11:30-12:30
 ExtraEnergy (Entrance East, ExtraEnergy Stage)
LEV Components Special Exhibition: Energiespeichersysteme
 Talk on energy-storage systems for pedelecs. In German.

11:45
 Room Berlin
Travel Talk: The Tourism Industry Focuses on Cyclists
 Results of a 2014 reader survey

12:00-12:45
 Eurobike Academy (Room Helsinki)
Ettrak – A Supply System for Electrical Transport in Cities and Urban Areas
 German-language talk by Tilmann Künzel.

12:10
 Room Berlin
Travel Talk: Trends and innovations
 Reports on bicycle tourism in the Pecha Kucha format: 20 images, 20 seconds each, including e-bikes, Taiwan, big cities and racing cyclists.

13:00-13:40
 Eurobike Academy (Room Helsinki)
Next Generation of Head and Brain Protection
 Johan Thiel, MIPS AB, presents the MIPS Brain Protection System.

13:00-14:00
 Compex (A1-203)
Sabine Spitz
 German cross-country star greets fans and signs autographs.

13:00-14:00
 ExtraEnergy (Entrance East, ExtraEnergy Stage)
LEV Components Special Exhibition: Pedelec-Service
 German-language talk on pedelec maintenance and bike leasing.

18:30
Open Air Grounds West
23rd EUROBIKE PARTY
Come let your hair down after another great Eurobike!

14:00
 Foyer East
Eurobike Fashion Show

14:00
 Room Berlin
Travel Talk: Cross-marketing
 Riese & Müller: examples of successful collaborations between e-bike manufacturers, luxury hotels and tourist associations; the "Cycling in Dutch" Campaign; 15 Years cross-marketing in bike tourism – a progress report. (Dual language.)

14:00
 Room Paris
Travel Talk: MTB Cycling Innovations
 How dropper seatposts are revolutionizing riding, and does wheel size really matter. In German.

14:00-14:45
 Eurobike Academy (Room Helsinki)
The Future of Retail – physical and digital customer's experience
 Talk by Steven Cook of Edenspikermann.

14:00-14:30
 iXS (B3-100/101)
Cedric Gracia, Richie Schley and Hans Rey autograph session.
 Grab a free iXS cap while you're there.

14:00-15:00
 Compex (A1-203)
Timo Bracht
 The two-time Ironman Europe winner signs autographs.

14:00-15:00
 ExtraEnergy (Entrance East, ExtraEnergy Stage)
LEV Components Special Exhibition: Innovative Fahrzeugkonzepte
 German-language talk on innovative Light Electric Vehicle concepts.

14:25
 Room Paris
Travel Talk: Mountain Biking in Scotland

14:30-16:30
 Giant and Liv Stand (B3-300)
Liv Happy Hour
 Enjoy complimentary beverages and celebrate the launch of this new women's cycling brand.

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TODAY

August 29
 Friedrichshafen
22°C (71°F)

☀️ ☁️
 Clouds with sun and chance of showers

TONIGHT

13°C (55°F)

☁️
 Cloudy

TOMORROW

22°C (71F)

☀️ ☁️
 Sun and clouds

A quick guide to stand numbers at Eurobike

It's easy to find an exhibitor located in one of the main **A** or **B** halls. But where are **E1**, **FG**, **FW** and **ZH**? **E1** is a temporary hall in the outdoor grounds between halls **A5** and **B3**. The open air grounds are divided into **FG (Freigelände = open ground area west)** and **FGO (Freigelände Ost = open ground area east)**. For example, if you are looking for Karbon Kinetics, you'll find the stand number **FG-O121** – which means they are located at **Freigelände East, stand number 121**. **FW** and **FO** stand for "**Foyer West**" and "**Foyer Ost**" (= **Foyer East**). **ZH** stands for "**Zeppelin Hall**" which houses mainly e-bike suppliers as well as an e-bike test track.

COVER: Messe FN



Thanks for reading the Eurobike Show Daily. Goodbye from the staff, and see you in Taipei!

... continued What's on today and tomorrow

- 14:45**
Room Berlin
Travel Talk: GPS & Navigation Systems
- 14:45**
Room Paris
Travel Talk: Flow as a Travel Motif in MTB Tourism
- 15:00**
Foyer East, Fashion Show stage
Excellence on Wheels, Taiwan Bike Show
Taiwan brands present nearly 40 bike-related products on stage.
- 15:00-15:45**
Eurobike Academy (Room Helsinki)
Protect your BEST
German-language talk on head injuries from Dieter Speiser of the State Office of Criminal Investigation in Baden-Württemberg.
- 15:00-16:00**
Holiday on Bike (Foyer West)
Jolanda Neff
The U23 MTB World Cup leader signs autographs at the Bodensee-Radmarathon stand.
- 15:00-16:00**
ExtraEnergy (Entrance East, ExtraEnergy Stage)
LEV Components Special Exhibition: LEV-Komponenten
German-language talk on Light Electric Vehicle components.
- 15:00-17:00**
Stereo Bike (A3-800)
Finland's Top Model and Greek National Star
- 16:00**
Foyer East
Eurobike Fashion Show
- 16:00**
Room Berlin
Travel Talk: VeRa
Bike Route Planner Germany: linked route planner and information services for cyclists
- 16:00-16:30**

- TSG International (B1-203)
Thomas Genon, Sam Pilgrim, Amir Kabbani, Peter Henke, Oszkar Nagy und Daryl Brown
The dirt and slope style stars sign autographs.
- 16:00-16:45**
Eurobike Academy (Room Helsinki)
Your Good Reputation Sells. Nothing else.
German-language talk by Jürgen Linsenmaier.
- 16:15**
Room Berlin
Travel Talk: Communication Interface in Pedelecs
Potential & advantages of the integration of GPS, smartphone, etc.
- 16:30**
Room Berlin
Travel Talk: Concluding round.
The day's experts take stock.
- 17:00**
Room Berlin
Travel Talk: Eurobike live.
Group discussion with experts of trends and new products in e-bikes, navigation, etc.
- 17:00-17:40**
Eurobike Academy (Room Helsinki)
Life, Lifestyle, Luxury – Bicycle
German-language trends talk by Frank Jeniche.
- 17:00-18:00**
ExtraEnergy (Entrance East, ExtraEnergy Stage)
LEV Components Special Exhibition: Iceland Challenge - By Pedelec Through Ice and Fire
Susanne Brüsich of Pedelec Adventures presents a spectacular journey that shows what is possible on electric bikes.
- 18:00**
Open Air Grounds West
Holland Slowbiking Contest
- Atrium, Foyer West
Five Ten Party
- Room Österreich

Trend Lounge presented by Eurobike & Fahrstil
Join bicycle adventurers including Tom Ritchey and Mike Hall.

Friday: Press Events**All Day**

Haibike (A4-200)
Press Survival Kit giveaway
Members of the media are invited to pick-up a free care package from Haibike, featuring products from across the Winora Group. First come,

first served!

08:30
Foyer West
Tirol Press Breakfast
Tirol Tourist Board
Meet with the Tirol Tourist Board about the introduction of the Tirol Mountain Bike Safari, a mountain bike route serviced by a network of 18 cable car systems.

Saturday: All Day Events**EUROBIKE PUBLIC DAY**

Foyer West
Holiday on Bike

Open Air Grounds West
Danny MacAskill's Drop and Roll Tour

Open Air Grounds West
Holland Slowbiking Contest

Open Air Grounds West
Paolo Patrizi
Trial Bike Show

Lake, Entrance West
Animal WD-40 Action Sports Tour
Featuring Ben Savage, James Jones and Blake Samson

Open Air Grounds West
Nutcase Unframed for World Bicycle Relief
Nutcase Unframed brings artistic helmet design alive to benefit World Bicycle Relief.

Neonon (ZH-304)
Mini Nini
Mini Nini presents the new Neonon Drevis dresses

Devinci (B3-206)
2013 World Cup Champion Steve Smith

Saturday: Scheduled Events

10:00-11:00
ExtraEnergy (Entrance East, ExtraEnergy Stage)
LEV Components Special Exhibition: Pedelec Drive Innovations
For product managers, a quick update on the must-know innovations, and an opportunity to meet the people behind the products and concepts.

10:00-16:00
Holiday on Bike (Foyer West)
Claudio Chiappucci
The popular Italian former pro, known as "El Diablo," promotes Lake Maggiore

11:00
Open Air Grounds West
TSG Nipper Race
Kids 2 to 5 years old take the start line.

11:00
Foyer East
Eurobike Fashion Show
The latest apparel trends in action.

11:00-12:00
Canyon Bicycles (B4-404)
Canyon Factory Enduro Team

11:00-12:00
ExtraEnergy (Entrance East, ExtraEnergy Stage)
LEV Components Special Exhibition: Energy Storage Innovations
Mo-Hua Yang and Thilo Hack of Ansmann
The experts in battery chemistry research and manufacturing summarize energy-storage developments for the next generation of cell technologies.

11:30-12:00
Merida & Centurion Germany (A3-302)
Markus Kauffman and Jochen Käss
2014 winners of the Bike Transalp race, for the second time in a row.

12:00
Ghost (B1-400)
Signatures
Ghost shows a mountain biking movie

12:00-13:00
SRM (A2-212)
Andreas Binbacher
The champion biathlete signs autographs.

12:00-13:00
POC (B3-403)
Thomas Dekker
Garmin-Sharp rider signs autographs.

12:00-13:00
ExtraEnergy (Entrance East, ExtraEnergy Stage)
LEV Components Special Exhibition: LEV Components
Speakers from Schaeffler Technologies, King Meter, Marquardt Mechatronik, Methode Electronics, Busch and Müller, Sempu Motor Co., and Tianjin Songzheng Electric Science & Technology Co. will outline several products now on the market.

13:00-14:00
GoPro (B2-400A)
Danny MacAskill autograph session

13:00-14:00
ExtraEnergy (Entrance East, ExtraEnergy Stage)
LEV Components Special Exhibition: Bike/Pedelec Sharing
How bike share programs with pedelecs, together with internet connectivity, might revolutionize private and public transportation.

14:00
Foyer East
Eurobike Fashion Show

14:00-14:30
iXS (B3-100/101)
Cedric Gracia, Richie Schley and Hans Rey autograph session.

14:30-15:30
Solestar (B2-108)
Anne Haug

14:30-16:30
Giant and Liv (B3-300)
Liv Happy Hour
Enjoy complimentary beverages and celebrate the launch of this new women's cycling brand.

15:00
Open Air Grounds West
TSG Nipper Race

15:00
Show Stage, Foyer East
Bike-Bergsteigen by Harald Philip

15:00-16:00
Bodensee-Radmarathon
Jolanda Neff
Autograph session with the Cup leader and the U23 world champion.

15:00-16:00
ExtraEnergy (Entrance East, ExtraEnergy Stage)
LEV Components Special Exhibition: Pedelec and Reisen
German-language talk on pedelecs and travel.

16:00
Foyer East
Eurobike Fashion Show

16:00-17:00
Canyon (B4-404)
Nils Frommhold and Anne Haug

16:00-17:00
ExtraEnergy (Entrance East, ExtraEnergy Stage)
LEV Components Special Exhibition: Pedelec-Kaufberatung

17:00-18:00
ExtraEnergy (Entrance East, ExtraEnergy Stage)
LEV Components Special Exhibition: Iceland Challenge - Per Pedelec durch Feuer und Eis
German-language presentation of the Iceland Challenge adventure.



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Vox Pop

Question: What was the most exciting thing at Eurobike?



Mike Horan,
Chief Engineer, Rechargeable Power Energy, Las Vegas, USA

We build battery systems in the US for e-bikes, so the Bosch mid-drive unit is one of the biggest things I've seen at the show. Also the new motor by BionX which looks fantastic and that e-bike charger that won a special Eurobike award. All three of these companies are due to join the US market.



Daniel Hoehn,
Fahrradwerkstatt Hohn, Herbolzheim, Germany

The LED wheel lighting system from MonkeyLectric is great. I also really liked some of the Cruiser bikes, they come in some cool colours and are equipped with nice components.



Vivian Xu,
VIP, Taichung, Taiwan

I was really impressed by the range of fat bikes, I like the big tires. These think they will be great to ride on uneven ground.



Ray Asante,
President, Inertia Racing Technology, Pasadena, USA

I've been to so many shows over the years and do this so often that nothing really excites me anymore. The thing that does excite me is that people are starting to manufacture in their home countries and are not outsourcing everything to Asia. I noticed that there were a lot more things being manufactured in Germany and this prompted me to fly over to Eurobike. We have 10 lines of wheels and we are bringing one of those lines to Germany to test out manufacturing here. The quality of production here in Germany is very high and it will suit the top end product that we want to produce.



Kristof Kuppens,
BA Outdoor, Menen, Belgium

The Thule ride-along mini is cool. Really well made and easy to attach and remove.



Maria Connaughton,
Business Development, Spin11, Dublin, Ireland

As a clothing manufacturer from Ireland, we are most interested in new technologies and fabrics. There are a lot of makers showing new fabrics, including reflective materials for the commuter market and flexible and aero fabrics for the competitive side. We are also looking at other parts like zips and pads. Each manufacturer is trying to come up with something new so there is a lot to see. Our final clothing designs take their inspiration from the individual items available.



Anthony Duvernay,
La Bicycletterie, Lyon, France

I run a run a café and bike shop in Lyon specializing in urban bikes. So I loved the Guv'nor by Pashley from England. It's the original urban bike.



Jose Maldonado,
Buyer, Bike Apparel, Competitive Cyclist, Utah, USA

We have a web-based retail business in the US. I look after the bike apparel side of things. I got this amazing brochure from Maloja clothing. It's actually a book with beautiful images. It caught my eye initially and their clothing range lives up to expectations. The design quality is really nice and I especially like that they have produced clothing for children in the same style and quality as the adult range. I also like the ION range of clothing - it's a nice brand that combines swimwear and outdoor clothing.

REINTEGRAD EUROBIKE A5-505



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3. Cartridge tube design with wellgo New 2 DU patent system, could provide the user for easy replaceable ability.



M279

BODY : Aluminum
SPINDLE : Boron
BEARING : 2DU
SIZE : 80* 82 * 38 mm

EUROBIKE BOOTH #B2-502



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The European Bike Fundamentals.



Ideal takes minority share in Ridley

Ridley comes into Eurobike with a new wind at its back. Belgian investment company LRM and the Ideal Bike Corp., Taiwan's third-largest bike producer, became minority investors in the premium Belgian brand.



Jochim Aerts (Photo: JB)

"For us, Ideal is a great partner," CEO Jochim Aerts said yesterday. "All of our bikes for the markets outside of Europe are already assembled by Ideal. But where we see a major benefit is from supply chain and purchase, not to mention distribution. The plan is to distribute Ridley in Asia through the existing Ideal network."

Ridley is owned by Race Productions NV. The company has been seeking

investors since the Kemper family, which had owned a 50 percent share of the company since 2004, pulled out earlier this year.

Aerts said he sought new partners who "shared the cycling passion with us."

He said Ideal now owns 25 percent of Race Productions and LRM 5 percent, while he maintains control of the company with a 70 percent share.

The investment should help Ridley broaden its product range and boost its global distribution.

"This is one of the major goals of this recapitalization. We will increase our product range one day to mountain bikes," Aerts said. The Ridley brand currently offers about 10 carbon and five aluminum road and cyclocross bikes.

No recreational products are on Ridley's radar, however. "Ridley will always be a sportive competition brand," said Rik Vanhoof, commercial project coordinator.

With the investment from Ideal, Ridley becomes a cousin of Advanced Sports International, the U.S. company that owns the Fuji and Breezer brands, among others. Ideal is also a minority owner of ASI.

But Aerts said there are no plans at present to form a closer partnership with ASI.

"This wasn't on the table now. It's too early to give any details," Aerts said. "Nevertheless we have to see what collaborations might fit. The fact is, at the present time Ridley sells direct to the U.S.A."

Aerts founded Race Productions in 1990 by building and painting custom frames for local brands. He later launched the Ridley brand, which is now the market leader in Belgium. Ridley is based in Paal-Beringen, Belgium. ■ JB



Goal Zero energizes folding solar panels

A first-time exhibitor is trying to generate some buzz for its power-generating solar products.

Goal Zero is showing easy-to-use, portable solar panels for owners of conventional and electric bikes.

"We are eyeing e-bikers and travel bikers, because we can charge or power almost any USB product from the sun," said Philipp Tenuis, European marketing manager for the U.S. company.

"With our solar generator kit, the Yeti 400, you can easily charge your e-bike. And if you have the right number of solar panels, you can charge the Yeti after a day of sunshine," he added. "Keep the panel with the Yeti at your campsite while riding and charge your bike when you get back."

Goal Zero also has different sizes of a folding solar recharging kits. Each kit consists of a portable solar panel and battery pack. ■ JB



Philipp Tenuis (Photo: JB)



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TS827 650B-BIKE

- Frame: Trigon Venus C8 advanced composite carbon monocoque frame
- Size: C-T 15", 17" and 19"
- Fork: ROCKSHOX SID RL
- Shock: ROCKSHOX MONARCH RT3
- Group set: Shimano XT
- Brakes: Shimano XT
- Parts: TRIGON CARBON
- Wheels: Mavic CROSSRIDE 27.5 INTL 142mm
Option: Shimano MT35



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Men in kilts showcase six bonny bike brands

Italy has a huge one. Taiwan has had one since year zero. Japan has had one since 2003. Now, Scotland has one too — a pavilion at Eurobike. Or, at least, a booth.

“We’re starting small but we aim to get bigger,” Gordon Todd, a senior executive with Scottish Enterprise, said yesterday. Scottish Enterprise is an agency of the Scottish Government.

Scotland isn’t just a world-class mountain biking destination, it’s also an incubator of bike brands. Six of them, all Eurobike debutants, are represented at the stand.

“We walked the show last year and were determined to get a space,” said Graeme McLean, MTB project manager for Scottish Cycling, the governing body for cycle sport in Scotland. “Endura [the Scottish apparel company] is a great role model for us. Our stand is a platform for smaller brands, but brands which want to grow like Endura. We want to showcase Scotland’s bicycle businesses.”

The stand – topped with a saltire,

the blue-and-white Scottish flag – was bathed in sunshine yesterday at Eurobike.

Dotted around the tent-shaped stand are representatives from Free Flow Technologies, an electric bike brand, and Launch Components, a gravity MTB brand. Among other trick parts, Launch sells a €270 (\$488) 300g magnesium pedal.

Fashion designer Alex Feechan is seeking distributors for Freedom Foxx, her new women’s cycle clothing collection.

Tom Durham has developed a modular range of pumptrack parts and is seeking manufacturing partners for his start-up business, Collective Training.

Russell Stout is here representing custom bike builder Shand Cycles. Scottoiler is a long-established

motorcycle supplies brand with a bicycles division that makes Ultimate Bike Solution, a new water-based bike lubricant and maintenance spray.

Drop in a business card for a chance to win – what else? – a bottle of single malt Scotch whisky. Naturally, the “Scottish pavilion” also has information on road and mountain biking riding in Scotland.

McLean is based at the Glentress mountain bike center, Scotland’s oldest dedicated mountain biking park, which was opened by a private developer in the late 1980s.

“Scotland has a lot going for it,” McLean said. “But don’t blame us for the rain at the start of the show.” ■ CR



Gordon Todd and Graeme McLean

Suspend disbelief with Canyon's road bike conception

Older readers may remember a few attempts in the 1980s to bring nascent mountain-bike suspension technology into road biking, but RockShox at Roubaix didn't last.

With the MRSC Connected concept bike, launched at Eurobike, Canyon is resurrecting the idea. It's road bike suspension, Jim, but not as we know it.

“Our focus is always to make the bike faster, and your body has to do less work if you have a comfortable bike frame. Bumps from the road make the system slower, so it is really about building a

faster bike,” said Sebastian Wegerle, Canyon's lead engineer.

Canyon says muscle fatigue caused by bumps and vibration are an overlooked contributor to performance loss. To eliminate this, it placed carbon leaf springs at the front axle and seat stays.

An on-board CPU, from Deutsche Telekom, processes sensor data and relays

it to “magneto-rheological” fluid bearings. An electric current polarizes metal particles to change the level shock absorption.

The prototype is not slated for production, but Canyon has a good track record of demo-ing ideas that later become common currency – hydraulic road discs and integrated brakes being cases in point. ■ ML



Canyon MRSC Connected concept bike

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β beta



PW Beta Line with Polartec® Wind Pro®, the next generation windproof thermal line featuring jacket, vest, bibtight, hat, gloves and shoe cover.

+

γ gamma



PW Gamma Pack Jacket in WD Platinum Pack Light fabric, the packable jacket with maximum protection from water/wind and minimum bulk.

=

δ delta kit



β beta
+ γ gamma

= δ delta kit

Faraday, a stylish e-bike startup, looks to Europe

The biggest attraction at the Gates Carbon Drive booth is the Faraday Porteur, an e-bike that is getting attention because it doesn't look like an e-bike.



Adam Vollmer with the Faraday Porteur

Although it has just launched in its home market of the United States, Faraday's owners are already looking to expand.

"There's a huge market in Europe," said Steve Domahidy, a founder of Niner Bikes who is a part-owner of Faraday. "We get emails every single day. There's a lot of interest. We're over here trying to start the conversation on how to support the infrastructure to sell over here."

Domahidy said Germany and the UK, along with Amsterdam and Copenhagen, are priorities. Faraday intends to sell through IBDs, but wants to ensure it has a customer service structure in place first.

The Faraday Porteur has a custom lithium battery that fits inconspicuously in the downtube, and a 250-watt motor integrated into the front hub. On first sight, your eyes make a beeline to

the bike's clean lines and color-coordinated accessories, instead of a bulky battery.

That's on purpose. Adam Vollmer, the Porteur's creator, proposed the bike as an entry to the Oregon Manifest design project in 2011. He was working for IDEO, the famous international design firm.

Vollmer and his team ended up winning the People's Choice Award. He soon left his steady job to see if he could commercialize the Porteur, even though he knew little about the e-bike industry.

Through a successful Kickstarter campaign, Faraday pre-sold 50 bikes at \$3,500 (€2,650) each. He sold another 100 after the campaign ended. Those bikes have been delivered, and the company is now preparing for production in Asia.

The Porteur can travel up to 32 kilometers (20 miles) on one charge. A Gates Carbon Drive belt turns a Shimano Alfine 8 internal-gear hub. Other features include bamboo fenders, a Brooks B17 saddle, removable front rack, disc brakes and integrated lights.

At 18kg (37 lbs), the bike is light enough for riders to pedal the bike without power, heft up stairs or load onto a bus or train.

"A lot of people are using it as an alternative to a Vespa," Domahidy said. "It's a pretty wide demographic. A lot of people buy it for the design and it's a bonus that it's an e-bike." ■ NF



Ride Onn with polo-inspired helmets from Argentina

Argentina has long been famous for polo players and other equestrians. If Onn has anything to do with it, the country soon will be famous for bike helmets.

Onn is a two-year-old Buenos Aires company that makes eye-catching, equestrian-inspired helmets for the urban market.

"The technology comes less from cycling but from motorcycles," said Miguel Cadeiras, one of the founders. "The outer shell is fiberglass. We were scratching our heads how to make it thinner."

The lids are very light, while meeting all the relevant safety standards. Under the fiberglass there are layers of EPS foam, breathable fabric and washable padding. They are entirely handmade in Argentina. Onn employs eight in addition to its three founders.

Style-wise, the fabric-covered head protectors take much of their inspiration from horse riding — and that's not just the shape.

"You see in horse riding how everyone is really well dressed. Everything that they have should look perfect," Cadeiras said. "We think it's a good thing; we're trying to merge these two worlds."

Onn offers 19 styles in all.

For men, this year's hot design is a tweed-inspired pattern, while last year's was corduroy. For women, a curvy, red polka-dot number has supplanted last year's animal-print look.

And there's a

Russian Cossack-inspired fur hat for women of a certain age.

"We have a big market among older people, because they don't want to wear a race helmet in town or going to the supermarket," Cadeiras said.

Garcia Resta, another founder, said, "Now, with electric bikes, cycling among older people will continue to increase. Our helmets work very well with it."

The Onn founders are envious of Europe's stylish bike culture and the prevalence of cycling for urban transport and convenience. They said cycling is growing in Buenos Aires and across Argentina.

The brand is strong across Benelux, Portugal and Spain, but is looking to expand distribution in the UK, France, Germany and Poland. ■ ML



Garcia Resta

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2015 Apparel: Commuting/urban wear

Commuters won't buy fashion unless it's accompanied by a lot of function

Cyclists everywhere have long understood the point of a good rain jacket, a lightweight top or padded shorts for their daily treks to and from the workplace. Only recently has the concept of "fashion" entered into the discussion about apparel that, above all, has to be serviceable.



Shimano Explorer Stretchlite Rain Jacket

Nevertheless, commuting wear that is not purely utilitarian but sits at the hard edge of fashion can be a hard sell. How do companies convince riders that a nicely tailored jacket or a pair of bike-specific jeans are worth a premium to pieces that simply get the job done? Many brands say their clothing works "as well in a café as it does on the bike," but it remains a tough ask. Here are some apparel brands that manage to deliver a fashionable edge in this most functional of categories.



Endura FlipJak

Function junction.

Endura, from Scotland, knows something about clothing that performs in cold, damp and generally grizzly conditions. Yet for years the company somehow under-marketed its expertise.

Its new Urban collection, which offers "office-compatible chic," might change that. The Urban FlipJak Reversible jacket is, the company says, something of a Jekyll and Hyde: Worn one way, the lightweight and insulating jacket has

ENDURA STAND
B5-504

an in-your-face, hi-vis colorway; turn it inside out and it's an office-friendly discreet black. It features a lightweight, windproof and showerproof shell, Primaloft insulation and has zipped handwarmer and chest pockets.

The trendy Japanese brand **Pedaled** joined forces a few years ago with Brooks, the traditional UK accessories and saddle brand. That's made this niche, high-end brand a lot easier to find in Western retailers. Pedaled's new Saddle Packable Jacket is made in Italy from a Nanosphere-coated cotton/nylon mix that resists rain and dirt. Made for spring and fall, the Saddle Packable Jacket is sharply tailored and comes with a carrying sleeve.

Giro's Insulated Shirt is a 100 percent DWR-coated reversible shell with 25g Primaloft insulation within, and a full zipper and button closure without — all designed to look like an overshirt.

"The Men's Insulated Shirt was something Giro designers collectively wanted, but couldn't find anywhere," the company says. "It's a versatile staple that keeps you warm and dry, yet packs down easily for storage."

The Frisco Coat, which is available in both men and women's cuts, takes its cues from military ingenuity. It uses a waterproof dense-weave cotton fabric originally developed to keep a fighter pilot alive in case of an emergency landing at sea. Both styles feature an adjustable reflective hood.

For women there's the Insulated three-quarter legging for spring and fall riding with a Cytech chamois pad; and

PEDALED STAND
A5-301

GIRO STAND
B2-400F

the Mobility Cuff Pant, a free-moving garment made from stretch fabric with an elastic cuff.

This is the first year British company **Dare2B** has had an urban range on the market. For 2015, it's expanding the collection to include jeans, jean shorts and shirts, all with technical, functional details including reflectivity and odor-control fabric.

Styling and color combine, the company said, to enable the "fashion conscious to cycle to work safely, work through their day and be ready for any last minute socializing without compromising on style or ability".

For commuters who practice Casual Friday every day, the German brand **Maloja** has expanded its range of casual cycling wear, with new men's and women's hoodies and T-shirts in its signature bright pastel colors.

And — here's an interesting angle — **Ziener** says its new bike shorts are ideal for lifestyle cyclists ... and for e-bikers. Who knew that e-bike riders require specific gear? Given the strength of the German e-bike market, it might take a German company to figure out what e-bike riders need. The loose-fitting shorts have an inner lining with one of the company's own pads, which can be removed to create "sporty leisure trousers."

Totally coconuts. Given the bicycle's deserved reputation as environmentally friendly town transport, it's not surprising that many companies are boosting the green credentials of their togs.

DannyShane, a first-time Eurobike exhibitor from

DARE2B STAND
B5-606

MALOJA STAND
FG-WB133

ZIENER STAND
B5-501

DANNYSHANE STAND
B2-208



Ziener

Houston, Texas, specializes in bikewear made from bamboo white ash — an ultra-soft, breathable, thermo-regulating "natural performance fiber." Its Metropolitan Polo is made from recycled polyester blended with up to 55 percent bamboo white ash. It sports a three-button collar and breast pocket and is cut slightly looser than performance jerseys, to allow cyclists to transition seamlessly from commute to office.

Fanfiluca also incorporates natural fibers in its commuter wear. Instead of bamboo, Fanfiluca's commuter shirt uses Cocona, a Polartec product made from activated carbon derived from leftover coconut shells. (Apparently, there are a lot of coconut shells left over by the food, medical and filtration industries.) According to Polartec, the activated carbon creates a moisture-wicking effect, aiding cooling and speeding up drying times.

The most significant "greening" is taking place in waterproofing treatments.

FANFILUCA STAND
FG-WB116



Maloja



Dare2B

Many manufacturers are moving to PFC-free materials and treatments.

PFCs, or perfluorinated compounds, enhance a material's water and oil repellency and durability without causing it to lose breathability. However, its use comes with significant environmental and health concerns.

For its Officer commuter pant, Fanfiluca uses a Swiss-made fabric that is impregnated with a fluorine-free compound for a more ecological water repellent finish.

Gonso is also moving away from PFCs, switching to a polyurethane treatment for its Uwe and Temo all-weather jackets for men, and the corresponding Ulla and Agave versions for women.



Endura Flipjak

Come rain or shine. Rainwear is a big deal for dedicated bicycle commuters, so it's well represented among the apparel brands at Eurobike.

Vaude is showcasing its latest Bike Rain Sympapro jacket.

Sympatex is a 100 percent recyclable, PTFE-free membrane that makes up the mid layer of the jacket's three-layer fabric. The jacket also protects against wind while retaining breathability.

The Sympapro also has taped seams and waterproof zips, a fold-out collar, long back and reflective elements, all to keep riders safe and snug in the darkest,



Fanfiluca Officer Pant

wettest downpour. The back pocket holds a few essentials and doubles as a pack sack when needed.

Shimano's

Explorer Stretchlite Rain Jacket is light, compact and stretchable, and boasts a cycling cut. Smart details including a Napoleon pocket, cuff adjusters and a drawstring spindle adjuster on the hem. It's also packable and comes in an eye-catching green and blue colorway.



Finally, because keeping your fingers and toes dry is sometimes 90 percent of the battle, the Sealskinz All Weather Cycle Glove is totally waterproof, anti-slip and has a touchscreen-friendly material on the index finger so you can Instagram your commute and keep your digit dry.

It's slightly more bulky than the brand's Dragon Eye glove, but still slim enough not to impede dexterity. The company also makes waterproof socks, and its classically styled 3-panel Waterproof Cycling Cap will keep the rain out of your eyes and a smile on your face. Until you reach the office, at least. ■ **ML**



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Despite selling direct, Poison brings refocused line to show

Poison Bikes is making its debut at Eurobike, but the man behind the brand has been an exhibitor almost since the show began.



Poison general manager Hans Werner Theisen (far left, in glasses) and the Poison Bikes team are showing at Eurobike for the first time.

Hans Werner Theisen headed the Chaka brand, which sold to IBDs. Now, Poison is focused on selling directly to consumers.



"We stopped exhibiting five or six years ago because in those days, and different from Chaka, the focus of our young and successful second brand, Poison Bikes, has been on direct sales through the Internet," Theisen said.

As Poison had more success with its direct sales model, Chaka moved more and more into making custom bikes. In 2012, however, Chaka's parent company — Bike Trading GmbH — filed for bankruptcy.

Theisen and his team founded Poison and took over all of Chaka's assets.

"Since then we have concentrated on Poison, but now with a completely new approach that we are presenting here at Eurobike," Theisen said.

He said the Poison brand, which had been a sportive bike brand, is refocusing on touring bikes.

"This is the field that we, as a small supplier, see as our niche and our main area of competence," Theisen said. "That's the category we want to focus on and grow."

Poison's top long-distance touring bike is the Atropine 28 Randonneur Rohloff Gates 2015.

It's an aluminum-framed, robust beauty that pairs a Rohloff hub with a Gates Carbon Drive belt. Customers can choose between 26-, 28- and 29-inch wheels among several other choices.

Because of the decision to reposition the brand, Theisen said it made sense for Poison to show itself at Eurobike for the first time.

"We have some interesting products to show. To introduce them to the international market we have to show a real presence," he said.

"This is what we are doing at Eurobike, not only on the trade days but also on the consumer day," Theisen added.

Apart from complete bikes, Poison also offers frame kits as well as some sub-assembly services.

"Some customers out there want parts mounted on the new bike they have already bought. We can build up their new bike with the parts they bring in," he said.

While Poison is a premium brand that is sold mainly through its website, www.poison-bikes.de, a few IBDs continue to offer the brand.

But Theisen said Poison would remain focused on direct sales. He said 80 percent of sales currently come from within Germany and the rest from neighboring countries.

Theisen hopes Eurobike will help increase Poison's presence outside of Germany. ■ JB



Poison Atropine 28

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Slide2Go seeks OEMs for its new Easy Click mount

For years, industry vet Louis Mühlberger puzzled over how to create a system for mounting bags or baskets to a bicycle that would have “no comparison,” as he puts it.



Lorna Chen with a waterproof Slide2Go bag. (Photo:JB)

He thinks he accomplished it with the latest Easy Click system for his Slide2Go, which is on display at Eurobike.

“Slide2Go is the only integrated mounting system. It is integrated into the stem or rack of the bicycle, which means it is the perfect match for the OEM bicycle market,” Mühlberger said.

As the name implies, the Easy Click system works with a “click.”

“The basket or the bag is inserted with the holder into the Slide2Go housing and locks automatically with a click,” said Lorna Chen, sales manager for Konnix, which manufactures the system.

Chen and Mühlberger are seeking OEM customers.

“Customers can buy the system, including Easy Click as a stand-alone product, or buy the entire package from Konnix, which comes with

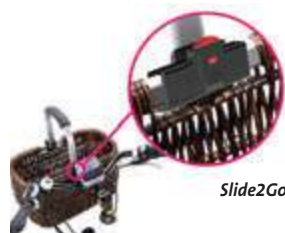
bags and baskets,” Mühlberger said. “They can even select their own bag and basket collection from the Konnix collection. From waterproof bags to natural wicker baskets, we have all of them at our here at our booth.”

This year, Slide2Go is offering a stem cap solution for electric bicycles.

“It works especially with the Bosch and Shimano e-bike stems,” he said. “Simply replace the stem cap and you have a mounting system for all Slide2Go bags and baskets.”

He said the Slide2Go mount attaches without interfering with the on-board cycling computers.

Mühlberger is in charge of research, development and testing from his office in Cologne, Germany. Financial support for the Slide2Go comes from Konnix Industry of Taiwan, which oversees production of the system in Taiwan. ■ JB



Slide2Go Easy Click

STAND
B5-605

Lock8 inventors say ‘smart lock’ makes rentals easier

Two former Oxford students have launched the Lock8, a “smart” bike lock, just in time for Eurobike.



Lock8 smartphone app

Pronounced like “locate,” the Lock8 system is designed for bicycle rental fleets or bike share bikes. Within the lock are GPS and Bluetooth modules. Cyclists can use a smartphone to find a bike equipped with a Lock8, unlock it, and pay for it.

The founders of Lock8, Franz Salzmänn and Daniel Zajarias-Fainsod, are offering products for sale at their booth.

“We will sell our first 1,000 devices at Eurobike, exclusively to business customers who want to test the system for the 2015 cycling season,” they said.

Salzmänn, who is CEO of the young company, said the company has received pre-orders from customers in more than 30 countries.

“It has enormous potential and is

the foundation of a worldwide bike rental network,” Salzmänn said. He said the Lock8 is compatible with 90 percent of all bicycles, making it ideal for bike rental services.

Zajarias-Fainsod said the Lock8 could reshape the global bicycle rental and bike share experience.

“If a person needs a rental bike, they will find Lock8-equipped rental bikes in their proximity using the smartphone app,” he said. “Once booked, the bike can be unlocked using the app, and off you go!”

Salzmänn added, “This makes bike renting simpler and more flexible than ever before.”

The founders, both 28 years old, recently moved their company, Velolock, to Berlin. ■ JB



The Lock8 on a bike

STAND
A3-805

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Innova unleashes its Monsters on the mountain bike market

Many Taiwanese tire producers have made their way into bicycle tires from the car and motorcycle market, but Innova Rubber went the other way around.

Apart from tires for motorcycles and ATVs, bicycle tires are Innova's biggest product group. The range it is showing at Eurobike is a special one because Innova is celebrating its 20th anniversary in the bicycle market.

Its latest innovation is a mountain bike downhill tire range that uses different types of patented plastic studs. Innova also created a new brand, Cyclours, that sells bags and wallets made from recycled inner tubes.

The company recently created a new private label, Innova Pro, for its top-of-the-line aftermarket products.

"With Innova Pro we target the high-end market,"

said Michael Chen, Innova's sales and marketing manager. The

Innova Pro downhill range, Downhill Monster, walked off with a d&i award at the Taipei Cycle Show earlier this year.

Driving Innova's innovation is its founder and president, Tony Hsieh.

When his R&D team first set out



Michael Chen (left) and Grace Tsao with Monster tires and Cyclours bags (Photo: JB)

to craft a tire that would hold its grip in snow and wet conditions, they tried spikes made of steel, and later aluminum.

"First we put in these spikes by hand, but then we invented a simple machine that now automatically stamps into the tire," Chen said.

Even while the team worked to perfect the metal studs, Hsieh was brainstorming another solution.

He found it by creating a variety of spikes, or studs, made from different blends of plastic.

These patented plastic studs are not only lighter than steel or aluminum but can be made in different variations that are tuned to different types of surfaces.

"While our classic Monster tire rolls into the market without studs, the Little Monster relies on softer studs and the Big Monster on harder engineered plastic studs," Chen said.

Innova's Monster Tire provides a balance of softness and strength, while shoulder blocks give it good grip, especially on dry ground.

With its softer plastic studs—colored red—the Little Monster tires are intended for semi-wet and dry ground.

The Big Monster, meanwhile, featuring yellow, harder studs, is made for wet, muddy ground and snow.

Chen said mountain bikers can experiment with combining different Monster tires.

"Racers can consider having a mix of Monster and studded Monster tires for the front and rear wheels to handle different levels of wet and dry ground, and find the perfect match for grip and speed," he said.

Meanwhile, Innova's Grace Tsao is promoting the company's Cyclours brand at Eurobike.

"This brand concentrates on bags and wallets made out of recycled and rejected tires and tubes," Tsao said. "For dealers, we also offer a nice display to go with our new Cyclours products. It helps when they put these products in the spotlight." ■ JB



Michael Chen with Innova's Big Monster (left) and Little Monster tires.

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The biggest troublemakers in the industry: low step-through pedelecs

They're unisex, convenient, and they let just about anybody become a cyclist no matter how athletic. They are pedelecs with low step-through frames, and they have become the top sellers on the e-bike market.

Even without knowing exact sales figures, it's easy to see that this style is the No. 1 pedelec on the roads of Germany.

A central tube that curves very low to the ground for an easy step-through makes these bicycles available to broad target groups. That's a welcome development, because it enables people who are overweight or have a disability to start cycling. That's healthy for them and gives them more mobility.

Young mothers can reach the saddle easily and comfortably. When riding with a mounted child seat, they don't have to risk the shaky business of throwing a leg over the top tube, as is the case with conventional frames.

In short, low step-through pedelecs have a lot going for them.

Pedelec physics. Unfortunately, they have a lot going against them, too. No other frame design has seen more recalls than low step-through frames — with or without electric motors. Most of these are made of supposedly reliable aluminum.

There have been many cases of frames breaking, resulting in falls that have sometimes severe consequences.

Products recalled by reputable companies are only the tip of the iceberg. As bicycle experts, we know of many other problematic frames whose problems are being ignored.

Why are these rider-friendly frames at

such high risk of breakage, especially when used as a pedelec?

According to research and from personal experience, riding a pedelec increases a cyclist's average speed by about 5 kmh (3 mph). That doesn't sound like much, does it?

However, this means a typical 250-watt pedelec is constantly traveling with 75 percent more kinetic energy than a conventional bicycle. Impacts and bumps therefore affect pedelecs more severely than regular city bikes.

Other factors contribute to the problem:

- Pedelec riders tackle terrain that is more challenging than they are used to. In other words, pedelecs let cyclists climb mountains that were previously insurmountable to them. The problem isn't going uphill; it's that they eventually have to come back down as well.
- Pedelec users do not sit athletically in the saddle, but crash into every bump and rumble over every curb.
- Pedelecs are heavier and therefore under more strain. The electric assist encourages cyclists to carry heavier loads.
- Low step-through frames are not redundant. In other words, if one tube fails, there isn't another tube to hold the bicycle together. The rider falls head first onto the road.
- Pedelec users ride more often, according to research by several



Testing equipment at the Zedler Institute

manufacturers.

Taken together, this demonstrates that the potential for damaging a pedelec is significantly higher than for a conventional city or trekking bike.

The e-bike components add to the problem. With the weight of a motor and a rechargeable battery, typical pedelecs with low step-through frames mutate into genuine wobblers.

Inexperienced, less athletic cyclists — the typical clientele for these kinds of bikes — fall more because they often cannot cope with the pedelec's handling.

A wobbly pedelec doesn't necessarily unseat its rider like a balky horse. Instead, riders alarmed at their bike's shaking may brake too hard in panic, or ride the brake as they creep down a hill. That can cause the brake to fail, leaving the pedelec totally out of control, and there we go!

Stepping up to the challenge. The good news: It is entirely possible to design stable and durable pedelecs with low step-through frames. To do so, the designer, product manager and testing institute have to treat the pedelec as something other than a conventional trekking or city bike that just happens to have a motor attached.

It does take some effort, but with the help of CAD systems and testing laboratories, safe pedelecs with low step-through frames are possible.

There isn't a simple recipe, such as adding an additional gusset or a welded-in cross tube. It requires the sum of many improvements, such as an adapted frame geometry, optimized tube dimensions, sophisticated welding procedures with thermal finishing treatments, a solid mounting of the bicycle rack, and functional cable routing.

It is possible to improve the riding characteristics of these kinds of pedelecs so customers can feel safe without

shimmying. The safer these riders are, the fewer accidents they will have.

In addition, the durability of a low step-through pedelec can become comparable to that of a mountain bike that is made to endure hard use.

Only then will these kinds of pedelecs be able to cope with the increased strain of a heavy motor, heavy loads and heavy cyclists on a permanent basis.

■ Dirk Zedler

The Zedler Institute

Since 1993, graduate engineer Dirk Zedler has been an analyst and expert witness for courts, insurance companies, corporations and individuals concerning bicycle accidents and material failures. Since 1994 he has been a sworn expert on bicycles, and since 2014 on electric bikes. His team publishes about 800 experts' reports every year.



Dirk Zedler

Zedler – Institut für Fahrradtechnik und- Sicherheit makes testing equipment for bicycles. Manufacturers can buy the equipment or use it in the Zedler Institute's laboratory.

The Zedler Institute has compiled the findings from thousands of experts' reports and court proceedings to develop comprehensive user manuals. The manuals help consumers use bicycles and pedelecs appropriately, and help release manufacturers from liability. For more information, visit www.zedler.de.



A broken frame on a step-through pedelec

HALL B4 STAND 405

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Super B is super busy designing new tools

With more than 200 products on the market, Taiwan toolmaker Super B never stops innovating.

For 2015, Super B is highlighting two new products: a travel toolkit for bike mechanics and an adaptable wall-mounted holder for bikes and gear.

The toolkit case is made of aluminum and plastic, "so it's light and easy to move like a trolley. It comes with a practical assortment of professional bike tools in three drawers," said Marcus Lee, manager of Super B's marketing and sales department. "It is in our eyes the best tool case for traveling."

The bike holder won a d&i award at this year's Taipei Cycle Show. With its special structure and center of gravity design "it needs just one step to fold and saves more space," Super B's Eric Chen said. Hangers and elastic bungee cords safely accommodate all kinds of gear. "The universal hangers are for gloves, jersey and other cycling items. With this flexible bike holder in your apartment you have all of your bicycle gear on hand," Chen said.

A shock-absorbing material protects the bike and wall from scratches.

The new products are

among many that have sprung out of Super B's in-house research and development team. From initial designs to tooling to production, everything is done at the company's headquarters in Changhua, Taiwan.

Sales manager Tina Hsu said 80 percent of production is for the Super B brand and the rest is for its OEM business.

Officially known as Super B Precision Tools Co., Ltd., the company was founded in 1990 and specializes in bicycle tools and repair equipment. ■ JB

STAND
A7-413



From left: Super B's Eric Chen, Tina Hsu and Marcus Lee with the bike holder, travel toolkit and other 2015 products. (Photo: JB)

JD gets back to basics with 'parts innovation offensive'

Just when the industry thought JD Components and its TranzX brand was only an e-bike supplier, the company has launched what it calls a "parts innovation offensive."



Lily Ding (Photo:JB)

JD says it plans to seek a first-row seat in the broader parts and accessories category, not just e-bikes.

The company's Lily Ding said JD let its existing bicycle parts range fall by the wayside as it pushed its TranzX line of e-bike motors and components.

"That's what we want to change with a range of innovative parts we are introducing at Eurobike," said Ding, who is vice general manager of JD and responsible for sales and marketing.

"It took a while before we were ready. But if you want to stay in the first row and increase market share, you have to present some innovative

products."

The TranzX parts range, on display at its booth, includes a new line of dropper seat posts with remote controls for mountain bikes.

TranzX is also launching a new antishock stem and seatpost for road bikes.

Its new Quick Park Stem, the company says, lets bike riders quickly rotate their handlebars by 90 degrees for convenient storage.

JD is pushing its TranzX products for the aftermarket but is also seeking OEM customers.

"All of these new parts are ideal for OEM customers," Ding said.

More high-end parts are in the pipeline, she added. JD plans to create products for "excellent ergonomics and comfortable rides."

JD's recent focus on e-bike systems helped it create an international awareness for its TranzX brand, Ding said. The company hopes to build on that with its new line of accessories. ■ JB

STAND
A6-204

Q&A: Dutch retailers Show diehards say Eurobike lets them jump on trends

Eurobike mainly attracts retailers from the German-speaking market, but many Dutch IBDs make the trip to Friedrichshafen to see the trends with their own eyes.



Rob van der Wal

This trio — Hans and Rik de Bruin and Rob van der Wal — are die hard Eurobike regulars. On the eve of this year's Eurobike, the *Show Daily's* Arnould Hackmann asked them why they keep coming to Friedrichshafen, and what they look for.

Father Hans and son Rik de Bruin own Gek van Fietsen ("Crazy About Bicycles") in Alphen a/d Rijn, in the western part of the Netherlands. From their 500-square-meter (5,380-square-foot) shop they sell brands including Flyer, Koga, Gazelle, Giant and Van Nicholas.

Rob van der Wal owns De Pedaleur ("The Pedalizer") in Doetinchem, close to the German border in the east. Van der Wal focuses on sportive and e-bikes. From a spacious 1,900-square-meter (20,450-square-foot) location, van der Wal sells brands including Batavus, Cannondale, BMC, Specialized and Koga.

ESD: Why do you think, as Dutch bike shop owners, it is important to visit Eurobike?

Rob van der Wal: I want to be updated on what is happening in our industry. I also like to be informed about the brands we don't sell in our store. After Eurobike we determine which brands we will add to our collection for the upcoming season.

Hans and Rik de Bruin: At Eurobike you get the first overview of new trends

in cycling, including sporty e-bikes, accessories and spare parts. We also get a broader perspective on the international market, because you can see much more than what's happening at the time on a national level. We believe that you can get there, for your own company, a good vision of the near future and probably have an advantage over your competitors.

ESD: Do you come to Eurobike by yourselves or with colleagues?

Van der Wal: Usually with a colleague; it's very cozy, but also useful. During our visit and during the trip we always have very valuable discussions.

De Bruins: We visit Eurobike preferably together. You're both focused on different things and you can also see a lot more together. In addition, you can discuss new products with each other and talk about what you see there. By going together you can pick up more from your visit to the fair.

ESD: Where are you going to look for specifically this year?

Van der Wal: Developments of disc brakes on racing bikes and developments in clothing appeal to me. Beside that we are very interested in dynamic measurement systems. It is understandable, but I do regret that a number of reputable bike brands will not be present at Eurobike.

De Bruins: We see that the market is changing rapidly and it is important to respond early to new trends. For us, it is therefore very important to be aware from the beginning, so that we can play in these trends properly. We also expect a lot of news about e-bikes, certainly from the major players in the bicycle industry but also from the electronics business. We really hope to encounter new products that complement our store and our customers and that we can promote and sell exclusively in our region. ■ AH



Hans and Rik de Bruin

THE SMARTS IN CYCLING
CATEYE

MIRROR MODE
MOUNT ON BIKE - POINT/FLEX TO VIEW & OPERATE

HEART RATE: 109
SPEED: 26.5
CADENCE: 90
POWER: 218

PLACE IN POCKET - KEEP YOUR PHONE SAFE AND DISCONNECT THE BATTERY

SENSOR DIRECT MODE
SPEED CADENCE POWER

Bluetooth SMART
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YOU RIDE
We'll Handle THE REST

Connect. Ride. Share. Featuring a Mirror Mode, the Strada Smart displays ride data tracked on your phone and alerts you to calls and emails. Our Sensor Direct Mode also pulls data wirelessly from the Bluetooth® Smart speed, cadence, heart rate or power sensors, even when your phone is not available. Sync to training and social cycling websites post ride via Cateye Cycling App; all data sends quickly while you recover. Enjoy your ride. We got this.

BOOTH NO. A1-201

STRADA SMART
RIDE WITH YOUR SMARTEST FRIEND

fig. XXVIII STRADA SMART

2015 Tires: E-bike and everyday tires

Tires for regular cyclists get the job done without all the hype

When tire makers announce their latest pavement-gripping, dirt-ripping innovations, they're usually talking about tires that are intended for racers, or those who wish they were.

But for everyday commuters, city riders, e-bike owners and other "regular" cyclists, there are also plenty of interesting new tires to see here at Eurobike — even if they don't arrive accompanied by the same intensity of breathless marketing. Some models will even spiff up the look of a vintage bicycle.

Heavy duty. E-bikes are an important and fast-growing category in the bicycle industry. In some markets, e-bike sales have kept retailers afloat in a soft economy.

But e-bikes present certain challenges to tire makers. Not only are e-bikes substantially heavier than conventional bikes, but they travel at higher average speeds and cover longer distances.

This is even more true with so-called speed pedelecs, which boast motors that can crank out 500 watts instead of the 250 watts on a typical pedelec, and reach a top speed of 45 kmh (28 mph) instead of 25 kph (15.5 mph).

These increased demands required

the industry to establish a new norm. It's called the ECE-R 75 standard, and it covers e-bikes that reach speeds of up to 50 kmh (31 mph). Of course, a tire that carries this certification will easily fulfill the demands of slower e-bikes as well.

Many new tires on display at Eurobike comply with the ECE-R 75 standard.

If going fast is your top priority, **Schwalbe's Durano-E** is a logical choice. Available with both steel and Kevlar beads, this tire comes with a rubber compound that offers plenty of grip in the wet. Schwalbe adds reflective stripes on the sidewalls to ensure the rider is visible in dark or wet conditions as well.

Because removing an e-bike wheel can be quite a hassle, the Durano-E comes with additional puncture protection. Apart from various widths for 29-inch wheels, Schwalbe also offers the Durano-E in a 40-584 dimension that fits 27.5-inch wheels.



Schwalbe Century tires

**SCHWALBE STAND
A5-300**

Onza Tires worked with a well-known Swiss manufacturer of speed pedelecs when it developed its Allegra Zai tires. While these also exist in narrow versions with widths of 32mm and

**ONZA STAND
B1-406**

35mm, the bigger news — literally — is Onza's 29x2.25-inch version.

This wide tire offers an extra bit of vibration damping, comfort and control without the additional weight and maintenance usually associated with suspension forks or suspension seat posts.



Hall A6, Booth 203

Nyon
Connect your Way



The first all-in-one eBike on-board computer, exclusively for the Performance Line.



Onza Allegra Zai

After all, e-bikes already have to cope with the additional weight of an electric drive and a battery, which can easily add at least 8kg (18 lbs) to the vehicle's weight.



Another new tire for e-bikes that is worth looking at is **Vee Tire's** Zilent. It uses Pitch Variation Technology, already proven for automobile tires, to create a quieter tire.

Growing up. The migration from 26-inch to 27.5-inch wheels is roiling the commuter and urban bicycle segment as well as the mountain bike category, and tire manufacturers have to follow suit.

Schwalbe had a limited selection of tires last year that matched the ETRTO

size 584, or 650B. It's expanding that selection for 2015.

Kenda is showing its Kwick Seven.5 at Eurobike. Featuring reflective sidewalls and some extra puncture protection thanks to a K-Shield layer in its carcass, this tire is certified for use on slower e-bikes with a speed limit of 25 kmh as well.



There should be quite a few tires on display here at the show in the new sizes.

Retro rollers. The retro look is back in style, as a stroll through the Eurobike halls will confirm. Sporting classic frames, carriers, fenders, and chainguards painted to match the frames, many of these bicycles

combine retro looks with state-of-the-art technology.

These bikes require a certain kind of tire that won't ruin their carefully created retro appearance. The Schwalbe Century is one such tire.

Built with a 50 TPI carcass and featuring K-Guard puncture protection, this Century comes in four color combinations, from all black with white lettering to a flashy green with skinwall sidewalls.

The design highlight of the Century line is what Schwalbe calls "billboard sidewalls": The lettering is raised and printed with a contrasting color for a three-dimensional effect.

For very classic vintage bicycles, the black and beige skinwall version is an obvious choice.

These kinds of cost-conscious products

don't make a lot of headlines, but they do make a lot of money for retailers.

A lot of cutting-edge tire technologies have trickled down to entry-level tires, so many offer a great value.

Schwalbe's new Range Cruiser is a good example. With its fast-rolling center tread and some added bite on the shoulders, this latest addition to Schwalbe's Active Line is a true all-rounder.

The 50 TPI carcass has been reinforced with K-Guard for additional puncture protection, and reflective stripes enhance safety.

All this comes at a highly competitive suggested retail price of €16.90 (\$22.40), proving that proven brand quality doesn't have to punch a hole through your wallet. ■ **LvR**



Schwalbe Durano-E



PROBABLY THE BIGGEST EVOLUTION IN PUMP INDUSTRY

This EZ pump head requires only one hand to do simple Push-on & Pull-off to engage with tire valve. Furthermore, a crispy click sound confirms the positive engagement. EZ head features revolutionary "double-lock" and "fixed insertion" system. Externally 8 clamps "bite" into threads of valve stem and internally rubber grommet is squeezed by perimeter force to air-tight with tire valve. This double-lock mechanism is triggered by fixed amount of insertion. Most old style pump heads requires two hands to do the job and only relies on top-down force to squeeze rubber grommet to grip with tire valve. Sometimes you need to do it more than one time to get effective engagement. No guess work with EZ head.

Patent-pending or patented in multi countries.



THE OLD GOODIES

Decades ago BETO is the original inventor and patent holder for auto-switching dual valve pump head (LD-2, LD-6, LD-7). Its unsurpassed innovative and simple structure (only one moving part) becomes, probably, the most widely-copied product in the bike industry.

PATENT: 135498 / 5,960,815 / ZL97221241.8 / M 318073 / 7,866,335 / ZL200720006855.0



Hammer-head Dual valve systems for floor pump

Various combinations:
• Schrader+ Presta
• Schrader+ Dunlop
• Presta+ Dunlop

Single valve systems for floor pump

Various combinations:
• Presta only
• Schrader only
• Dunlop only
Additional Presta or Schrader valve adapters is available

Hammer-head Dual valve systems for mini pump application



2015 E-bikes: Smartphone integration

With smartphones getting ever smarter, e-bike brands are putting them in control

In 1990 there were about 12.4 million mobile phone subscribers worldwide. Today, an estimated 1.75 billion people use smartphones alone. At Eurobike, a host of electric bike companies are tapping into the capabilities of smartphones to make their bikes smarter and their customers happier.



Visiobike

Some e-bike brands believe the convergence of smartphones and e-bikes is inevitable.

"The smartphone is actually a perfect smart interface between the bike and

a new generation of smart electronics," said Marko Matenda, CEO of **Visiobike**, a new, light e-bike that was designed from the ground



up to work with smartphones.

"For example," he added, "Visiobike features torque, light and movement sensors for a level of automatic operation not seen before, with settings and controls all accessible on the user's own smartphone."

On the Visiobike, the rider mounts a smartphone on the bike in lieu of a traditional e-bike display.

Other more established companies are also launching smartphone-compatible displays, including **Bosch**, the European market leader in electric bike drives.

By using a separate display, the rider can stow her smartphone snugly and safely in a pocket or bag. The e-bike's display can communicate with the phone through a Bluetooth link and show notifications such as incoming calls and text messages.

The disadvantage is that a cyclist now to carry two pieces of equipment, not one.

Bosch calls its smartphone-aware Nyon display an "all-in-one" e-bike



Bosch Nyon with fitness software


computer. The Nyon includes a handlebar-mounted, 4.3-inch color display that can be controlled wirelessly by a separate thumb-push button next to the grip.

Its myriad functions include wireless Bluetooth connectivity with the rider's smartphone. SMS texts, phone calls and track information from the phone's music player will display on the Nyon's screen.

An integrated GPS function adds real-time 2D and 3D navigation. The Nyon also includes the usual fitness and power controls, which are much enhanced from typical e-bike displays.



Dear Riders,

CHAODYANG was founded in 1958, which is from the mysterious Orient, nearby Qiantang River, next to Haichao Temple, one of the famous temples in Hangzhou. As  shows, the morning sun rises slowly from the tides. Keeping moving up, being passionate, rolling forward is our eternal pursuit.

Our technological team is making efforts on developing more and more light and durable casing materials, construction, extreme performance compound under latest technology to meet variety of your demands. And now, our products are one of the best choice for many top-level bicycle brands. We are turning from "MADE IN CHINA" to "INNOVATION IN CHINA"!

Of course, we know that to achieve the best tire, we need great riders from different countries, testing our tire in different terrains and climates, complex environmental conditions. Your feedback will make it possible for us to improve CHAODYANG tire constantly. We need your passion. Let's forward together!

We sincerely invite you to join in our team, please kindly send email to passion@zc-rubber.com for more details.

Passion For Forward

Danfeng
International
Sales & Marketing Director



"RIDE LIKE THE WIND"

Arisun Vitesse tires are light at 230 grams and will let you fly!
Add our new Silica Fast Rubber Compound that will blow away the competition!
Top it off with our Pro-Defense Tire Protection and 120 tpi casing, to get you to the finish line!



VITESSE



Stromer ST2

GO SwissDrive has made electric drive systems for such brands such as Cube, Ansmann and Gobax. Now it is launching a new color display for its motor system that features Bluetooth smartphone connectivity. Its rear wheel hub motor is found primarily on sporty, fast S pedelecs.

"Instances from other sectors indicate that style-conscious, technophile customer groups are specifically looking for value-added features with the potential to satisfy their desire to stand out from the crowd," said Immanuel Seeger, the company's product manager.

That's just what GO SwissDrive says its powerful, silent motor and its slim, Evo color display can offer.

The company's smartphone app should be available when it launches the Evo display, probably in November. The company plans to integrate fitness and navigation functions in the future.

What about e-bike brands that have opted to make the rider's smartphone the main display?

Visiobike has based its 21kg (46 lb.) carbon fiber bike around smartphone functionality, along with its own onboard electronics.

Built-in GPS functions means users can access navigation with Google maps. It also incorporates a host of "smart" anti-theft features that keep the rider in contact with the bike, even when they are not physically present.

Visiobike comes with a rear-view camera that provides a wireless video feed to the smartphone. The company is experimenting with Google Glass so that it can transmit some of the bike's display information right before your eyes.

"We are trying to put the technology on the bike that makes the most sense," Matenda said. "For example, the rear-view video and automatic accident notification features are safety enhancements, while the on-board smart electronics, combined with the Nuvinci H Sync continuously variable gears, means Visiobike can automatically provide the most appropriate assistance level when you come to a hill."

Spanish brand **BH Emotion** already offers a smartphone option for its Evo, Neo and Easy Go lines. BH gives the rider the option to replace the bike's display completely, by using Bluetooth modules that are sold separately.



Among other features, the BH smartphone app has an automatic power control option that is regulated in part by the phone's GPS function. It can also be linked to the rider's heart rate monitor, so the bike can adjust the level of power assist to maintain the rider's heartbeat at a pre-set level.

Czech e-bike brand **Agogs** is also introducing an option to connect a smartphone to the bike's controller.



"Our Bluetooth-enabled controller allows the user to choose between the standard LCD display or their smartphone," said Jakub Ditrich, Agogs' managing director.

He added, "For those who might be reluctant to attach their smartphone to a bike, we have a range of very protective waterproof cases. This means that the Agogs Bike Control app can be used while cycling to manage the assistance levels of the bike and get lots of display feedback from the controller — speed, motor

power, battery level and so on." Agogs is working to integrate its system with Teasi GPS devices, so the GPS unit could control the bike. Perhaps most reassuring for potential buyers, Agogs intends to keep its prices within a relatively modest range of €1,100 to €1,900 (\$1,460 to \$2,525).

eSocialBike, smartphone software developed by Italy's Sitael, will be used on some models from Hero Eco's A2B brand.



Along with GPS route planning, the system collects diagnostic and maintenance information directly from a chip in the bike's battery compartment.

"A2B owners stay on top of their bike maintenance with warranty notifications and the ability to report issues, giving dealers direct dialogue with their customers," the company says.

Sitael also says the highly adaptable system can be useful for configuring e-bike fleets.

With so many brands leading the way, it may be just a matter of time before the major e-bike brands wise up and make e-bikes that are smart enough to talk to their users' smartphones. ■ **Richard Peace**

Richard Peace is a freelance bicycle journalist and publisher (www.excellentbooks.co.uk)

The Nyon unit also will link to the Bosch's forthcoming website. Nyon will be available only as an option for Bosch's higher-end Performance Line systems. Bosch's traditional, non-smartphone-compatible Intuvia display will remain as standard equipment on its systems.

Bosch says Nyon-equipped bikes should hit shops in September. KTM is one large manufacturer that has been quick to adopt the Nyon system for its premium bike range, branded GPS+.

In a similar vein to Bosch, the Swiss firm **Stromer** has announced a smartphone-connected system that will allow riders to fine-tune the performance parameters on its new ST2, a 45 kmh (28 mph) speed pedelec. The system will also use the smartphone to download and install firmware updates.



While some bike settings can be controlled by both the e-bike display and a smartphone, the smartphone also can be used to electronically lock the bike, and track it by GPS in case of theft or loss.

The rider's info is available in Stromer's Cloud-based Omni platform.

Anja Schmidt-Amelung, Stromer's marketing manager, said the ST2's target customers are "technology and design enthusiasts aged 40 to 60." She said Stromer is marketing the ST2 as "the perfect urban commuter's bike."



GO SwissDrive Evo display



linkstation
New Security System



CUSTOMIZE YOUR BIKE!



CROPS Co., Ltd.
www.crops-sports.com

New Products 2014

Skins Cycle Men's Hybrid Baggy Shorts

STAND
B5-405



Skins' new cycling shorts are designed for mountain bikers who want the advantages of compression, but the style of a loose-fit look. The inner pant provides the compression, while a second layer provides the look. The shorts fit tightly at the crotch to avoid chafing.

Taya Octo-DH e-bike chain

STAND
A5-503



The Octo-DH is a strong, light and fashionable chain for mid-drive e-bike motor systems. With Taya's DHT Hardness Treatment, it will stand up to the high torques imposed by center motors. It will withstand years of rain, snow, and water cleaning without rusting.

Xenofit Carbohydrate gel drink

STAND
FG-WA103

In three flavors, Xenofit's carbohydrate gel is made for taking on the run. It's runnier than Xenofit's gel for quick consumption. The combination of maltodextrin, glucose, and fructose provides a minimum of 26g of carbohydrates, and the cola version adds 50mg of caffeine. Available in passion fruit, orange, and cola flavors.



Dr. Pad Doc 103

STAND
B5-610

Developed for triathletes, the Doc 103 chamois is cleaner, lighter and easier to dry. It's made to accommodate the different saddle positions used by triathletes as compared with road racers. While it's made for medium to long rides, the Doc 103 is fine on short rides and won't get in the way while swimming or running.



CamelBak K.U.D.U.

STAND
B4-403

The K.U.D.U. (Kinetic Ultimate Dampening Unit) is an all-in-one backpack that combines hydration, protection and cargo space for mountain bike riders. The CamelBak Impact Protector absorbs more than 94 percent of shocks to reduce injury risks. It exceeds CE Level 2 certification of EN 1621-2, a safety standard for motorcycle protective gear. Available in 18 and 12 liter capacities.



Selle San Marco DiMA Selector

STAND
B3-405

Selle San Marco's DiMA selector helps cyclists choose the right saddle by entering a few parameters, including age, pressure sensitivity, body type, riding style, and height difference between handlebar and saddle. It will be available in stores or for download on a smartphone or tablet.



Bafang Max Drive System

STAND
ZH-206

Bafang, the market leader in hub motors, addressed the growing demand for mid-drive motors with the Max Drive System. The very quiet, compact 250W motor has a sensitive torque measuring technology that works on both sides of the axle so it can be used with coaster brakes. It was designed by a leading Dutch industrial design agency.



Winride FE/FP Multi-tool

STAND
A7-431

Winride's new creation combines a multi-tool with a CO2 inflator and packs it all into a small space. The micro CO2 inflator supports a 16g cartridge and fits Presta/Schrader valves. A hard chrome coating ensures it won't rust.



Wahoo Tickr X

STAND
B1-505

The wearable Tickr X tracks motion, heart rate and calories burned in real time. With its built-in memory, it can be used without a smartphone during a workout — just sync your data later. It tracks cycling cadence on a spin bike or Wahoo Kickr bike trainer. It's compatible with newer iOS and Android devices.



FLR F-22

STAND
B2-413

The F-22 shoes have the stiffness to compete with race models and the price to compete with entry-level shoes. The sole uses a 100 percent carbon plate on the cleat area for a rigid, powerful and efficient pedal stroke. The carbon is thickest around the pedal area for power transfer rivaling that of top-of-the-line brands.



New Products 2014

Alpina Garbanzo

STAND
B2-201

Enduro riders can protect their beans with Alpina's sleek and simple Garbanzo helmet, which takes the best features of its Carapax. The shell comes down extra low, and features an oversized visor. A three-way, height-adjustable Run System Ergo Pro allows for a precisely adjustable fit.



Corratec InsideLink 10 Hz

STAND
B1-300

InsideLink 10 Hz suspension system isolates riders from high-frequency vibrations that would normally slow them down by removing "stiction" and friction from the shock eyelet to the frame so the suspension can react faster. It works with Corratec's InsideLink system.



Rotor QCX1 Rings

STAND
A1-202

The QCX1 rings are made for the fanatical cyclocross racer. They're compatible with all BCD 110 cranks, notably Rotor's own 3D+ and 3D30 cranks. Installation doesn't require disassembling the crankset from the bike. There's no need for a chain guide because the QCX1's alternating thick/thin, single-speed tooth profile won't let the chain drop off.



Chaoyang Merlin

STAND
A7-313



The Merlin is a magically light cross-country racing tire. Enlarged shoulder blocks give riders better cornering grip, especially on dry surfaces. A dual compound lowers rolling resistance and extends the life of the tire. It comes with Chaoyang's exclusive Dino Skin, a Kevlar anti-puncture treatment.

Zero rh+ ZY helmet

STAND
B5-406

A combination of safety, comfort, lightness and design makes for a unique helmet. The ZY conforms with the toughest safety tests, but not at the expense of ventilation or snug fit. Carbon fiber inserts ensure high standards of safety and performance.



by.schulz G.1

STAND
A3-604

The light, top-quality G.1 parallelogram suspension seat post reacts promptly and sensibly to vibrations. The rider can adjust the responsiveness of the suspension to fit his or her weight and riding style. The saddle mounts quickly, and the spring is easy to replace. It's approved for use on pedelecs and e-bikes including S pedelecs.



Cateye Strada Smart

STAND
A1-201

The Strada Smart connects with a smartphone through the Cateye Cycling App. It mounts on the handlebar or stem so the smartphone can be stashed out of harm's way in a pocket or pack. It works while the phone is in sleep mode to preserve the battery. Post-ride data can be uploaded to training and social cycling websites.



HT Components X1/X1T pedals

STAND
B3-206

HT enters the clipless pedal market for 2015 with the X1 and X1T, developed with Aaron Gwin, the two-time UCI Downhill World Cup overall winner. They're designed for enduro, freeride and downhill riders with large platforms and aggressive pins. The X1 with CrMo spindle weighs 470g (17 ounces), and the titanium X1T only 416g (15 ounces).



Mio Cyclo V4 Software

STAND
B2-200

The free V4 update for Mio Cyclo software provides wireless Shimano Di2 support, indoor trainer support with track resistance, music controls, call and text message alerts and even the ability to answer incoming calls. The new "Where am I?" function displays the user's exact location for emergencies.



iXS Trail RS RED

STAND
B3-100

At the suggestion of freeride legend Richie Schley, iXS added a gleaming red to the color lineup of its Trail RS helmet line. The Trail RS, made for all-mountain, trail and enduro riding, has been picking up awards, including the PlusX award as best product in its category.



New Products 2014

Brose e-Bike drive unit

STAND
A4-701
+ TEST TRACK



Brose, a supplier to the global auto industry, is presenting an "open system" e-bike drive unit that generates up to 600W of power from a unit that weighs just 3.4kg (7.5 lb). The motor is virtually silent and vibration-free. The small motor works with a number of groupsets, so bikes can be configured with multiple front chainrings.

Bigfish folding bikes

STAND
A4-302



Bigfish bikes use button-operated Smart Folding Technology so they can be folded intuitively in no prescribed order. Unfolded, the Bigfish has the geometry of a full-sized bike and can accommodate riders up to 190cm (6 feet, 3 inches) tall, weighing up to 115kg (253 lbs).

Galfer Disc Wave

STAND
B1-412

The laser cut Disc Wave is made in Spain of stainless steel with a high carbon content. It's efficient in dry or wet conditions and works on all bikes, from road bikes to DH models. The Disc Wave is free of noise and vibration, and is available in diameters from 140mm to 203mm.



Infini Super Lava

STAND
A5-304

A compact, light front LED bicycle light emits up to 200 lumens for the road ahead. A USB-rechargeable Li-ion battery provides hours of use and recharges through a USB port. It attaches quickly on a range of handlebar sizes with a tool-free mount.



Evoc Bike Travel Bag Pro

STAND
B4-202

Less weight, more stability was the goal of Evoc's new Bike Bag Pro. It uses an aluminum front handle, monocoque wheel chassis and a molded bottom case with aluminum side rails. With a clip-on wheel that affixes to the handlebar, the bag stands on three wheels so it can be pulled easily when loaded.



Hubsmith HS-R023F/R

STAND
A6-502

Hubsmith hubs feature the patented One Way Adjustable Gap System to prolong the life of the hub after extended use has caused the bearings to wear. The resulting gaps can cause the wheel to deflect and create more damage. The system lets users directly adjust the gaps through a ring in the hub.



Ortlieb Urban Line

STAND
B5-600

Ortlieb's Urban line consists of stylish, waterproof bags made of a Cordura cotton blend. The Commuter Bag is designed for commuters. The City Briefcase comes in two sizes and with two mounting options, while the Back Roller Urban is a spacious, waterproof everyday pannier. The Reporter Bag and Courier Bag are two shoulder bags that fix to the back while riding.



Höganäs Eclino

STAND
FGO-103

The Eclino range of compact, high-torque center drives offer outstanding hill-climbing ability based on the Höganäs transversal flux motor technology. The system uses a remote control "ring" with mini-display and a Bluetooth interface. Power comes from Varta batteries. The motor production uses fewer raw materials to conserve natural resources.



Nukeproof Scout

STAND
FG-WB111

The Scout is a new direction for Nukeproof, which has historically made only full-suspension trail bikes. The aluminum Scout is a long-travel hardtail with a 66-degree head angle, when coupled with a 150mm travel fork.



Cing Shift:R

STAND
A2-110

For its Cing accessories line, Tout Terrain has developed a product that many Rohloff Speedhub riders have waited for: a thumb shifter that controls the Speedhub with the convenience of a modern derailleur. The Shift:R's EasyShift technology has separate levers for low and high gears so it's easier to move through the Rohloff range. It fits many handlebar types, from flat bars to drop bars.



New Products 2014

Super B TB-FD55

STAND
A7-413

Super B's 15-in-1 folding tool has cyclists covered with a pedal wrench, hex wrenches, screwdrivers, a multi-function chain rivet extractor, spoke wrenches, a brake piston press — and a bottle opener.



Overade Plixi

STAND
B2-513



When the trip is over, the Plixi helmet shrinks to a third of its size and slips into a small backpack or a woman's handbag, thanks to a unique folding mechanism. The Plixi meets the same safety standards as traditional helmets, without sacrificing style.

XD Double Speed Motor

STAND
FW-OG103

An internal double-gear structure optimizes torque and speed for different road conditions, and offers a smooth automatic and manual transmission. Compared with a BB drive system, the XD motor offers increased efficiency. It fits in a regular bike frame.



GoPro Three Way Mount

STAND
B2-400A

The Three Way Mount can be used as a camera handle, an arm or a tripod. The flexible arm is suitable especially for POVs or selfies. By removing the grip from the arm it can be used as a camera handle alone. A hidden tripod can be used alone or in combination with the handle.



VDO M4

STAND
A5-206

The M4 provides maximum performance from a minimal design. It always shows the current altitude in large digits and can show the grade and differentiate between uphill and downhill. The backlit display provides all key bike functions and even includes a tire chart for easy setup of the wheel size.



Taya GST anti-rust parts

STAND
A5-503

Screws are crucial in a bike shop, but they never get much respect. Chain maker Taya offers screws treated with its anti-rust process known as GST, which uses no toxic metals. Since a rusty screw can force the replacement of entire components, Taya's process can save time and money — for mechanics and consumers.



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New Products 2014

Neonon Drevis/Nevis

STAND
ZH-304



Make sure the little ones can always be seen with Neonon's high-visibility clothing. The Drevis neon dress for girls will be on sale in September, while the Govis keeps boys looking like little gentlemen. They are made with 3M reflective material all around.

Humpert Ergotec EP-1 Pedals

STAND
A4-400



The EP-1's ergonomic shape hugs the soles of the feet for optimal power transmission. Its large contact surface fully supports the soles to help prevent numbness or pain, while inner guide rails prevent contact between the foot and the crank.

Polaris Nordic

STAND
ZH-305

The 250W Nordic e-fat bike and its brother, the Sabre, join the lineup of U.S. powersports specialist Polaris. A balanced hybrid frame distributes weight. The Polaris DuoDrive motor, combined with 4-inch Kenda fat tires, functions in all terrains. The battery can be charged in or out of the frame and goes up to 50km (31 miles) on a charge.



Sigma Sportster

STAND
A5-200

The new Sportster front light is an attractive way of complying with lighting regulations. Its 30 lux beam provides a good 50 meters (164 feet) of illumination and is powered by a compact li-ion battery that can be recharged with a micro USB cable.



Elastic Interface Road Performance Compact

STAND
B5-209



The Road Performance Compact has a flat surface, while protective foam inserts and center channel on the underside of the pad provide protection and freedom of movement. Its "encased" anatomic shaping protects the private parts, even on four-hour plus rides.

Polisport Guppy Junior

STAND
A7-400

The Guppy Junior is ideal for short rides when agility and stability is more important than ultimate comfort. A soft cushion over the seat and back support can be moved to accommodate the child's height. Retractable footrests also adjust.



Lezyne Alloy Floor Drive

STAND
A3-201

Lezyne increased the size of the pump's face to 3.5 inches from 2.5 inches for more accuracy and easier visibility. The ABS Flip Chuck uses Lezyne's patented Air Bleed System button to release air pressure in the pump hose for easy removal of the chuck. For Schrader valves, the system adjusts tire pressure by releasing air from the tube.



Ergon GA2

STAND
B4-102

The GA2 is an ergonomically optimized grip for mountain and gravity mountain biking. The soft rubber compound enhances control. The grip comes in six colors and weighs 120g (4 ounces).



Leatt Quattro Force Control

STAND
B3-108

For serious protection, the Quattro Force Control helps reduce neck forces and rotational brain acceleration. It integrates with Leatt neck braces and won't weigh riders down. Leatt's 3D in-molded V-foam is a multi-density impact form for medium and high-energy impacts. And it's hydration-ready with an optional hands-free kit.



Source DVue

STAND
B5-202A

For athletes engaged in ultra, enduro and adventure racing, DVue 3L Widepac features a dividing wall that splits the bladder into two compartments. Users can divide up the three liters in any way and fill one portion with water and the other with an energy drink.



INNOVATED CONCAVE LINE DEFINES NEW ERA FOR E-BIKE SADDLES



While stability and comfort being the most important criteria for E-Bike saddles, this concave line provides riders stability while pedaling without eliminating the required comfort on the bike.

Model No.:

VL-6362



In the new product line extension, Velo embellished their well-established ebike / city / trekking saddles collection with patented invisible "U Carry". It is the main means by which riders can easily carry their bikes.



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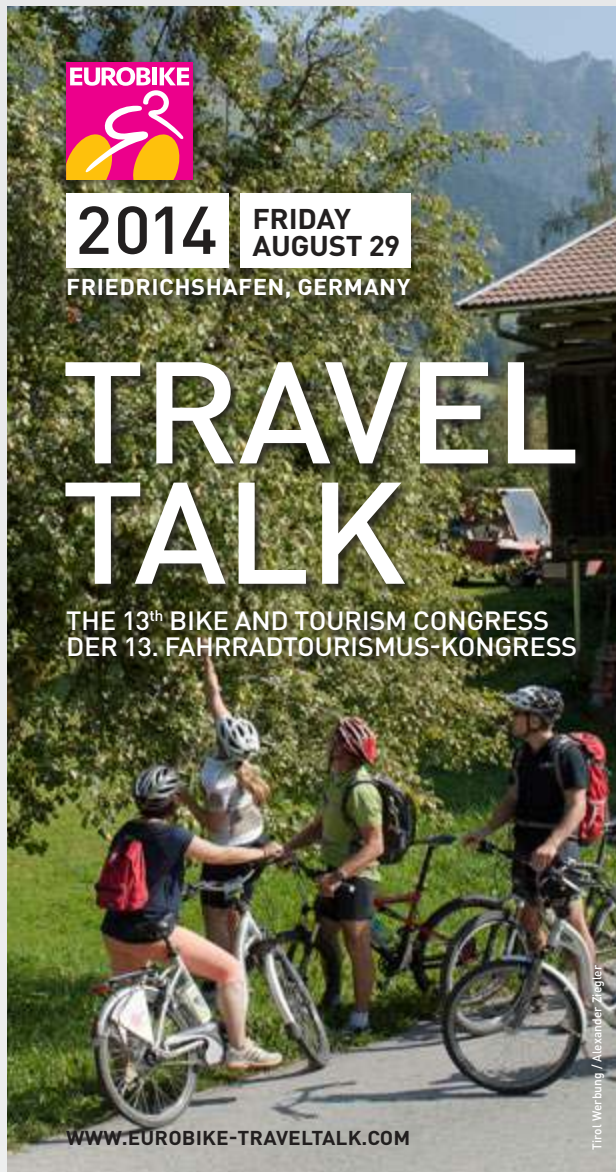


SEE US AT BOOTH

B4-209

2014 Travel Talk Learn how cycling and tourism can work together for success

The 13th edition of Travel Talk, which begins at 10:30 a.m. today in the Conference Center, features top-class lectures from international cycle travel experts and a chance to network with fellow professionals.



Travel Talk presentations focus on innovative programs for leisure cyclists and mountain bikers as well as the most important technical developments for tour organizers, hotel businesses and other segments of the hospitality industry that work with cyclists.

Tourism industry participants can also take advantage of Travel Talk's affiliation with Eurobike to learn about the latest bicycle trends.

Travel Talk has an international focus, reflecting Eurobike's status as the world's largest international bicycle show.

Today's presentations will include a discussion of mountain biking in Scotland, which has grown from a niche to become one of Scotland's most popular types of tourism.

Vicky Yang, the CEO of Cycling Life-Style Foundation, will discuss bike tourism in Taiwan, and creating a successful

bike share system. Yang, who helped design and implement the YouBike bike share program in Taipei, will discuss the steps required to integrate a bike share system with an urban public transportation.

Another topic is how members of the bicycle industry can collaborate with tourism officials to develop mutually beneficial programs.

Tobias Spindler of Riese & Müller, a successful German bicycle brand, will discuss his company's work with five-star hotels on Sylt, an island in northern Germany that is a popular tourist destination. Sylt is home to a network of e-bike rental stations featuring bikes from Riese & Müller's BlueLabel brand, which can be booked on-line.

The Netherlands Board of Tourism and Convention, meanwhile, links tourism and other partners in a multi-media campaign it calls "Cycling like

13th Eurobike Travel Talk

10:30 a.m. – 5 p.m.

Conference Centre | Foyer
East | 1st Floor

www.eurobike-traveltalk.com

The congress is free for industry visitors who have purchased tickets to Eurobike. Simultaneous English translation is provided for most presentations and discussions. Visitors may attend one or more presentations.

the Dutch." Partners include the tourist regions of Drenthe and Friesland, bike manufacturers Koga and Basil, and Landal Greenparks, which offers vacation rentals.

Holger Meyer and Karen Eller of Die Rasenmäher, which operates mountain bike camps, tours and other events in the Alps, will explain how they have built successful relationships with tourism associations and bicycle companies.

Hannes Neupert of ExtraEnergy, an e-bike organization, will discuss the newest developments in navigation and the fast-moving category of electric bicycles.

He'll discuss the growing use of smartphones for navigation and how they differ from dedicated GPS devices. He'll also give an overview of the most important emerging technologies for pedelecs and their impact on tourism.

At the end of the Travel Talk program, experts will lead four guided tours through the Eurobike halls where participants can meet some of the bicycle industry's trendsetters.

The tours will focus on e-bikes, innovations in bicycle technology; navigation and GPS devices; and mountain bike trail building.

For more details on today's program, visit www.eurobike-traveltalk.com. From there visitors can also access the Travel Talk Cooperation Exchange, where bicycle manufacturers, tourism organizers, and other service can post offers or partnership requests.

■ **Ulrike Saade/Velokonzept**

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Trigon, Bikemen are booth buddies at this year's show

Everyone knows how difficult it is to get off of Eurobike's long waiting list and into a booth. So it's not unusual to see companies help one another out by doubling up. You'll find one of those marriages of convenience at the Great Go Cycles booth.



(From left) Bikemen's Nico Liao, Joanne Kao, Willy Huang and Jill Lee with Matrix fenders. (Photo: JB)

Great Go, better known under its brand name, Trigon, is sharing its booth this year with Bikemen Techno Group.

Bikeman makes fenders, chain guards and accessories through its subsidiary, Future Forms.

A sister company, Reinforce Plastic, concentrates on other segments of the sporting goods market while Bikeman sticks to bicycles.

Great Go produces around 20,000 carbon frames, 100,000 seat posts, 50,000 handlebars and 30,000 headsets a year. This year it's showing a new product line: carbon wheels.

"Our company philosophy is quality, not quantity. We might not produce the lightest carbon frames in the market. But as one of the carbon pioneers in Taiwan, we can ensure the stiffness and safety of our frames," said Eric Lee, general manager of Trigon.

"Why is simple to explain," he

added. "We control every step of the process through our in-house production."

Carbon frames and forks are sold under the Trigon brand, but the company policy is to supply carbon wheels and other carbon parts only to OEM and ODM customers.

Future Forms, meanwhile, produces a wide range of plastic parts from factories in Taiwan and China. While this isn't its first Eurobike appearance, it's the first time Future Forms has doubled up with Trigon.

"We offer a wide range of commuter bike fenders, chain guards and accessories in different colors. For our customers we are very flexible and can even offer plastic fenders with an aluminum look," said Nico Liao, Bikemen's sales manager.

Bikemen is featuring a new two-colored fender line it calls Matrix. ■ JB

STAND
B4-205

BlkTec makes world debut with carbon wheels, parts

BlkTec, a Taiwan manufacturer of carbon fiber parts, is introducing its brand to the world at Eurobike. Only a few insiders got a sneak peek of the brand at the Taipei Cycle Show earlier this year.



Greg Grobler

Greg Grobler said. Grobler is a native of South Africa, but has lived in Taiwan since he was four years old.

Fluent in Mandarin, Grobler was an avid road biker who liked bicycles so much he wanted to become part of the industry. He ended up working with Trigon's parent company, Great Go, which produces the BlkTec product line.

Trigon general manager Eric Lee said there is no competition between his brand and BlkTec.

"While Trigon concentrates on carbon frames and forks, BlkTec concentrates on carbon parts," he said. ■ JB

STAND
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Rennrad's line of children's bikes grows up under Ming

Ming Cycle is one of Taiwan's top five OEM bicycle producers, and it's getting bigger. The company is building a new factory in Changzhou, China, about 180km (112 miles) northwest of Shanghai.



Strida bike production at Ming Cycle (Photo: JB)

The company's presence at Eurobike is also getting bigger. For the first time, Ming is showing two brands instead of just one. It's also showing an expanded range of pedelecs for OEM customers.

The first brand in the hands of the Taiwanese producer is Strida. Ming bought the unique folding bike brand, which was created by British bike designer Mark Sanders, in 2007.

"Strida is a sales success, especially on the Asian market," sales manager Sara Tseng said.

But European sales are not as strong, which is why Ming doesn't put Strida in the spotlight at Eurobike.

Much more important for the European market as well as what the company's CEO, Albert Chen, refers to as the "prospering Chinese market," is a new brand: Rennrad.

Rennrad is a line of children's bicycles that had been owned by a German company, Development Engineering. Ming acquired Rennrad at the end of last year.

At Eurobike, Ming is showing an expanded range of Rennrad bikes.

"The Rennrad brand will continue to concentrate on kids from eight to 12 years," Chen said.

The line is expanding to 20-inch



Albert Chen (Photo: JB)

bicycles for the first time to target older children, which Chen said goes along with a general upgrade of the entire line.

Rennrad continues to sell its balance bikes and push bikes along with 12-inch

and 18-inch wheeled bicycles.

One product it's showing at Eurobike is a 2-in-1 balance bike that lets kids keep their feet on the ground while they gain enough confidence to ride.

Ming is also highlighting its line of e-bikes.

"We will offer pedelecs with three systems for the international OEM market," Tseng said. Ming uses e-bike kits from Greentrans, Panasonic and Shimano, and is showing bikes featuring all three systems in Friedrichshafen.

One of the new models is a stylish 20-inch compact pedelec that Chen believes can become a popular segment in e-bikes. ■ JB

STAND
A5-505B

Shimano renews Service Center network concept

Shimano is renewing its Shimano Service Center concept for Europe, allowing bicycle retailers to promote their expertise with Shimano products to consumers.

Retailers who join the Service Center network can benefit from increased traffic, participation in Shimano training programs and delivery of the latest Shimano products.

For consumers, Service Centers will be their guarantee of the best possible service for their Shimano products and reliable advice on Shimano products and technologies. All Service Centers will have access to Shimano's online

Communication System for quicker warranty decisions.

Shimano will work with each retailer in the Service Center network on keeping the necessary types of products and spare parts in stock.

For information about the Shimano Service Center concept, visit www.shimanoservicecenter.eu. ■

STAND
A1-200

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Wood is good for Basque Country custom framemaker

Where most manufacturers and exhibitors have long lead-in and preparation times, things are a little different over at the Axalko stand. There you'll find Joachim Delp enthusiastically exhibiting two very eye-catching bikes with wooden frames.



The Aratz wooden frame road bike

Less than two weeks ago Delp unexpectedly stumbled upon an Axalko wooden framed bike. "I saw it, and it was so beautiful and I just had to have it," he said.

The frames have been around for nearly three years, and are produced as something of a passionate hobby by a small co-operative.

Two brothers and two friends form the fab four behind Axalko. One, an architect, is the frame designer. The second, a carpenter, is head technician. A third is a skilled bike mechanic, making for a great line-up. They produce the bikes from their home in the Basque Country of northern Spain.

Delp, a German native, has lived in the region for 35 years.

Anyone who passes by the stand can't help but pause for a moment or two, as the two frames – a road and a hardtail mountain bike – are works of art. But even better, it turns out, they're extremely functional.

It's easy to assume that a wooden bike is something of a novelty, and a heavy one at that.

"I have a little game I play with people," Delp said. "They guess the weight before lifting the bike."

Most guesses pitch in at around 10 to 12kg (22 to 26 lbs), yet the Dura-Ace equipped road model tips the scales at just 7.4kg (16.3 lbs), thanks to its laminated, layered, hollow ash tubing system.

As for the ride?

"There have been a few former Euskatel riders testing the bikes for us. One actually rode the Paris-Roubaix Sportif on one, and was really impressed," Delp said. "He said that it was a very comfortable ride, and he was confident that the frame could easily compete in any grand tour or classic."

Axalko offers three sizes of road frames, with mountain bikes in the works, although any custom option is available.

"We can do whatever the customer wants, within reason. Lead-in time is usually 16 weeks, although we can do things much faster if needed," Delp said.

Because this was a last-minute project, Delp has not settled on prices, but estimated that a frameset made from ash would cost between €3,000 and €3,500 (\$3,955 to \$4,615).

For more information, visit www.axalko.com. ■ ST



Wooden and wonderful



Bkool's cool trainer turns any landscape into 3D

What's Spanish for "ultra-realistic online-based global cycle trainer landscapes"? Don't fire up Google Translate: It's "Bkool." The five-year-old Madrid technology firm is at the Orbea stand, debuting its 3D World Internet-based cycle training and ride simulation system.



Bkool's Clara Pastor take a simulated 3D spin.

Feed in the GPS coordinates for anywhere in the planet, and Bkool's software will recreate the route in a 3D-style immersive simulation.

Indoor cyclists can follow the route using real-world geographic data, including slopes and the general lay of the land. The simulator also reproduces rivers, trees and rocks common to an area. (But there are no potholes, so it's not *that* real.)

3D World is in addition to Bkool's existing cycle training system, which uses real-time videos of top climbs around the world. Coverage is most comprehensive for the mountains of Spain.

The stable, quiet training unit transmits sensations from along the route to the user, who bolts in his or her own bike. 3D World has created avatar riders – users can switch from male to female avatars. 3D World also includes a simulated velodrome, with the ability to chase – and, hopefully, overtake – computer avatars or

real-world riders.

In both the map view and the velodrome view, riders can "draft" other cyclists, with the training unit simulating the slackening off sensation of tucking in behind another rider.

All activity on Bkool is recorded in the cloud, so users can incorporate past avatars into competitions, and compete against them in the present.

The simulator allows the user to train with friends (or rivals) at the same time on different continents. The system requires online access – obviously – and the graphics can be thrown on to computer screens, TVs, iPads and smartphones.

Bkool already boasts a powerful analytical suite that informs the user of activity in real time, including heart rate and speed. There's also a cadence analyzer.

■ CR



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Falter E bikes with Bosch/Shimano-display are from the factory fitted on the handlebar with the slide2go carrier system.



* Textile shopping bags with alloy frame, folding handle and slide2go carrier system, universal standard for handlebars and rear racks. Available in different sizes and designs.



Mobile bags of Konnix with touch-screen, waterproof, available in different sizes and colors.

New Hyundai technology stamps out boring steel frames

Everyone is familiar with monocoque carbon bicycle frames — but monocoque steel frames? Hyundai, the big Korean automaker, is promoting a technology that allows bicycle makers to automatically “stamp” out these steel frames in any number of shapes.



Hyundai's Sundae Lim with a Kia pedelec made with Hyundai's steel stamping and welding process. Hyundai is Kia's parent company. (Photo: JB)

Karlheinz “Kalle” Nicolai, the German bicycle engineer, was impressed enough with the technology that he is handling distribution and support for the system, called ESV production technology.

“When Hyundai showed me what in my eyes is a revolutionary technology, I was amazed,” Nicolai said yesterday. “It’s probably the first frame that looks like carbon, without any carbon fiber. Stamping frame technology will definitely bring us to a higher level of frame design and performance.”

The patented process comes out of the automobile industry and marries an advanced metal stamping process with a robotic automated welding system.

Nicolai said the steel frames made through the process are comparable in weight to aluminum frames. It’s also efficient.

“A large amount of frames can be produced within a very short time,” Nicolai said.

Although the process is suitable for

high volumes, Nicolai said the frames aren’t typical of mass-produced bicycles.

“I was amazed by the quality,” he said. “These stamped steel frames bear no relation to the dull image of a heavy steel frame.”

It’s all about “high-class surface design, perfect quality control and top productivity” – all features of Hyundai’s automobile production, said Choi Jung Nam, a research engineer with Hyundai’s automotive R&D division.

At this year’s Geneva Auto Show, Hyundai showed a pedelec under the Kia brand that sported a frame made with the process.

Nicolai’s company, Universal Transmissions, will assume distribution and support for the system. Universal also distributes the Gates Carbon Drive in Europe along with the G-Boxx, Nicolai’s gearbox. ■ JB



Focus thru-axle eyes UCI nod for disc brakes

Looking very much to the future, new Focus disc brake bikes will now come with dedicated front forks and rear dropouts, designed to work specifically with its new RAT disc hub and quick release system.



Focus thru-axle



alignment virtually immediate, and thus makes disc wheel changes much faster than they are currently.

The company has been discussing making the system

with many other leading bike and component manufacturers.

“At the moment it’s the only ‘thru-axle’ system available, but we have spoken with many manufacturers about making it a standardized system, which will be necessary very soon. Most like the system, and are looking to adapt it,” Peter Kinzel, the Focus product manager, said yesterday. ■ ST

As bike sponsors of the World Tour AG2R team, Focus has been looking for a faster and more unified disc brake and hub combination, so that when the UCI finally clear disc usage for road races it will be ahead of the game.

The new system is based around a hollow axle (similar to those used in downhill and freeride mountain biking) that is secured by a 7-position ratchet skewer.

This combines to make disc

Brakeforce One breaks out against big disc brake makers

Brakeforce One is a small German disc brake manufacturer but has long-time connections to the automobile industry.

Despite high manufacturing costs in Germany, Brakeforce One has managed to compete in a market dominated by large suppliers. Officials said their secret is specializing in a highly technical product, combined with well-established business connections within the automobile industry.

“The company is particularly strong because we are able not only to do all R&D by ourselves, but also to manufacture prototypes and do all required tests on our premises,” said Peter Voithl, one of the managers of Brakeforce One.

Voithl, who is responsible for frame R&D and prototyping, was the founder of Votec, the German bicycle company. His partner, Jakob Lauhoff, is in charge of disc brake R&D.

Brakeforce One designed and patented its own disc brake system. It produces calipers and disc rotors in Germany in collaboration with Sauter, which supplies components to the automobile industry.

In addition to disc brakes,

Brakeforce One conducts research and development of bicycle frames.

Eurobike visitors can test the newest Brakeforce One brake system at its booth. Because the company makes all of its parts and components, it can deliver parts in different colors to client requirements.

Brakeforce One recently agreed to cooperate with Kool-Stop, the brake pad supplier. ■ GE



Peter Voithl

CREATIVE

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More power (meters) to the people

Only the pros, or cyclists who have something to lose if they're not riding well, have really embraced the practice of training with a power meter.

And it's no wonder. With the cost of some systems running as high as €4,000 (\$5,275), riders tend to be serious if they're going to make that kind of investment.

Now, power meter companies are attempting to broaden their customer base by offering power meters for less.

Stages Cycling was arguably the first company to pioneer the idea of a more attainable power meter, with its sub €1,000 (\$1,300) single-sided crank unit. Founded in Boulder, Colorado, in 2012, Stages has grown quickly and is at



Stages Dura-Ace meter

Eurobike for the first time. It opened a European office in Kirchzarten, Germany, in December.

The Stages units measure power based on output from the non-drive side crank, compared with other products that measure from the pedals, the wheels or both crank arms.

"We launched a product that holds water with regards to training and is as useful as any other power meter on the market," Stages spokesman Matt Pacocha said yesterday.

Stages is priced at €699 to €899 (\$920 to \$1,185), depending on the level of crankset. It offers power meters for Shimano, SRAM, Cannondale and FSA road, mountain bike, track and BMX setups.

Stages was also the first to track cadence with an accelerometer instead of magnets. Its units automatically compensate for temperature changes.

New at Eurobike is its power meter for Shimano's Dura-Ace 9000 XTR mountain group and for the new 5800 105 road group, as well as FSA's 386 Evo crankset. Those systems should ship in January.

Next door to Stages, the **Garmin** booth was swarming with visitors yesterday, with plenty clamoring for a look at the new Vector S pedal-based power meter. The \$900 (\$1,185) Vector S strips a full \$600 (\$790)



Garmin Vector S

from the original Vector by measuring power in one pedal instead of two.



Rotor takes the same approach with its Power LT model, which retails for €990 (\$1,305), compared with its €1,660 (\$2,110) Power version. The LT samples data from the non-drive side only instead of both sides, via a four-strain-gauge system inside Rotor's 3D+ crank arm.



Rotor Power LT

It still pinpoints a

rider's weaknesses, which is usually the point of using a power meter, but it uses an average to calculate watts as opposed to the precise accuracy of taking data from both crank arms, the company's Wendy Booher said.



Wellgo Thrust E

"It's for a different client," she said. "It's a little lighter than our top-of-the-line power meter that

appeals to racers."

Another option comes from Taiwanese pedal giant **Wellgo**, a newcomer to the power meter category. The \$1,100 (€835) Thrust E measures speed, distance, heart rate, cadence and watts through transmissions from both pedals. Like most systems, it's ANT+ compatible. The Thrust E is prominently displayed at the Wellgo booth.



The Thrust E is prominently displayed at the Wellgo booth.

Quarq also debuted its latest mountain bike power meter, a \$1,500 (€1,140) system that's compatible with SRAM's one-by drivetrains. ■ **NF**



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0 mm MTB-AL-110BT FOV
WIDTH: (ø25.4) 540 560 580 600 620 mm
(ø31.8) 560 580 600 620 640 660 680 mm

±5 mm MTB-AL-300BT FOV
WIDTH: 600 620 640 660 680 700 mm

+12 mm MTB-AL-312BT FOV
WIDTH: 600 620 640 660 680 700 mm

0° TDS-D600
EXT: 60 70 80 90 100 110 120 mm

+3° TDS-D601
EXT: 50 60 70 80 mm

-17° TDS-D602
EXT: 60 70 80 90 mm

-7° CODE 5
TDS-RD701-8FOV/EN-R
EXT: 80 90 100 110 120 130 mm

FLANDERS DR-AL-199

- Wider Bar Bore, easy to equip Stem, Computer Mount, Clip on aero bar, Light and so on.
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- Maximum upper width offers wider holding points
- 3° degree outward lower for better balance and chest breath
- Dual Drops follow 4 widths to catch better lower position
- More extend lower easy to rock at spinning

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Left: At yesterday's Taipei Cycle Night (from left): Wen-Cheng Ke and Agnes Hwa-Yue Chen (Taipei Representative Office), Tony Lo (TBEA), Gerrit Lee (TAITRA), Chen-ko Sung (Qilin Group) and his wife.



Above: Dr. David Hon presents Christine Fuchs of German lobby group AGFS with a Dahon Green Award at a ceremony yesterday morning. Two projects shared a prize of US\$7,000.

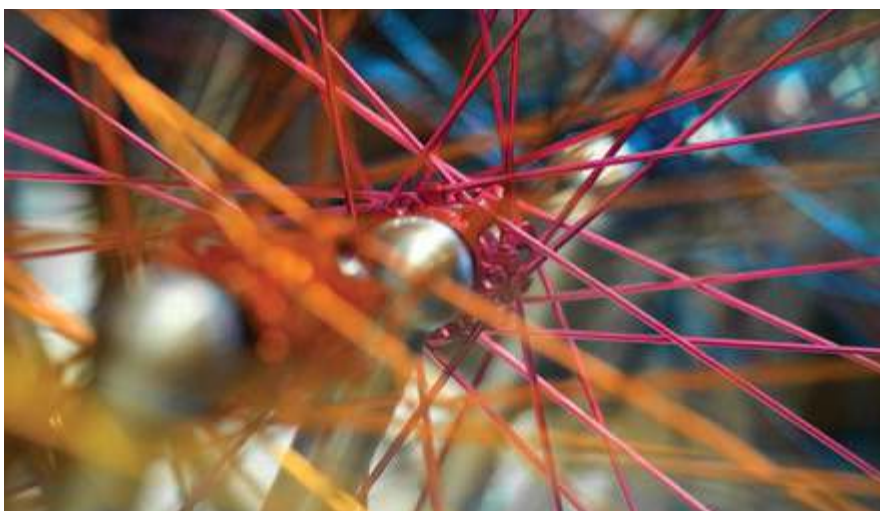




At Taipei Bike Show held at Foyer East yesterday, a model shows the latest dropper post from Taiwan's Kind Shock.



The TSG Nipper Race provided thrills for the under fives.



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KT patented driver engaged system enhance a comfortable race and efficient shifting without drag, affordable for powerful pedaling when sprinting



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SP dynamo, Small, but Powerful.



BEACON 270
To ensure your safety with excellent side visibility

Shaped in Italy and France, versions for seatpost and fender are available. Features include a 1400mAh Li power rechargeable via Micro-USB, waterproof, dual indicator, light regulator, and built-in charging IC to maximum battery life.



New chain hotels will ease Eurobike's battle of the beds

Finding beds at the world's biggest bike show will be slightly easier next year. Holiday Inn Express is to open a 120-bed hotel a brisk five-minute walk from the west entrance to the Messe. This is in addition to the 142-bed Comfort Hotel which opened last November, only 4km (2.5 miles) from the show.



Holiday Inn Express under construction.

"Every new hotel is welcome here," Sandra Scheider of the Messe Friedrichshafen hotel reservation service said yesterday. Added colleague Julia Graf, "We have to book some

visitors in accommodations 50 or 60 kilometers away."

The Friedrichshafen hotel booking service comes to life every November and has to find accommodations — in Germany,

Austria and Switzerland — for many of the 45,000 trade visitors to the show, 56 percent of which are from overseas. Eurobike is Friedrichshafen's biggest gig of the year, and with just 4,968 "overnight stays" in town, including private apartments, it's fiendishly difficult to secure accommodation close to the show.

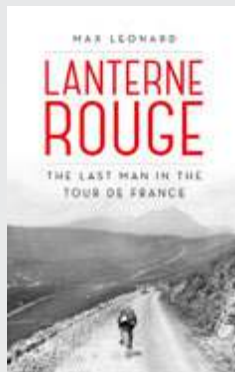
The five-story Holiday Inn Express is expected to open in January.

From its location on Allmannsweilerstrasse is a traffic-light bike and walking path to the Messe that goes through an apple orchard.

Along with 120 bedrooms, the new hotel will feature four conference rooms. ■ CR

The authors of the Show Daily

Lest you think the *Eurobike Show Daily* is produced by a bunch of beer-swilling, foul-mouthed, semi-literate hacks, you're only partly correct.



We are also proud to count two published authors among our ranks, whose recent cycling books have garnered critical attention from the mainstream media.

For *Lanterne Rouge*, Max Leonard tracked down at least a dozen of the men who infamously finished last in the Tour de France, thus earning the moniker of "lanterne rouge," named after the red lantern at the rear of a train.

"When you first tell someone about the *Lanterne Rouge*, they think it's about losers. But all these guys understood that it wasn't my angle," Leonard said. "I wasn't trying to make a joke. It wasn't about failure. It was about how tough the race was."

His subjects — who Leonard said were gracious and happy to talk about their exploits — were often domestiques, laboring out of the limelight so their more famous and talented

teammates could claim the glory.

"They were in the elite even to be selected for the Tour de France but they all knew they were never a contender," Leonard said.

Among the *lanterne rouge* "winners" Leonard interviewed was Wim Vansevenant, who claimed the title three years in a row, the last time in 2008.

"He knew he was a good, valuable team rider. He could work really hard and sacrifice his own chances and own ambitions for his team. And that's what you need to have a successful team," Leonard said.

Lanterne Rouge, published by Yellow Jersey in the UK in April, has been well-reviewed in leading publications. A U.S. edition from Pegasus Books will be published next spring.

Carlton Reid's book, *Roads Were Not Made for Cars*, has had a very public birth.

Reid raised money for the book on the crowdsourcing site Kickstarter and has diligently updated supporters on the book's progress since.

After four years of research, Reid is publishing *Roads Were Not Made for Cars* next month. He is self-publishing the book in print and digital editions.

While poring through archives, Reid discovered that the first automobiles were invented by cycling aficionados — using bicycle parts. And

cyclists, not motorists, were the impetus behind the first paved roads.

"All of these motoring pioneers, almost without exception, started not just as people who rode bikes recreationally, they were



key officials in cycling organizations. They were key in improving roads as well," Reid said.

"It's cyclists who created motoring," he added. "If it hadn't been for cyclists, we wouldn't have cars. They were the ones who took cycling-based technology and turned it into cars."

Reid went on Kickstarter to raise 5,000 British pounds (€6,290). He reached that in 23 hours, and raised a total of 17,000 pounds (€21,390).

To order, visit www.roadswerenotbuiltforcars.com.

■ DM

Taiwan puts its best foot forward on Eurobike stage

Just like the European market it supplies, Taiwan's bicycle industry is looking forward to an improved 2014 after last year's setbacks.



TBEA Chairman Tony Lo yesterday: "2014 looks like a promising year"

"2013 was not a good year," Anthony Lo, chairman of the Taiwan Bicycle Exporters' Association, told journalists yesterday at Eurobike. "2014 looks like a promising year."

and the Liv Avail.

Kenda presented the Honey Badger DH Pro, with a new sidewall pattern made to work with puncture protective casing materials, reducing the chance of sidewall punctures, abrasions and tears.



Holux

Europe is key for Taiwan's bicycle industry because 51 percent of the island nation's total exports of bicycles (1.9 million units) and components, valued at US\$730 million (€554 million), goes to Europe.

Shipments to the region dropped 15 percent last year due to the well-publicized weather issues that afflicted the European industry.

Nevertheless, the value of Taiwan's global sales rose to US \$1.7 billion (€1.3 billion), and Lo said 2014 is on track for an increase.

"Just look at this bustling trade show," he said.

Lo said he sees new business opportunities, seizing the chance to talk about Giant's women's-specific Liv brand. (Lo is also CEO of Giant.)

"Women are moving more and more to sports bikes. It's time now to develop sports bikes specifically for women. This is a new beginning," he said.

Leading Taiwanese makers also showed new products as yesterday's press conference.

Giant showed two bikes: the Giant Defy Advanced SL, an endurance road bike with what Giant says is its lightest and stiffest road frame ever produced,



A model holds Novatec's new carbon Factor wheelset at the Taiwan bike presentation

Taya showed its bicycle chains for e-bikes. The company said its proprietary DHT hardness treatment creates chains that are 25 percent harder than others in the market and last for more than 5,000km (3,100 miles).

Holux focused on its Smart GPS for outdoor use that measures speed, distance, altitude and other attributes on a display that is readable in sunlight. It also showed the Wearable Lifestyle WRL-8100 smartwatch, a device with several fitness features.

Tern, the three-year-old folding bikemaker with a strong presence in the EU, showed its "Bikes with Benefits," which it says improve urban transportation. Among the models were its range of Verge bikes and the new Eclipse Uno. ■ AH



Taya's color chains at the Taiwan Bike Show on the Fashion Show stage yesterday.

SSM's Bioactive understands a cyclist's underprivileged parts

How do you help cyclists get a saddle that feels good? Understanding your undercarriage is the Bioactive solution from Selle San Marco.



Simona Mazzoleni

For 2015 it has simplified and rationalized its Bioactive product range. There's also clear and fresh packaging and design to complete a revamp that is intended to appeal more to end consumers.

"Cyclists can easily understand which saddle they need," the company's Simona Mazzoleni said

yesterday.

The men/women divide is the obvious one; but then there are three different ranges within Bioactive: performance, recreational and city. These are based on how upright riders are on their bikes, and provide corresponding widths and levels of padding for the best experience — narrow and thin for Performance, up to wide and heavily padded for City. Each style is also available in large or small, further adding to the padding options.

The Biofoam gel finish is for 2015 more lightweight and yet more resistant. The Fusion category features a mix of different cover materials while the Gel category has special inserts to protect the most sensitive areas. For those choosing the Recreational saddle, there's also the Open, with a cutout that provides relief to the perineal area.

"We sell a lot of these saddles OEM, and in the north countries — Benelux and Germany," Mazzoleni said. With the revamped design, it's clear that Bioactive is heading for the lucrative aftermarket too. ■ ML

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ROTOR
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Riding & Dining after the show

Roland Hecht's excellent adventure



Today's final post-show recommendation is based on a 402km ride Roland Hecht accomplished earlier this month. So it is possible — although Hecht suggests that Eurobike visitors not take his proposal too seriously.



Roland Hecht took this selfie at the end of his nonstop 402km bike ride.

Hecht acknowledged that riding 402km (249 miles) in one day "isn't a small thing." It grew out of a quest by the FkU chairman to discover how many kilometers a typical non-professional road enthusiast could accomplish in one go.

Hecht's ride has a precedent in the club. Once a year, the FkU organizes a one-day ride that is typically 250km to 300km (155 miles to 186 miles). The ride traditionally happens on the longest day of the year, so it's known as the *Sonnwend*, or "solstice," tour.

Club members work toward this annual "mega tour," and club leaders work to encourage as many members to participate as possible.

For Hecht, the downside is that the

solstice tours are pre-planned. "We have to do the overnight bookings in advance and therefore know already exactly how many kilometers we are about to ride," he said.

Hecht set a different challenge for himself: How many kilometers could he ride in one day? Or, as he put it, "How far can I go nonstop by bike before my body and soul reach the limit?"

Now he knows. Hecht rode the 402 kilometers in about 16 hours. His ride forms the basis of today's recommendation, starting, as always, at the Messe Friedrichshafen lake.

The route goes north to Ravensburg, Bad Schussenried, Laupheim, Ulm, Günzburg and Ellwangen. Then, it just keeps going: Crailsheim, the ancient town of Rothenburg ob der Tauber, Marktheidenfeld and finally (for Hecht, at least), Lohr am Main.

The ride included an altitude change of more than 3,000 meters. The going gets particularly tough in the Spessart, a German mountain range.

"Every five kilometers you have to climb from one stream valley to another. It kills you," Hecht said. "This was the end of my tour. After approximately 16 hours my body and soul said 'no more.'"

Hecht apologized that the "dining" portion of this report is limited. By the time he reached the end he was too late

for dinner at the Seehotel Gut Dürnhof in Rieneck, where he stopped for the night.

"What I can confirm personally is that the local beer there was great. It's called 'Schlappeseppel.' And the breakfast next morning was a dream!" he said.

A 400km ride has one advantage for Eurobike visitors.

"You can save the cost of an paying for an overnight stay at inflated show prices. One thing is sure — This area is far from where the Eurobike visitors stay."

As told to Jo Beckendorff

About these rides

Roland Hecht, "el presidente" of Team Freundkreis Uphill e.V., or FkU (www.team-fku.de), Friedrichshafen's biggest road club, shares his member's favorite late afternoon/early evening rides for Eurobike visitors. We've published one ride in each issue of the *Show Daily*.

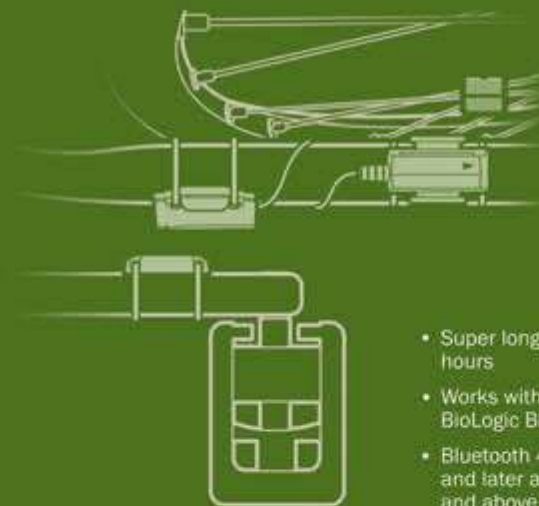
Today's ride is a 402km (249-mile) ride to Lohr am Main. Total climb: 3,065 meters, (10,056 feet). Total descent: 3,294 meters (10,807 feet). Altitude range: 482 meters (1,581 feet). Download the map to your GPS device by scanning the QR code or visit <http://www.gpsies.com/map.do?fileId=hynbnbomhkhxeanfa>

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Transport Guide

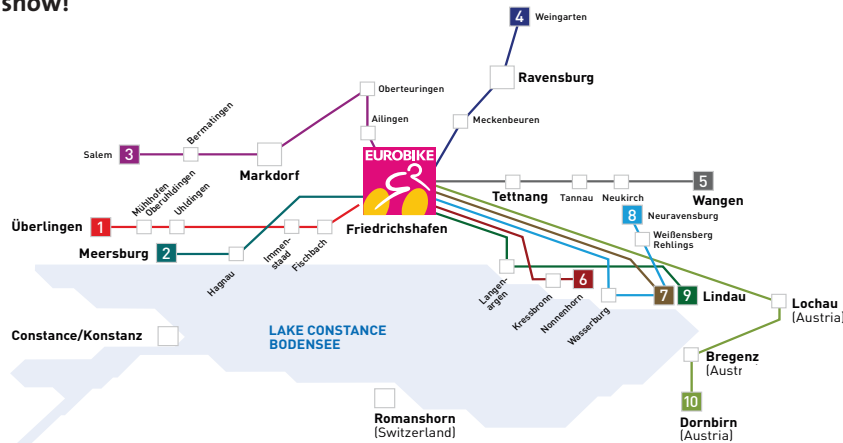
Eurobike Commuter Services

Whether you're arriving in Friedrichshafen by plane, ship or train, Eurobike offers many shuttles that bring you to the international hub of the bicycle world at Messe Friedrichshafen, and back again.

Hotel Shuttle

No stress and no cost

Take your time at breakfast. The Eurobike hotel shuttle will pick you up at your hotel, or close by. Ten shuttle lines connect the region between Dornbirn, Austria, in the east; Überlingen, Germany, in the west; and Weingarten, Germany in the north. There's no easier way to get to the show!



1 Hotel Shuttle Überlingen - Uhdlingen - Immenstaad - Fischbach

Bus Stop/Haltestelle	Tour 1	Tour 2
Überlingen/Andelschhofen Hotel Johanner-Kreuz*	6:54	8:39
Überlingen ZOB*	6:59	8:44
Mühlhofen Hotel Kreuz*	7:12	8:57
Oberuhldingen Marktplatz*	7:18	9:03
Unteruhldingen Meersburgerstraße*	7:21	9:06
Immenstaad Rathaus*	7:37	9:22
Immenstaad Dornia*	7:40	9:25
Fischbach Hotel Maier*	7:43	9:28
Friedrichshafen Hotel Föhr/Albrechtstraße*	7:49	9:34
Arrival Entrance East/Ankunft Eingang Ost	8:00	9:45
Departure Entrance East/Abfahrt Eingang Ost	Tour 1	Tour 2
Wed-Fri/Mi-Fr 27.8.-29.8.	18:30	20:20
Sat/Sa 30.8.	18:30	

2 Hotel Shuttle Meersburg - Hagnau

Bus Stop/Haltestelle	Tour 1	Tour 2
Meersburg ferry station/Fähranleger*	7:30	9:00
Meersburg Kirche*	7:33	9:03
Meersburg Sabenheim*	7:35	9:05
Hagnau Mitte*	7:39	9:09
Arrival Entrance East/Ankunft Eingang Ost	8:00	9:30
Departure Entrance East/Abfahrt Eingang Ost	Tour 1	Tour 2
Wed-Fri/Mi-Fr 27.8.-29.8.	18:30	20:05
Sat/Sa 30.8.	18:30	

3 Hotel Shuttle Salem - Bermatingen - Markdorf - Oberteuringen - Ailingen

Bus Stop/Haltestelle	Tour 1	Tour 2
Salem Hotel Schwänen*	7:11	8:41
Salem Hotel Recks*	7:16	8:46
Salem Hotel Apfelblüte*	7:18	8:48
Bermatingen Markdorferstraße*	7:23	8:53
Markdorf Bahnhofstraße (Reisebüro Lippmann)*	7:28	8:58
Markdorf Hotel Wirthshof*	7:33	9:03
Markdorf Hotel Letze*	7:35	9:05
Oberteuringen Hotel Adler*	7:41	9:11
Ailingen Hauptstraße*	7:49	9:19
Ailingen Rathaus*	7:51	9:21
Arrival Entrance East/Ankunft Eingang Ost	8:00	9:30
Departure Entrance East/Abfahrt Eingang Ost	Tour 1	Tour 2
Wed-Fri/Mi-Fr 27.8.-29.8.	18:30	20:05
Sat/Sa 30.8.	18:30	

4 Hotel Shuttle Weingarten - Ravensburg - Meckenbeuren

Bus Stop/Haltestelle	Tour 1	Tour 2
Weingarten post office/Post*	7:17	8:47
Weingarten Charlottenplatz*	7:20	8:50
Weingarten Linde*	7:21	8:51
Ravensburg Marienplatz*	7:30	9:00
Meckenbeuren Hotel Wiesental*	7:42	9:12
Meckenbeuren Buch*	7:43	9:13
Arrival Entrance East/Ankunft Eingang Ost	8:00	9:30
Departure Entrance East/Abfahrt Eingang Ost	Tour 1	Tour 2
Wed-Fri/Mi-Fr 27.8.-29.8.	18:30	20:00
Sat/Sa 30.8.	18:30	

5 Hotel Shuttle Wangen - Neukirch - Tannau - Tettng

Bus Stop/Haltestelle	Tour 1	Tour 2
Wangen Hotel JUFA (formerly/ehemals Waltersbühl)*	7:00	8:45
Wangen Bahnhof*	7:05	8:50
Neukirch Rathaus*	7:23	9:08
Tannau*	7:30	9:15
Tettng Bärenplatz*	7:35	9:20
Tettng Seesstraße*	7:37	9:22
Arrival Entrance East/Ankunft Eingang Ost	8:00	9:45
Departure Entrance East/Abfahrt Eingang Ost	Tour 1	Tour 2
Wed-Fri/Mi-Fr 27.8.-29.8.	18:30	20:20
Sat/Sa 30.8.	18:30	

6 Hotel Shuttle Nonnenhorn - Kressbronn

Bus Stop/Haltestelle	Tour 1	Tour 2
Nonnenhorn Hotel Zum Torkel*	7:25	8:55
Nonnenhorn Hotel Haus am See*	7:30	9:00
Kressbronn Strandhotel Nonnenhorner Straße*	7:32	9:02
Kressbronn Hauptstraße*	7:35	9:05
Göhren Langenargenerstraße*	7:40	9:10
Arrival Entrance East/Ankunft Eingang Ost	8:00	9:30
Departure Entrance East/Abfahrt Eingang Ost	Tour 1	Tour 2
Wed-Fri/Mi-Fr 27.8.-29.8.	18:30	20:00
Sat/Sa 30.8.	18:30	

7 Hotel Shuttle Lindau Island/Insel

Bus Stop/Haltestelle	Tour 1	Tour 2
Lindau Bahnhof (Insel/Insel)*	7:12	8:47
Lindau Casino/Spielbank*	7:15	8:50
Arrival Entrance East/Ankunft Eingang Ost	8:00	9:35
Departure Entrance East/Abfahrt Eingang Ost	Tour 1	Tour 2
Wed-Fri/Mi-Fr 27.8.-29.8.	18:30	20:05
Sat/Sa 30.8.	18:30	

8 Hotel Shuttle Neuravensburg - Weißenberg - Lindau - Wasserburg

Bus Stop/Haltestelle	Tour 1	Tour 2
Neuravensburg Schwarzenbach*	6:59	8:34
Neuravensburg Gasthof Hirschen*	7:02	8:37
Weißenberg/Rehlingen B12*	7:09	8:44
Lindau-Reutin Rathaus*	7:12	8:47
Lindau Berlinerplatz/Lindaupark*	7:14	8:49
Lindau Aeschacher Hof*	7:17	8:52
Bad Schachen Kreuzung Schachenstr./Badstr.*	7:25	9:00
Wasserburg Bahnhof*	7:35	9:10
Arrival Entrance East/Ankunft Eingang Ost	8:00	9:35
Departure Entrance East/Abfahrt Eingang Ost	Tour 1	Tour 2
Wed-Fri/Mi-Fr 27.8.-29.8.	18:30	20:20
Sat/Sa 30.8.	18:30	

9 Hotel Shuttle Lindau - Oberdorf - Langenargen - Eniskirch

Bus Stop/Haltestelle	Tour 1	Tour 2
Lindau Casino/Spielbank*	7:15	8:50
Langenargen Oberdorf*	7:30	9:05
Langenargen Marktplatz*	7:40	9:15
Eniskirch-Moos Hotel St. Theresia*	7:50	9:25
Arrival Entrance East/Ankunft Eingang Ost	8:00	9:35
Departure Entrance East/Abfahrt Eingang Ost	Tour 1	Tour 2
Wed-Fri/Mi-Fr 27.8.-29.8.	18:30	20:10
Sat/Sa 30.8.	18:30	

10 Hotel Shuttle Dornbirn (Austria) - Bregenz (Austria) - Lochau (Austria)

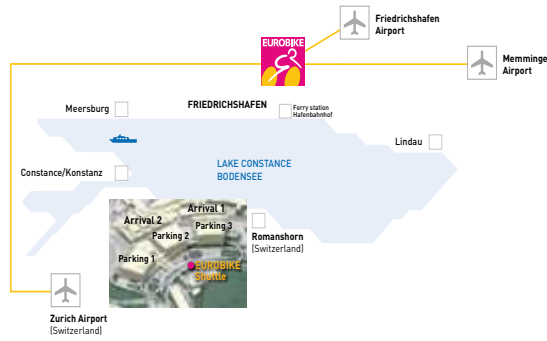
Bus Stop/Haltestelle	Tour 1	Tour 2
Dornbirn Rathaus (Marktplatzseite)*	6:30	8:50
Dornbirn Messekreuzung, KIKKA gegenüber Sheraton*	6:35	8:55
Bregenz Hotel Deutschmann*	6:55	9:15
Bregenz Bahnhofplatz*	7:00	9:20
Bregenz Hafen Inach Kreisverkehr bei HTL*	7:05	9:25
Lochau Seehotel am Kaiserstrand*	7:10	9:30
Arrival Entrance East/Ankunft Eingang Ost	7:45	10:05
Departure Entrance East/Abfahrt Eingang Ost	Tour 1	Tour 2
Wed-Fri/Mi-Fr 27.8.-29.8.	18:30	20:45
Sat/Sa 30.8.	18:30	

All timetables are also available on our website www.eurobike-show.com (Travel & Accommodation) or in our **EUROBIKE app**

naviki App: Use the free navigation app for Android and iPhone. naviki will always show you the best cycling route to the EUROBIKE. More information: www.eurobike-show.com

Airport Shuttle

Zurich, Friedrichshafen, Memmingen



ZURICH Airport/Flughafen - EUROBIKE

Departure Zurich/Abfahrt Zürich	8:00	9:00	10:00	11:00	12:00
26.8.					
27.8.	7:30	8:00	8:30	9:00	10:00
28.8.-29.8.	7:30	8:00	8:30	9:30	11:00
30.8.	8:00				

FRIEDRICHSHAFEN Airport/Flughafen - EUROBIKE

August 27-30/27. bis 30. August 2014

Bus Stop/Haltestelle	From/Von	Until/Bis
Airport/Flughafen	(8:00*) 8:30	every/alle 30 min 18:30 (19:00*)
EUROBIKE Entrance East/Eingang Ost	(8:10*) 8:40	every/alle 30 min 18:40 (19:10*)
Departure/Abfahrt		
EUROBIKE Entrance East/Eingang Ost	(8:15*) 8:45	every/alle 30 min 18:45 (19:15*)
Airport/Flughafen	(8:25*) 8:55	every/alle 30 min 18:55 (19:25*)

* Additional times August 27-29 | zusätzliche Zeiten von 27. bis 29. August
No need for booking. | Buchung nicht notwendig.

MEMMINGEN Airport/Flughafen - EUROBIKE

Departure Memmingen/Abfahrt Memmingen	9:00	15:30
26.8.		
27.8.-30.8.	8:00	10:00 13:00 16:00 19:00

Free Rental Bikes

During Eurobike a total of 500 rental bikes will be available at various locations — and they're free!

Visitors and exhibitors can make their way to the exhibition center easily and quickly. And what could be a more fitting way of arriving at the world's biggest bicycle show? In the evening, it's easy to get back to their starting point. Get in the Eurobike mode before you even reach the center. And the best thing about the bike rental service: it's free. For more details, see www.eurobike-show.com/eb-en/travel/bike.php

Rental Process

Call the Rental Hotline (24-hours daily from Aug. 27- to 30): +49 30 69205046. A credit card is required when booking. You'll receive a code to open a bicycle's lock. Off you go!

Rental Stations

- Exhibition Grounds Entrance West (staffed, open all day);
- ERIBA-City
- Camping Park;
- Main City Station
- Harbour Station
- Airport /DB stop

Friday: After-Party Shuttle

Why worry about how to get back to the hotel when you'd rather be partying?

Relax. On Friday, Aug. 30, Eurobike organizes a free After Party Shuttle Service. There will be four bus routes: Überlingen, Oberteuringen, Weingarten and Bregenz, Austria. Shuttles start at 0:30 from Entry West.

Airport & Train/Ferry Shuttle

At left is a table for bus shuttled running from Zurich Airport, Friedrichshafen Airport and Memmingen Airport to Eurobike and back. For Zurich & Memmingen booking during the show at the information desk foyer East

Ferry Services

You can also reach Eurobike by ferry across beautiful Lake Constance.

The Lake Constance ferry ("Boden-seefähre") connects Konstanz, southwest of Lake Constance, with Meersburg, east of Friedrichshafen. Or you take the catamaran from Konstanz directly to Friedrichshafen. Finally there is also a connection between Romanshorn, Switzerland, south of Lake Constance, to Friedrichshafen. Below are the schedules.

FERRY | BODENSEEFÄHRE Constance Stadt/Konstanz Stadt - Meersburg

Departure/Abfahrt Konstanz	From/Von	Until/Bis
Mon-Fri/Mo-Fr	00:05 every/alle 60 min	06:05
	06:35 every/alle 15 min	20:50
	21:05 every/alle 30 min	23:05
Sat-Sun/Sa-So	00:05 every/alle 60 min	06:05
	06:35 every/alle 30 min	07:05
	07:35 every/alle 15 min	20:50
	21:05 every/alle 30 min	23:05

Duration of the journey approx. 15 min. Subject to a charge. | Fahrzeit ca. 15 min. Kostentpflichtig. www.bsb-online.com

CATAMARAN | KATAMARAN Constance/Konstanz - Friedrichshafen

Departure/Abfahrt Konstanz	From/Von	Until/Bis
Mon-Fri/Mo-Fr	06:02 every/alle	19:02
Sat-Sun/Sa-So	08:02	60 min 19:02

Departure/Abfahrt Friedrichshafen Ferry Station/Hafen

Mon-Fri/Mo-Fr	00:35 every/alle	19:02
Sat-Sun/Sa-So	08:02	60 min 19:02

Friday and Saturday additional departures from Friedrichshafen / Freitag und Samstag zusätzliche Abfahrt von Friedrichshafen: 20:02/22:02
Duration of the journey approx. 52 min. Subject to a charge. | Fahrzeit ca. 52 Min. Kostentpflichtig. www.der-katamaran.de

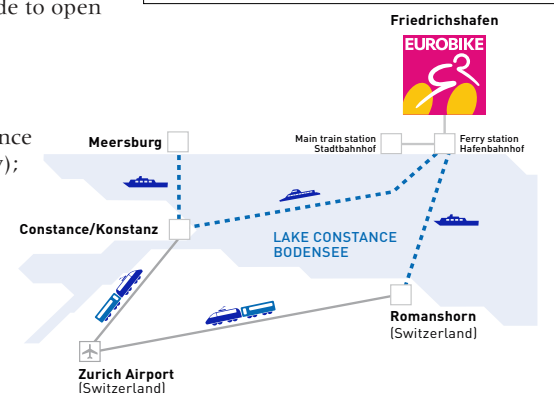
FERRY | BODENSEEFÄHRE Romanshorn - Friedrichshafen

Departure/Abfahrt Romanshorn	From/Von	Until/Bis
Mon-Fri/Mo-Fr	05:41 every/alle	20:36
Sat-Sun/Sa-So	07:36	60 min 20:36

Departure/Abfahrt Friedrichshafen Ferry Station/Hafen

Mon-Fri/Mo-Fr	05:41 every/alle	20:41
Sat-Sun/Sa-So	07:41	60 min 20:41

Duration of the journey approx. 41 min. Subject to a charge. | Fahrzeit ca. 41 min. Kostentpflichtig. www.bsb-online.com





- 1 **Schlosskirche** – The palace church is the landmark of Friedrichshafen with its two 55 m high domed towers made from Rorschach sandstone. **Visiting times:** from Easter to mid-October, Mon-Thurs 9:00-18:00 and Fri 11:00-18:00. Closed for visits: during church services and wedding ceremonies. **Info:** Tel. +49 (0) 7541 21308, www.schlosskirche-fn.de
Schloss – The palace is now residence of Friedrich Duke of Württemberg (no inside viewing possible)
- 2 **Graf-Zeppelin-Haus** – Culture and Congress Center. **Info:** Tel. +49 (0) 7541 288-0, www.gzh.de
- 3 **Schulmuseum – School museum** – From convent schools to present schools – more than 1,000 years of school history. **Opening hours:** April to Oct. daily 10:00-17:00 / Nov. to March Tues-Sun 14:00-17:00. **Info:** Tel. +49 (0) 7541 32622, www.schulmuseum-fn.de
- 4 **Uferpromenade – Lakeside promenade** – Attractive lakeside promenade on Lake Constance.
- 5 **Post – Post office**
- 6 **Zeppelin Denkmal** – Monument, created by the sculptor Professor Toni Schneider-Manzell.
- 7 **Stadtbahnhof** – Main train station
- 8 **Tourist-Information – Opening hours:** May, June and Sept. Mon-Fri 9:00-12:00 and 13:00-18:00, Sat 9:00-13:00 / July and Aug. Mon-Fri 9:00-18:00, Sat 9:00-13:00 / April and Oct. Mon-Thurs 9:00-12:00 and 14:00-17:00, Fri 9:00-12:00 / Nov. to March Mon-Thurs 9:00-12:00 and 14:00-16:00, Fri 9:00-12:00. **Info:** Tel. +49 (0) 7541 3001-0, www.friedrichshafen.info
- 9 **Zeppelin Brunnen** – Zeppelin fountain – In the year 2000, the 100-year anniversary of the Zeppelin, the fountain was reconstructed according to the original, built in 1909.

- 10 **Musikmuschel** – Music pavilion – Promenade concerts during the summer months, Sun at 10:30. **Info:** Graf-Zeppelin-Haus, Tel. +49 (0) 7541 288-0, www.gzh.de
- 11 **Klangschiff** – After its long journey to Sarajevo, the twin town of Friedrichshafen, the Klangschiff (boat of sound), which was created by the Breisgau artist Helmut Lutz, finally dropped anchor at Friedrichshafen.
- 12 **Bootsvermietung** – Boat rental – Ganoes, electric and motor boats, pedalos **Info:** Boot und Spass GmbH, Tel. +49 (0) 7541 289632, +49 (0) 176 80245306, +49 (0) 160 2501606, www.bootundspass.de. **Info:** Bootsvermietung 'Fluck', Tel. +49 (0) 7541 21746, +49 (0) 171 6509249, www.bootsvermietung-friedrichshafen.vpweb.de
- 13 **Panoramatafel** – Panoramic display board – The alpine panorama at a glance. On a four meter long viewing board on the promenade you see the panoramic view from the Rätikon mountains to the Bernese Alps.
- 14 **Nikolauskirche** – Nicolas church – The Nicolas church was first mentioned as a chapel in 1325. The church was destroyed in 1944, and reconstructed from 1946 to 1949. The present interior design is from 1987.
- 15 **Rathaus** – Town hall – Right in the centre of town. Newly built in 1954-56 by the architects Tiedje and Kresse.
- 16 **Buchhorn Brunnen** – Buchhorn fountain – Designed by the artist couple Rumpf in 2001. The stylized tree, a beech tree together with a horn lying in the fountain basin, symbolizes the word "Buchhorn", the original name of Friedrichshafen.
- 17 **Rundfahrten** – Round trips (half hour) – on the on the nostalgic "Seeschwalbe" boat from Easter to late September at weekends and during school holidays (only in good weather). **Info:** Tel. +49 (0) 7551 916904, www.seeschwalbe-fn.de
- 18 **Moletturm** – Enjoy the unique panoramic view over Lake Constance and the alps from the 22 m high viewpoint tower at the boat harbour. A panorama display board gives you a detailed overview.

- 19 **Medien- und Geschäftshaus k42** – Town library with focus on new media, cabaret stage.
- 20 **Hafen** – Harbour for ferry, boat, catamaran – Round trips and regular routes during the sea son. Ferry to Romanshorn and catamaran to Constance all year round. **Info:** Bodensee-Schiffsbetriebe GmbH, Tel. +49 (0) 7541 92380, www.bsb.de
Catamaran – Reederei Bodensee GmbH & Co. KG, Tel. +49 (0) 7541 9710900, www.der-katamaran.de
- 21 **Zeppelin Museum** – The world's largest exhibition on the history of airship navigation as well as an important collection on art in Southern Germany. **Opening hours:** May to Oct. daily 9:00-17:00 / Nov. to April Tues to Sun 10:00-17:00. **Info:** Tel. +49 (0) 7541 38010, www.zeppelin-museum.de
- 22 **Hafenbahnhof / Busbahnhof** – Harbour train station / bus station
- 23 **Volkshochschule** – Adult education centre
- 24 **Cineplex Friedrichshafen** in the Bodensee Center, Meistershofener Straße 14, www.cineplex.de
- 25 **Bodensee Center** – Meistershofener Straße 14, www.bodensee-center.de

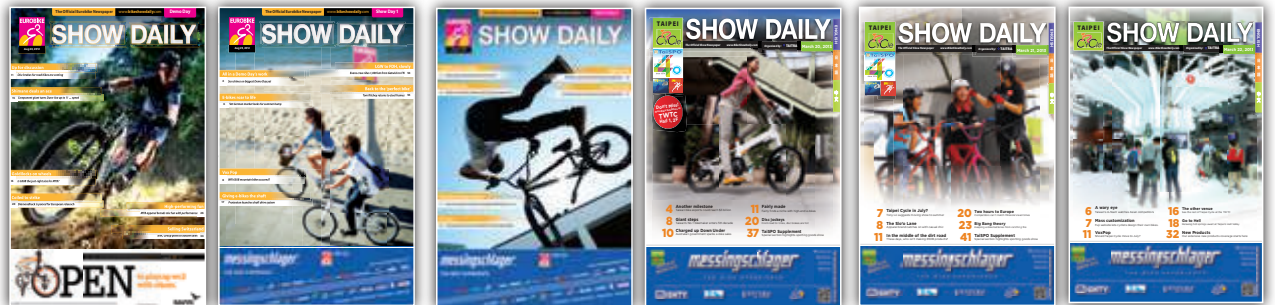
Further addresses (not indicated on map of town centre)

- Dornier Museum Friedrichshafen** – 100 years of fascinating aviation and aerospace industry. Claude-Dornier-Platz 1, Tel. +49 (0) 7541 4873600, www.dorniermuseum.de
Opening hours: May to Oct. daily 9:00-17:00 / Nov. to April Tues to Sun 10:00-17:00.
- Flughafen Friedrichshafen GmbH** – Friedrichshafen Airport – Am Flugplatz 64, Tel. +49 (0) 7541 284-0, www.fly-away.de
- Messe Friedrichshafen GmbH – Trade fair centre** – Neue Messe 1, Tel. +49 (0) 7541 708-0, www.messe-friedrichshafen.de
- Zeppelinflüge – Zeppelin flights** – Deutsche Zeppelin-Reederei GmbH, Messestraße 132, Tel. +49 (0) 7541 5900-0, www.zeppelinflug.de

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