



SHOW DAILY

WELCOME TO DEMO DAY

See p.23 for maps and event guide!



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From zero to 50 — on an e-bike!

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Cycling apparel that shouts 'look at me'

30 **Fresh and tasty**
See the best of what's new at Eurobike

Visit and test ride a Tern bike at *Booth DD-113.*



RAPID TRANSIT.

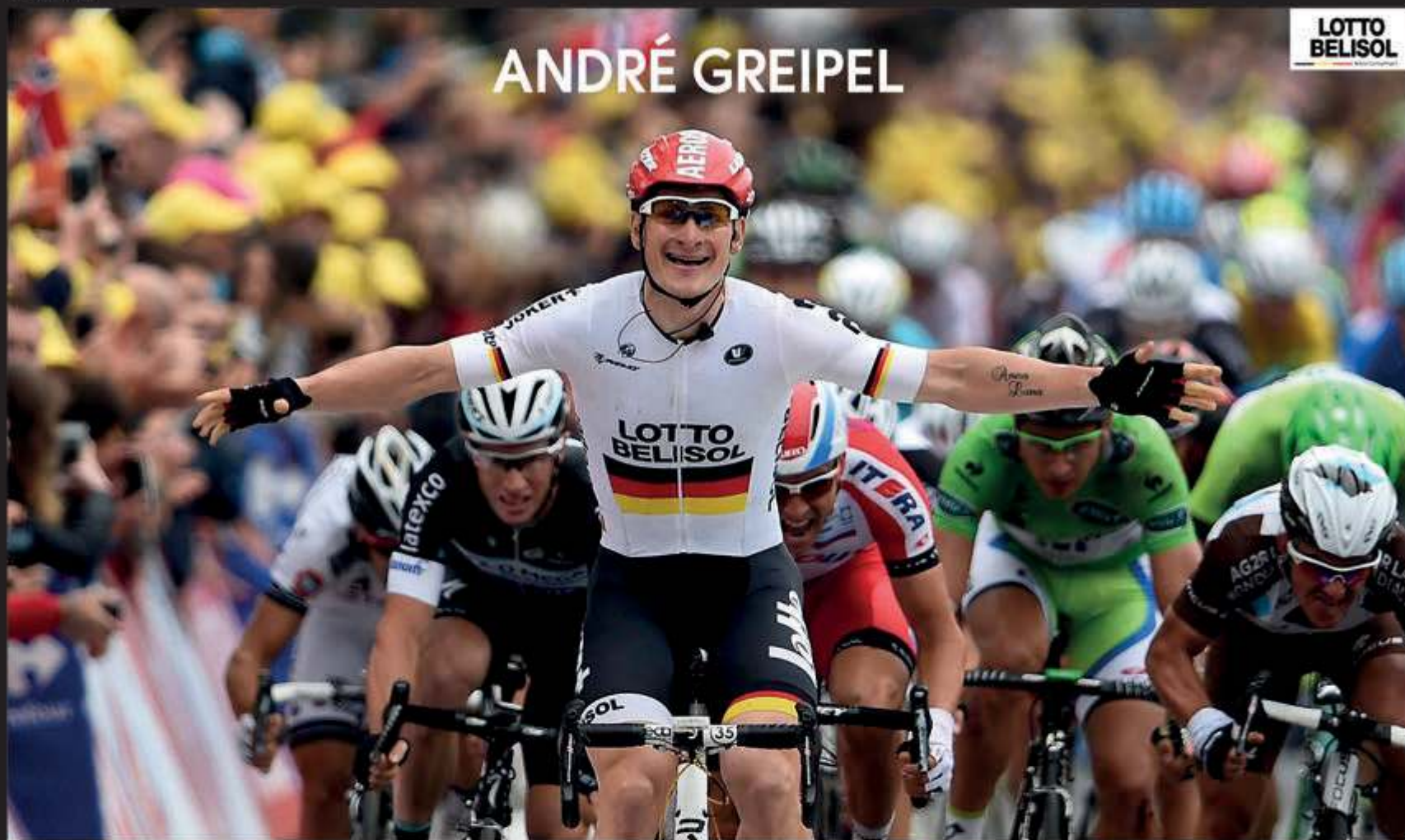
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RIDER INFO

ANDRÉ GREIPEL

LOTTO
BELISOL



RIDERS INFO



AGE:
35 - 40



SENSITIVITY
TO PRESSURE:
LOW



BODY TYPE:
ENDOMORPH



DELTA SADDLE TO
HANDLEBAR:
MEDIUM



RIDING STYLE:
FLAT

SUGGESTED SADDLE

DIMA



FLAT



WIDE



REGULAR

Regale



WIDE



NEW



NEW

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



Events

10 a.m. – 5 p.m.
Demo Day, Parking Lot East

9 a.m. Giant/Liv Media Breakfast
Conference Center East, Room Bern

Be one of the first to see and report on Giant and Liv's 2015 products. After a brief breakfast presentation, test ride a selection of 2015 models on the Demo Day test courses.

9:30 a.m. Eurobike Industry
Discussion Panel
Conference Center East,
Room Berlin and Paris

Join Eurobike and industry leaders for the annual presentation of facts and figures from the German and international bicycle industry. The one-hour discussion will include simultaneous German-English translation. Speakers include Wolfgang Köhle, Messe Friedrichshafen; Siegfried Neuberger, ZIV; Georg Honkomp, ZEG; René Takens, Accell Group; Claus Fleischer, Bosch eBike Systems; and Stefan Reisinger, Head of Eurobike.

All day

Tern

Take a Tern bike for a demo and Tern will give you a new Tern T-shirt.



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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-0121** — 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.

NOTE: Stand numbers in this Demo Day issue refer to the main Eurobike show.

Cover photo: Courtesy of Maxx Bikes/Manfred Stromberg

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Welcome to a bigger and closer Demo Day

Welcome to the first Demo Day to be staged on the Eurobike grounds! Today's event — the biggest and most convenient Demo Day in Eurobike's history — runs from 10 a.m. to 5 p.m. in the East Parking Lot.



Dirk Heidrich (left) with Demo Day coordinator Sarah Kammerer

Visitors will find about 20km (12 miles) of well-marked paved roads and 4km (2.5 miles) of mountain bike trails — and hundreds of bikes to ride on them. One 4km route takes cyclists to a scenic overlook that offers gorgeous views of the Alps and Lake Constance.

For mountain bikers, Eurobike has built an entire Mountain Bike Test Area that includes a pump track and Flow Country and enduro trails.

A parking lot may lack some of the charms of the rustic Argenbühl countryside, the region where Eurobike had hosted Demo Day for several years. There are no cows grazing placidly in lush green fields, and officials don't expect the traditional visit from the cheese queen.

But today's Demo Day has one big advantage over Argenbühl — the location is a lot more convenient for Eurobike visitors and exhibitors.

"Last year we had 105 exhibitors, and this year 147. That's an increase of 40 percent," said Dirk Heidrich, the Eurobike project manager. "That is a great indication for us that, for exhibitors, it was the right step."

Stefan Reisinger, who oversees Eurobike and its sister show, OutDoor, said Argenbühl's distance — getting there was a one-hour drive — had put a damper on attendance.

"Many companies wanted to join but did not have the possibility to do a second exhibition in Argenbühl, because logistics-wise it was a big effort," he said.

Some exhibitors agreed.

"Demo Day at the fairground makes everything much easier," said Marcel Hollenberg of Giant Germany. "Demo Day in Argenbühl required a commitment of too many human resources and created too many hassles. It was just too much for a one-day event."

"Logistics-wise this for all of us is much better," added Bernd

Adamski, general manager of Marin Germany. "Argenbühl was difficult to reach. Due to the traffic it took one and a half hours to get there from Friedrichshafen."

Perhaps the biggest question on exhibitors' minds is the quality of the new mountain bike trails.

"For 'real' mountain bikers, the trails around Argenbühl were not nearly enough," said Thorsten Lewandowski, PR manager for Merida & Centurion Germany. "It's more difficult to prepare good mountain bike trails at the fairground."

Eurobike officials say that the mountain bike trails may not be single-track heaven, but should provide plenty of testing opportunities.

"We spent quite an amount of money and time to offer a super mountain bike setup very close to the demo day test place," Reisinger said.

In fact, building the trails was one of the biggest challenges of relocating Demo Day, Reisinger and Heidrich said.

The trails sit on parcels of land that are owned by the state of Baden-Württemberg, the city of Friedrichshafen, and private landowners. "Getting permission from the authorities to use that area and make it into a mountain bike track was quite a process," Reisinger said.

The new venue poses another logistical challenge: The Demo Day site has to be completely cleared by tomorrow morning so it can be turned back into a parking lot. The usual flood of visitors will be coming to attend the first day of the floor show.

Reisinger said staffers will work through the night to prepare the lot for tomorrow. "That is a logistics issue, and not an easy one, but we are pretty sure that we will get it done," he said. ■ DM/JB

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Demo Day Briefs

Get the lowdown on industry stats at Eurobike panel

Find out the latest market trends and statistics at Eurobike's annual industry discussion panel this morning. The conversation kicks off at 9:30 a.m. in Rooms Berlin and Paris in Conference Center East. The one-hour discussion will be in German and English, and simultaneous translations will be provided.

Leaders of the German and European bicycle industry will be on hand to review the season and give their outlooks for the year ahead.

Speakers include Claus Fleischer, head of the Bosch eBike Systems product division; Bernd-Uwe Gutknecht, a sports reporter from the German television network ARD; Georg Honkomp, chairman of the German buyer's group ZEG, which is making its debut at Eurobike; Siegfried Neuberger, manager of Zweirad-Industrie-Verband (ZIV), the German bicycle industry association; Stefan Reisinger, head of Eurobike; and René Takens, CEO of the Accell Group.

Wolfgang Köhle, a spokesman for Messe Friedrichshafen, will open the discussion.



Siegfried Neuberger

Giant Livs it up at this morning's media breakfast



Liv Lust 1

Giant is living large at its traditional Demo Day press breakfast this morning: Taiwan's No. 1 bicycle manufacturer is launching its women's line, Liv, as a stand-alone brand here at Eurobike.

Giant and Liv officials will serve up a light breakfast starting at 9 a.m. in Room Bern (Conference Center East), followed by presentations on the Giant and Liv 2015 road and off-road products.

After the briefing, it's a short walk to their Demo Day booth, where the media can test ride the products in question.

See an eclectic range of bikes at Gates DD booth

Gates Carbon Drive is showing an eclectic range of bikes at its Demo Day booth, and tomorrow at the show, to demonstrate that its belt drive system is adaptable enough to work on almost any kind of bicycle, from pedelecs and fixies to mountain bikes, folding bikes, fatties, trekking bikes and commuters.

"We are proud that Gates belts are being used on so many different styles of bikes," said Todd Selden, director of Gates Carbon Drive Systems. "Our motto for Eurobike 2014 is 'Belted the World's Best Bikes and e-bikes.'"

E-bikes are a special focus for Gates, which is eager to show that its belt drive system is compatible with just about all of the existing and new e-bike motors that are on display at the show, including Bosch, Panasonic, Yamaha, Impulse, MPF, SIMBB, Go SwissDrive, Höganäs and BionX. Gates is working with Shimano to offer a compatible belt drive for its Steps system in 2015.

Gates is also launching a sonic tensioning app for Android, similar to one already available for the iPhone, that lets users "tune" belt tension by plucking it like a guitar string.

At its Demo Day booth and at the show, Gates will show bikes from Canyon, Stevens, Grace, Biomega, Ibis, Idworx, Flitzbike, Nicolai, Schindelbauer, Overlap, Dvoika, Faraday and Electrolyte.

Take a turn on a Tern, and take away a T-shirt

Tern is so bullish on their 2015 bike line that they're offering a can't-miss deal: Take any Tern bike for a test ride today and they'll give you the shirt off their backs — okay, maybe not off their backs, but they will give you a T-shirt.

It's a good opportunity to test Tern's first electric folding bike, the eLink. It's small enough to be brought aboard most mass transit systems without restriction. The eLink uses a 250W Bafang mid-drive motor, and its 36V, 374Wh battery is big enough to get riders up to 50km (31 miles) on a single charge.

Or try out the new Verge S27h trekking and touring bike; the Verge X18, a fast drop bar bike; or the fun Eclipse Uno.



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Vaude turns Eurobike trips into summer camp

Many Eurobike visitors would kill to find accommodations within 15 kilometers (9 miles) of the show. Now they can, as long as they are Vaude retailers or business partners. Even better, it's free. The only catch is that they have to sleep in tents.



Vaude's Tent City isn't fancy, but it is free.

Known as Tent City, the campground is hosted by Vaude, the maker of mountain sports gear. Vaude, which is celebrating its 40th anniversary this year, has for years set up Tent City for visitors to the OutDoor trade show, Eurobike's sister show in July.

This is the first time Vaude has offered Tent City during Eurobike.

"At this year's OutDoor show we had a total of 70 tents out there with a total of approximately 120 people. For this year's Eurobike we have about 35 tents. It's a start," said Bozena Volmer, Vaude's trade marketing manager who also oversees Tent City.

Volmer said Vaude offers the free camping to its retailers and partners because "we are an outdoor company and like to represent ourselves like this. Moreover, our bicycle division is a big piece of our business," she added. "More and more dealers asked us if we would be able to open Tent City during Eurobike."

Eurobike show managers are happy for the extra accommodations because housing is always a challenge during the packed show, which brings more than 45,000 visitors.

"The decision for Vaude Tent City at Eurobike was not made in cooperation with Messe Friedrichshafen, but for sure we informed them about it," Volmer said.

Stefan Reisinger, who oversees the OutDoor and Eurobike shows, said he and his team appreciate any help with housing during the show.

"And we know from OutDoor that many retailers like this authentic overnight experience," Reisinger said. "For them, Vaude Tent City has already become a tradition."

Vaude sets up Tent City on a beautiful large meadow next to its headquarters in Obereisenbach, near Tettwang.

Campers who bring their bikes can get to the trade show faster and in a more ecologically friendly way because they won't get stuck in traffic. Eurobike offers a guarded parking area for bikes.

Along with a place to lay one's head, Vaude offers showers and bathrooms, and serves up a hearty breakfast for a good start to a long day at the show. Retailers staying at Tent City have to make reservations in advance through the company's sales reps. ■ JB

More commuters can take a Tern on transit

Folding bikemaker Tern has entered into partnerships with three more German public transit agencies, expanding the use of folding bikes on buses, trains and other forms of transit.



The new agreements include agencies in the Lake Constance area: Bodo, Naldo and Ding; RMV in greater Frankfurt; and Stadtwerke Augsburg in the city of Augsburg.

The partnerships expressly allow commuters to carry folding bikes

on transit vehicles, including buses, during rush hour.

Other partners are the German national cyclists' association, ADFC, and Tern's German distributor, Hartje. Many transit agencies throughout southern Germany now participate.

A Tern spokesman said cyclists can receive discounts ranging from €50 to €200 (\$70 to \$270) on a new Tern Link D7i or Link D8 bike. Other benefits range from a one-year AFDC membership to free tools, bags or maps. ■ DM



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Faster than a speeding S pedelec, more powerful than most motors

What's faster than an S pedelec? The S pedelec is a special type of electric bicycle that goes up to 45 kph (28 mph) and requires an official license.



M1 Sporttechnik Spitzing R-pedelec

Here at Eurobike, two high-tech Bavarian companies are combining to push the limits of pedelecs with the debut of what they call an "R," or "race" pedelec. Called the Spitzing, it's a full-suspension e-mountain bike that goes from zero to 50 kmh in eight seconds. The Spitzing tops out at a maximum speed of 75 kph — nearly 47 mph!

Of course, there isn't an official category for an "R pedelec" because such speeds aren't legal in Europe for a pedal-

assist bike. But the bike exists to prove a point, said Robert Wittmann, CEO of Spitzing creator M1 Sporttechnik.

"With the R-pedelec we just want to show what is technically possible," Wittmann said.

M1 Sporttechnik designed the 27.5-inch bike; the muscle behind it is an innovative motor from TQ Systems.

Wittmann said the Spitzing — which visitors can try out here at Demo Day — will be offered in legal versions as well.

The bike's name is taken from a lake and ski resort in the Bavarian mountains.

"The Spitzing will be also offered as a pedelec with a speed of up to 25 kph, and as an S pedelec for up to 45 kph," he said.

TQ Systems had been a supplier to Clean Mobile, a German company that made an e-bike drivetrain. When Clean Mobile went bankrupt in 2012, TQ System acquired its assets.

TQ System developed the innovative "pin ring" drive that is the heart of the motor. It uses a technology that TQ calls Harmonic Pin Drive, or HPD for short.

"HPD offers a much higher power density when compared with other drivetrains such as planetary systems. More power density means higher torque and higher performance," said Angelika van der Straaten, who heads the e-mobility division at TQ Systems. "This goes hand in hand with reduced dimensions for the product, leading to a more compact system."

The motor uses a unique and patented design that is quite different from more traditional systems used by Bosch, Brose and Panasonic, according to company officials.

The motor drives an inner gear wheel that in turn powers an outer gear wheel, to which the pedals are attached. But

instead of transferring power through traditional cogs, power from the inner to the outer gear wheel is transmitted through a ring of small pins. The inner and outer gear wheels do not come in contact.

The result is high performance and high torque in small space. TQ Systems says its motor achieves an efficiency of more than 80 percent throughout its power range of 150 to 800 watts.

The compact and almost noiseless TQ motor weighs just over 4.4kg (9.7 lbs). It provides 120 Nm of torque and maximum power output of 850 watts.


The Spitzing, made in Germany with a carbon fiber monocoque frame, offers 150mm of front and rear suspension.

M1 Sporttechnik is a subsidiary of the Fritzmeier Group, which is known in the sporting goods industry for making the first plastic skis and for co-founding Mistral snowboards.

Its primary business is making driver's cabs for construction equipment, fork-lift trucks and agricultural machines. It also makes carbon fiber components for BMW's new line of electric cars. ■ JB



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Now you can demo some of the Ones

What was a prototype at Sea Otter, the big U.S. bikefest, is now a reality at Eurobike. Open Cycle is making the first production models of its much-anticipated One hardtail mountain bike available for testing today at Demo Day.

Unfortunately, not everyone will get to ride one of the Ones. The company has only large sizes available for testing.

Although they aren't here at Demo Day, Open planned to show two new carbon prototypes at its Eurobike booth starting tomorrow.

One is a gravel bike frame that will be made by AX

Lightness (which makes the One hardtail frame).

The second is a full-suspension One frame made in Spain by U.S. carbon wheel expert



Andy Kessler (left) and Gerard Vroomen

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Open co-founder Andy Kessler, the former general manager of BMC, said the new gravel bike is "generally speaking, a mixture of a road bike and a mountain bike."

He said riders would be able to use either 700c wheels, for a road/gravel/cyclocross bike, or 27.5-inch wheels for a mountain bike.

The full-suspension bike will be available in two options: a bike with a 29-inch front wheel and 27.5-inch rear wheel, offering 120mm of front and rear travel; and a 27.5-in version with 130mm front and 120mm rear travel.

With Open, Kessler and his partner, Cervélo co-founder Gerard Vroomen, are trying to promote an idea that is almost revolutionary for carbon bikes — foregoing manufacturing in Asia in favor of making carbon frames closer to the market in Europe or North America.

On the company's website, Vroomen and Kessler laid out their vision for Open.

"When we launched Open Cycle, we decided to produce our first frame in China. Not that there is anything wrong with that; It was simply the place where we had all our connections," Vroomen said.

But he and Kessler have since changed their approach.

"We believe that, long-term, production will be closer to us and our main markets in Europe and North America," he added.

That is one reason they went to AX Lightness, a German carbon fiber manufacturer, to make the One hardtail frame that's here at the demo.

"Germany is like a candy store for engineering. There are all these small companies who are world leaders in one little thing," Vroomen said.

The Open founders believe local manufacturing is much more responsive than ordering frames from Asia.

"Ordering three months in advance, plus a month on a boat in a seasonal business is terrible," Vroomen said.

"Even if you know right away in March that you need to order more, you won't see those frames until August when the season is over."

Vroomen added, "The most expensive frame is the one you never get to sell because you didn't have it on time."

Of course, price becomes a huge issue when one is no longer manufacturing in Asia. Vroomen estimates that the cost of a German-made carbon frame is five times that of a Chinese frame.

"That's the bad news," he said. "The good news is that the frame is truly amazing. The other good news is that we are confident that we can slowly streamline our production process until we get to a 2x figure. It may take us ten years to achieve it, but that's okay. We're in this for the long ride." ■ JB

HALL B4 STAND 405

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Good weather, low duties boost ASI Europe sales

Advanced Sports GmbH — better known as ASI Europe — is reaping the benefits of many years of restructuring. “We are now harvesting what we have built up over the last few years,” said Armin van Hoogstraten, general manager of ASI Europe.

With ASI's leading Fuji brand, van Hoogstraten said he aims to reach sales of 100,000 units a year within three years, up from about 60,000 units today.

ASI Europe's parent company, Advanced Sports International (ASI), bought the subsidiary in 2009. The European company, formerly known as Twin Sport, had been ASI's European sales agent.

ASI, based in the U.S. city of Philadelphia, owns the Fuji brand and is tightly linked with Taiwan's No. 3 bicycle manufacturer, Ideal Bike Corporation. Ideal owns 17 percent of ASI.

Patrick Cunnane, president and CEO of ASI, said ASI Europe accounts for a little more than 20 percent of sales but is growing quickly.

Within three years, Cunnane said, ASI sales in Europe and Asia should account for half of the company's revenues, up from 35 percent today. And the company just expanded to another continent with a new sales office in Durban, South Africa.

Van Hoogstraten founded Twin Sport and remains a minority shareholder in ASI Europe. Twin Sport began distributing Fuji in 1998, the year ASI acquired the traditional Japanese bike brand.

“When we started with Fuji it had just been taken over and reorganized by ASI. In those days the Fuji brand was already sold in the USA, but there were zero sales in Europe,” van Hoogstraten said.

The manufacturing partnership is crucial because Ideal produces almost all ASI bikes in its factories in China and Taiwan, as well as in an assembly plant in Poland.

Cunnane said a combination of factors is boosting ASI Europe's sales. Apart from good weather in Europe — “probably the most important” — ASI Europe is making its high-end bikes in Poland, for quick response to European demands.

He added that ASI Europe can also import Chinese-made bikes at much lower prices. The European Union

recently exempted Ideal from paying a 48.5 percent anti-dumping duty that it imposes on most Chinese-made bikes.



Cunnane said the exemption should especially benefit its SE brand of BMX and other lower-priced bikes, which currently account for about 5 percent of ASI Europe's sales.

“We expect to see a real surge in SE distribution,” Cunnane said. “We're incredibly more competitive there — I'm talking to the tune of 25 percent at the lower price points. We're really looking forward to some growth.”

Today, ASI Europe sales are concentrated mostly on the company's Fuji and Breezer brands — about 70 percent for Fuji and 25 percent for Breezer.

ASI also owns Oval Concepts, a parts brand, and Kestrel, a bike brand focused in the triathlon market.

Van Hoogstraten said ASI Europe's growth had suffered because of setbacks at Ideal's original factory in Poland. With the completion of a new Ideal factory in Kutno, Poland, he said the company has resolved its production issues.

“Generally speaking, all fender-equipped bicycles are assembled by Ideal Europe in Poland,” he said. “In addition, in the past one and a half years we have moved production of the entire high-end Fuji line for the European market to Poland. That saves us a 14 percent import duty. We pass these savings directly to our customers.”

In Europe, the Breezer brand focuses on city and hybrid bikes, particularly in the German-speaking market. Breezer sales have been ticking up in Europe — and van Hoogstraten expects them to increase more with a new line of Breezer e-bikes that it is showing here at Demo Day and at the show.

Fuji is also debuting e-bikes, designed for the European market, for the 2015 model year. ■ JB / DM

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Armin van Hoogstraten (Photo: JB)

Gearheads

Pinion pins hopes on 3 new gearboxes

It's taken awhile for cyclists to be convinced of the benefits of gearboxes. Many suppliers have tried to bring them to market, but their complexity and bulk have proven challenging.



From left: Pinion's Philip Plagens with founders Christoph Lermen and Michael Schmitz.

Pinion GmbH is an exception. The German company is proving that gearboxes can be a viable alternative to conventional derailleurs.

"Our search for the ideal bike transmission did not start with the CAD program but on the trail," said Michael Schmitz and Christoph Lermen, Pinion's founders and co-CEOs. "As passionate bikers and engineers we could not ignore the vulnerability of traditional derailleur gearing systems for long. Out of every instance of chain suck, every bent derailleur and every painstaking post-ride bike washing grew the idea that there must be a better gearing solution for bicycles."

Pinion has made its name with its P1.18 gearbox, which connects two transmission structures inside of a

single unit — a 3-speed and a 6-speed transmission. They are connected in series to provide 18 evenly spaced gear ratios. The P1.18 has become especially popular on high-end touring bikes and mountain bikes.

At Eurobike, Pinion is launching three new gearboxes alongside the P1.18, giving it a family of products instead of a single gearbox. Pinion planned to offer test rides using the new gearboxes during Demo Day.

While officials hadn't named the new gearboxes at press time, they said one would offer 12 gears with a 600 percent total gear ratio and two would be 9-speed transmissions, with a 568 percent and a 364 percent gear ratio, respectively.

The company believes the new products will spur acceptance of

gearboxes in more types of bikes, including mountain bikes, urban bikes and pedelecs.

"We don't want to limit any of our gearboxes to one category only," Schmitz said. "As today's cyclists have different individual requirements there can be overlaps. All we are doing is giving recommendations on which gearbox fits best to what category."

Pinion says its original P1.18 gearbox has a service life of more than 60,000 kilometers (37,000 miles). Good luck putting those miles on your bike.

Compact, durable and virtually maintenance-free, the P1.18 is protected by a sealed housing and is securely and centrally integrated on the bicycle frame. The gearbox weighs 2.7kg (less than 6 pounds).

The P1.18 can't be retrofitted to a regular bike; manufacturers have to design the frame around the gearbox. To date, nearly 50 bicycle and frame suppliers offer Pinion-equipped models.

Pinion's first customers were mostly smaller, high-end boutique brands, but larger brands including Stevens and Koga have since stepped in.

Schmitz and Lermen started Pinion in 2006 when the two young engineers left the gearbox and engine development department of Porsche, the Stuttgart, Germany, automaker.

"We thought that the automotive technologies and standards we had learned could also apply to gearing systems for cycles. That was the spiritual birth of Pinion," they said.

The two launched the first prototype at the 2010 Eurobike. By the following year 12 bike brands offered Pinion-equipped models. Pinion also introduced its concept for a unit that used an electric motor.

Production of the P1.18 began in July 2012.

"All components of our gearboxes

are manufactured in Germany, mainly by suppliers near our headquarters in Denkendorf, in the Stuttgart metropolitan area," said Philip Plagens, Pinion's sales manager.

An automotive company makes the gears and shaft for the P1.18, but assembly and quality control are done in Pinion's own factory.

Shortly after launching the gearbox, Pinion introduced several other accessories such as a shifter and different sprockets for belt drives, chainrings, hubs and cranks.

Plagens said the accessories allow Pinion to offer what is essentially an entire drivetrain that allows different types of users to make the best use of the P1.18.

While some Pinion accessories, such as shifters, cranks and front chainrings or belt sprockets, have to be used with the gearbox for compatibility, Plagens said users can choose to use Pinion hubs or standard hubs.

"With these single-speed hubs, the user can gain the highest benefit from our system, which is the possibility to have lighter and stiffer rear wheels through wider and symmetric hub flanges in combination with a shorter freewheel body and the necessity of just one single-speed sprocket on the rear wheel," he said.

He noted that with Pinion's selection of chainrings, sprockets, and different-sized crank arms, "we now cover virtually all customer requirements."

Plagens said Pinion is expanding its reach into other parts of the bicycle market.

"On a smaller scale, but continuously growing, our gearboxes are also used on pedelecs, urban and commuter bicycles as well as recumbents and cargo bicycles," he said. ■ JB



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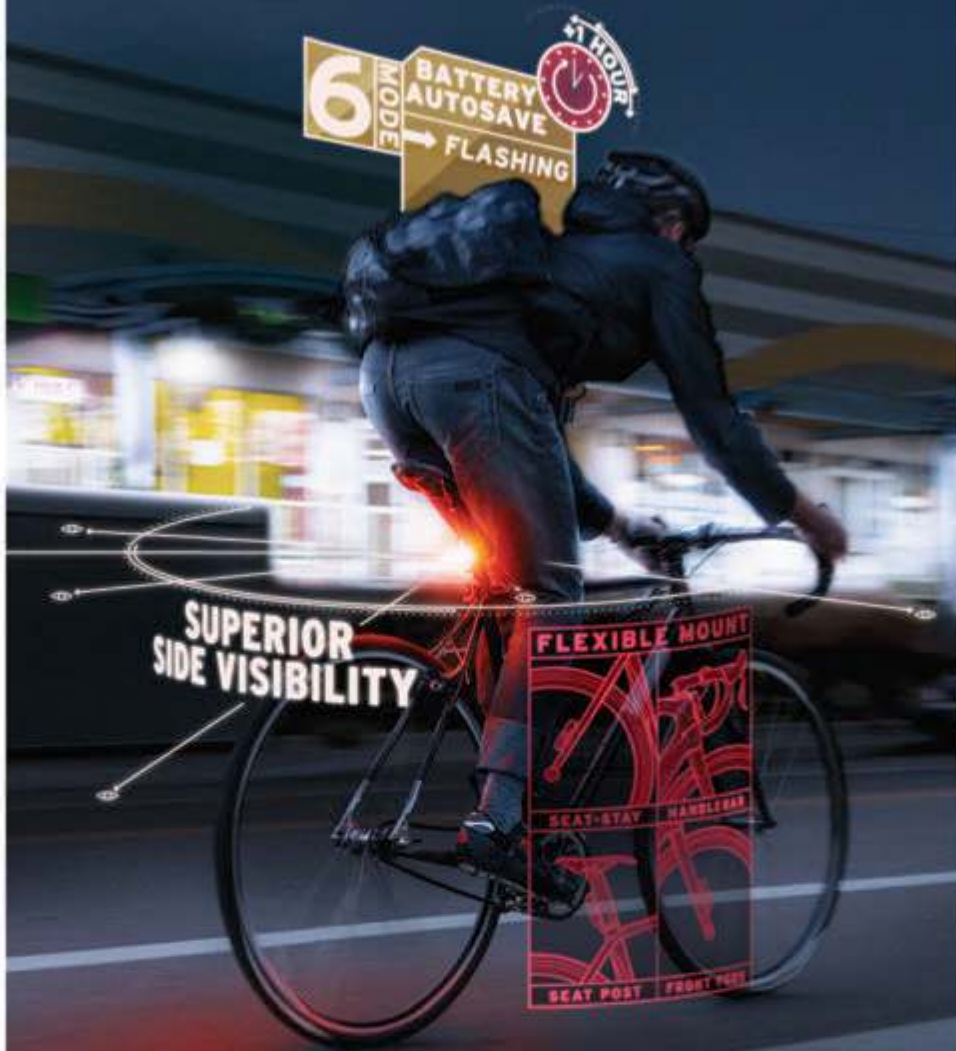
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BOOTH NO. A1-201



Light, flexible, powerful: Brose's new e-bike motor

A major supplier to the automotive industry debuts a mid-drive motor system for electric bicycles. Does that sound familiar? Except we aren't talking about Bosch.



**BROSE
A4-701**
+ TEST TRACK

**ADP/ROTWILD
A2-201**
+ TEST TRACK

**BENCHMARK
DRIVES/ CONTITECH
A6-205**
+ TEST TRACK

The Brose motor on a Rotwild bike.

The company in question is Brose, and its first e-bike system — which began commercial production in July — is available for testing here at Eurobike. Brose is marketing it as a light, powerful and flexible e-bike system, and the only one on the market that is made in Germany.

Brose isn't exhibiting at Demo Day, but you can test the system at the ContiTech booth. ContiTech, a subsidiary of Continental, another major supplier to the automotive industry, incorporates the Brose drive as part of its Conti eBike System, which also includes ContiTech's belt drive.

The Brose motor weighs 3.4kg (7.5 lbs) and generates up to 600 watts of power. The company says its compact design can be installed in many positions, so bike manufacturers have flexibility when designing a bike around the system.

It's also compatible with several groupsets. ContiTech uses the Brose motor with a belt drive, but Brose says the system can be used with traditional chain systems and is compatible with front derailleurs that use multiple chainrings.

There will be more to see tomorrow, when Brose makes its debut as a Eurobike exhibitor. In addition to showing the system at its booth, Brose will be in the spotlight at the ADP/Rotwild booth.

Rotwild is debuting two "three-in-one" e-mountain bike models that feature the Brose system along with new wheel and suspension products from DT Swiss.

"With the existing motor systems on the market it was difficult to roll out a full suspension MTB pedelec without compromises. They are targeting only the commuter bike market," said Peter Schlitt, CEO of Rotwild's parent company ADP.

Schlitt said the new Shimano Steps system,

for example, is clearly aimed at commuter bikes.

"For a full-suspension MTB pedelec, the wheelbase is too long," Schlitt said. "And in our eyes, the smaller front chainring that others are using doesn't provide a 100 percent fit with the frame design and handling of a full-suspension bike."

For its new models — a 29er hardtail, the R.C1, and a 27.5-inch full-suspension bike, the R.Q1 — Rotwild has combined a Brose motor with a battery pack that is built into the down tube.

Schlitt said his team is especially proud of the battery pack design.

"The battery pack's outer case is the frame's down tube. In other words, the battery pack isn't put into the tube, it's a part of the tube. That's how we can save a good deal of weight."

The design means that the battery can't easily be removed for recharging.

Brose offers its motor with a battery pack from BMZ, but allows customers to choose other battery suppliers as well for more design and performance flexibility.

Christoph Bantle, the Brose e-bike manager, said the company began developing its pedelec drive in 2010.

The first Brose drives, which the company says are "virtually silent and vibration-free," will be delivered this fall. The Brose motors are available in two versions, for standard pedelecs and for speed pedelecs. ■ JB



From Left: Daniel Berger of DT Swiss, Peter Schlitt of Rotwild and Christoph Bantle of Brose with Rotwild's Brose-equipped e-mountain bikes.



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Shimano shifts focus of its electronic groupset from road to mountain bikes

Five years after releasing its Di2 electronic road group, Shimano has electrified its mountain bike group with the new XTR Di2 system.



XTR Di2 rear derailleur

Why the long wait? It wasn't easy to transfer the road technology to mountain bikes, according to Shimano. The Japanese components company said it required 20,000 km (12,500 miles) of riding just to map out the fully automatic shifting system. Known as Synchro Shift, the system changes front and rear derailleurs automatically at the push of a button.

The XTR Di2 system is built on a new 11-speed mechanical group. That means many of its benefits are available to riders who stick with a mechanical

system instead of the electronic version.

Shifting on the XTR Di2 is controlled by Firebolt, a compact, ergonomic electronic switch that has a natural feel and provides feedback to the rider. The Firebolt switch is easy to reach and has a short stroke.

The front derailleur is a completely new design, with a "side swing" feature that accommodates double and triple cranksets. It provides an additional 15mm of tire clearance — important for modern trials bikes.

The rear derailleur has a lower profile for better

protection.

A top feature of XTR Di2 is its programmability, with easy plug and play connectors and extensive customization possibilities.

For example, riders can switch from right to left shifting. Multi-shifting functions are programmable; riders can choose the speed of shifting as well as the number of shifts to be done at one time while holding the switch.

The Synchro Shift option lets a rider control the front and rear derailleur

with one shifter. Shimano engineers analyzed the most-used gears to derive two pre-programmed shifting "maps." Riders can also create their own shifting maps.

Essentially, the system reads the position of the rear derailleur relative to the front and automatically operates the front shift to position the gears in the most efficient gear and chain line. The rider doesn't have to worry about front shifting at all.

Shimano says the derailleurs react instantly to rider input and take up an accurate position in every gear combination, thanks to an auto-trimming function in the front derailleur.

Cyclists can alternate between the pre-programmed system and normal mode while riding.

A digital display indicates battery level, gear position, shift mode and suspension mode (with a Fox suspension system). The display doubles as a charging port.

XTR Di2 uses the same waterproof batteries as the road Di2 groups, including the new round batteries that are hidden in the seat post. Bicycle manufacturers can route the electrical wires inside of the frame, and can integrate the Fox suspension system to minimize visible cables on the frame and handlebars.

Even without power, the new



STAND A1-200 + TEST TRACK

XTR Di2 display

XTR group provides new features for mountain bikers who stay with a mechanical system.

The new 11-speed cassette has a wide range of 11-40 teeth, with equal steps.

Different chain ring combinations are available for different riding styles: a 1x11 drivetrain for cross-country or enduro riders; a more standard 2x11 drivetrain; and a 3x11 drivetrain for all-around use.

Shimano offers different crank options as well, such as a lightweight racing crank with a Q factor of only 158mm that can be used with single or double chainrings. A stronger crank for trail riding, with a Q factor of 168mm, accommodates single, double or triple chainrings. ■ GE

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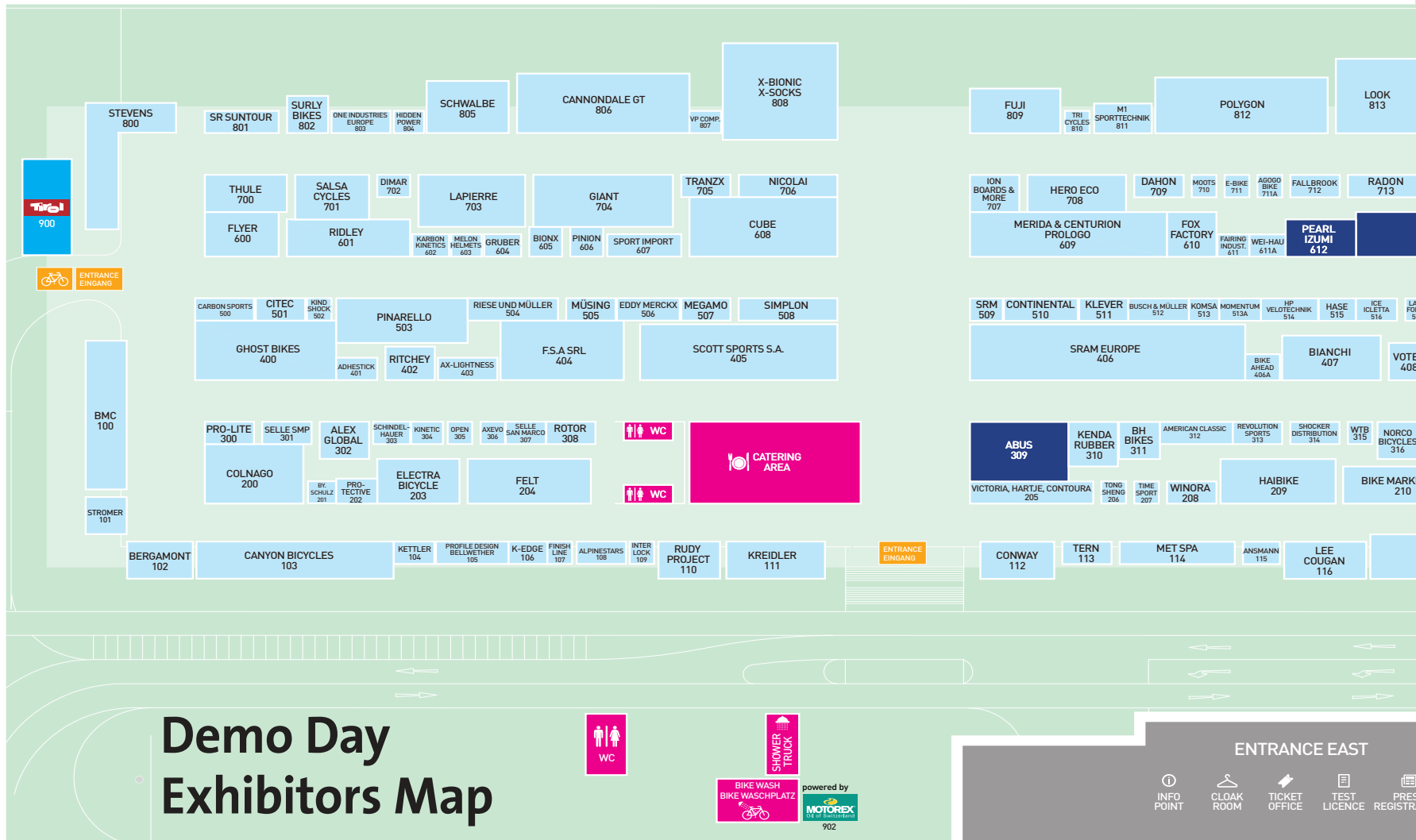
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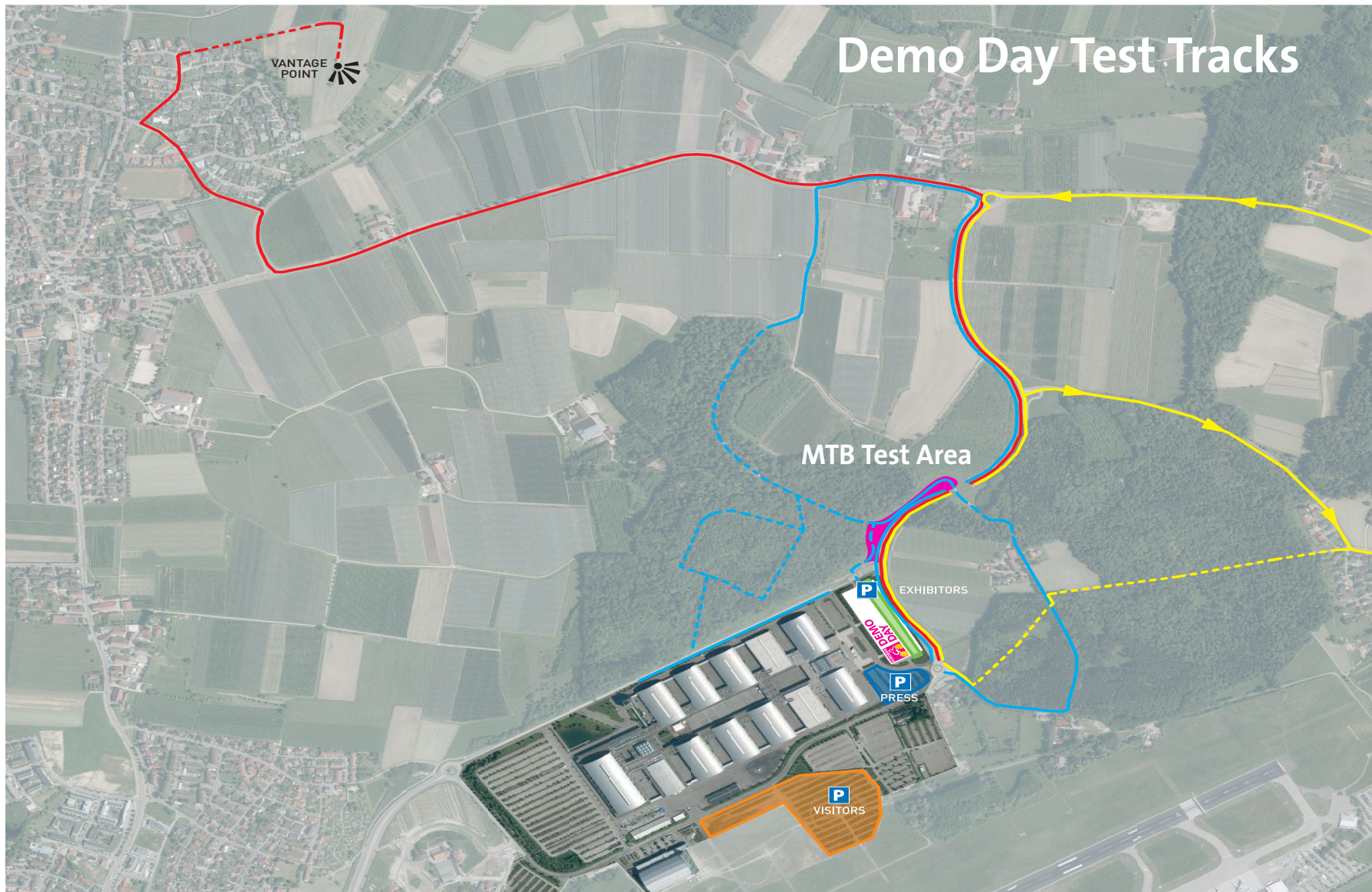
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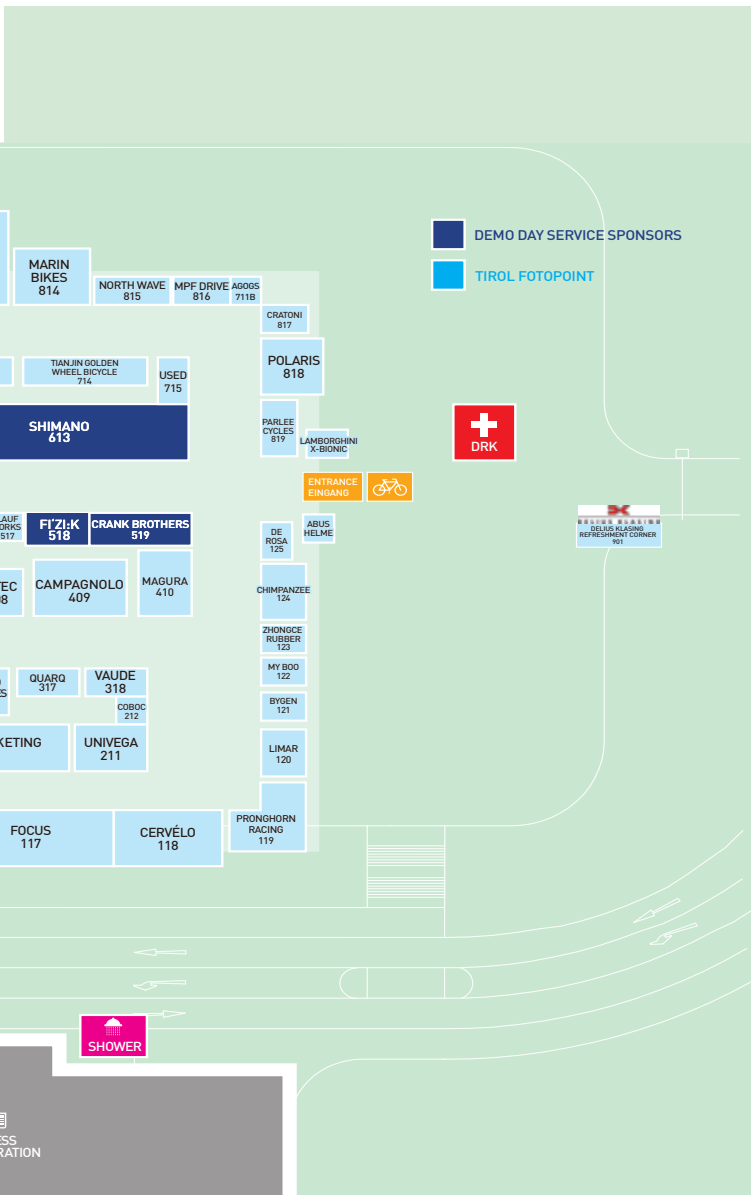
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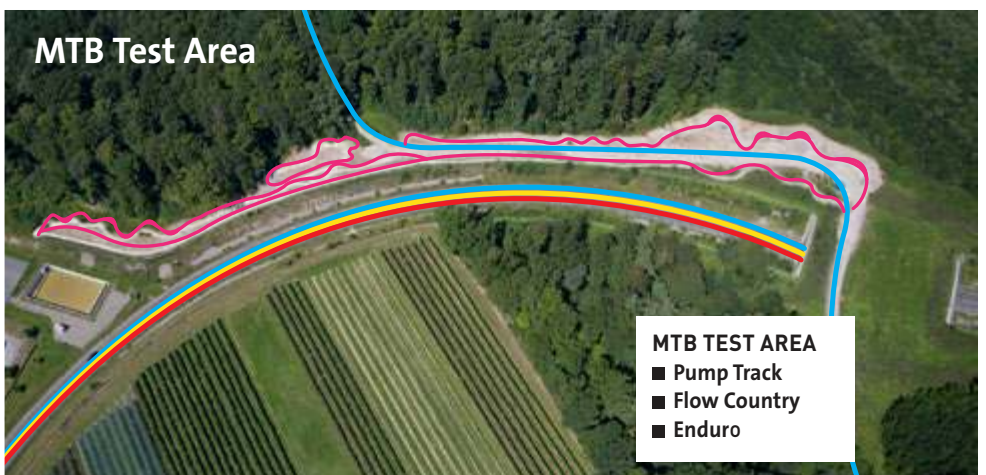
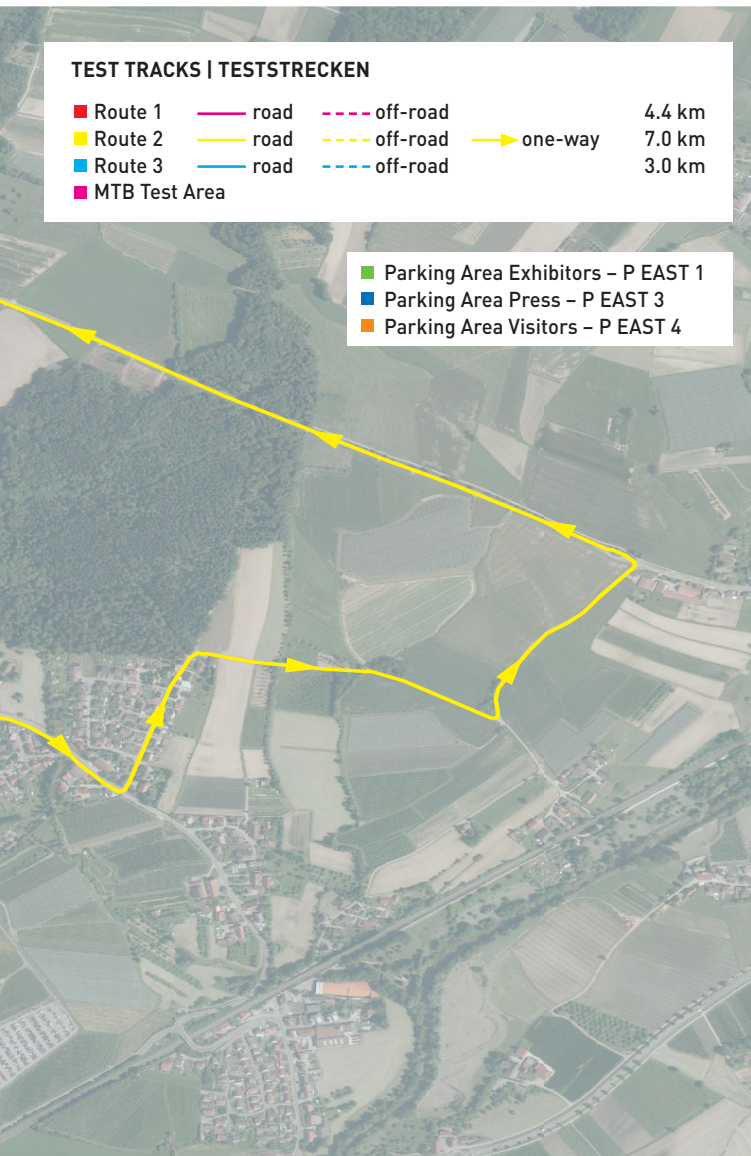
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MTB TEST AREA
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2015 E-bikes: Mid-drive motors

Pioneers, newcomers jostle for sales supremacy as market gets cranking

When Bosch launched its mid-drive motor at Eurobike 2010, it sparked a surge in the popularity of these systems, also known as crank drives. While front or rear hub motors still account for the majority of e-bike systems on the market, mid-drive motors soon could challenge their dominance.



Bosch 'naked' CX system

"As a result of the supremacy in the market by Bosch, the market is more accustomed to, and in some cases expects to see, a crank drive on electric bikes," said Ying-Tsao Tan of Momentum Electric, an e-bike company in the UK. "A crank drive electric bike costs more, naturally, but because there is the demand for it, it created an opportunity for us to have a bit of fun and design a product for this category that allowed us a bit more freedom than our 'bread and butter' range."

Having taken the market lead in just a few years, **Bosch** is not standing still. Other Show Daily articles will discuss Bosch's integration with GPS and with smartphones, but Bosch has also adapted its motor to work with a variety of other drivetrains.

An e-bike rider who wants her gears to shift automatically in step with her cadence can pair a Bosch motor with the NuVinci H Sync continuously

variable hub system.

If she wants to shift automatically based on her speed, she can combine the Bosch with the SRAM DD3 Pulse internal hub, which lets the rider determine the shift points of the automatic system.

And if she prefers to shift manually, she can pair the Bosch motor with one of Shimano's electronic Di2 internal gear hubs.

Bosch says these systems all integrate with its on-board computer. The gearing systems and motor communicate with each other via digital signals for ease of use and smooth shifting.



Rotwild mountain bike with Brose motor

Also notable is that the Bosch Performance Line motor now comes in the CX version, which is 200g lighter and features a "naked" coverless appearance that is suitable for full-suspension mountain bikes.

Competing with a well-heeled, well-established company like Bosch requires innovation — not to mention deep pockets.

TQ Systems has the innovation part covered with a new 4.5kg (9.9lb) motor for which it is making phenomenal power claims: 120Nm of torque across a wide speed range, with a top assisted speed of some 75 kmh (47 mph).

It is featured on the Spitzing, a full-suspension, carbon fiber mountain bike from **M1-Sporttechnik** (available to ride here at Demo Day). A road bike version is also in the pipeline.

M1's Leo Schmid said a key to the technology is that the TQ Systems motor uses a unique and patented "pin drive" that transfers power to the drivetrain with more efficiency than in e-bike motors. The system achieves an efficiency of more than 80 percent across its power range of 150 to 800 watts (see related story on page 10).

Bosch is best known as a leading supplier to the automotive industry. Now, **Brose**, another German company that is one of the world's top 40 automotive suppliers, is getting into

electric bicycles.

Brose has teamed up with **Rotwild**, a German brand known for its high-end mountain bikes. The two are debuting a bike with a



A2B Entz

new, lightweight crank motor (see related story, page 18). Bulls and Pegasus, two "house brands" from the big German buying group ZEG, have announced they will use the Brose system.

Brose says its motor is "based on a steering motor that has already been used successfully millions of times in other applications, and which has been optimized for performance-oriented e-bikes."

According to Brose, the 250W motor weighs 3.4kg (7.5 lbs) and has a claimed peak torque of 90Nm. The motor, which Brose says is "virtually silent and vibration-free," has the ability to fit a multiple chainring.

Brose offers the motor by itself as well as complete systems that use BMZ batteries. The Berlin-based company is proud to note that the motor is made in Germany.



Hase uses the Shimano Steps system on its Kettwiesel Kross

BOSCH STAND A6-203

BROSE STAND A4-701
+ TEST TRACK

M1 STAND A6-207
+ TEST TRACK

ROTWILD STAND A2-201
+ TEST TRACK

HIGH QUALITY SPOKES AND BICYCLE COMPONENTS

DT SWISS

Rotwild is launching two Brose-powered mountain bikes: a 29er hardtail, the R.C1, and a 27.5-inch full-suspension model, the R.Q1. Instead of "bolting on" the battery pack, Rotwild designed the down tubes of each bike to hold the battery packs, so they are integrated into the frame design for a cleaner and more classic look.



Yamaha PW system

Brose has another interesting partner

CONTITECH STAND A6-205

at the show — the German firm **ContiTech**, a division of Continental AG (yes, another leading German automotive supplier). ContiTech is launching a Brose-based e-bike system that uses the Conti belt drive.

The **A2B** brand of Hero Eco says it is the first on the market to use the Brose-ContiTech system on its eye-catching Entz bike. Maximum battery capacity is 522Wh and there are also integrated handgrip power controls and a smartphone-style computer display.

A2B STAND A4-605

A2B General Manager Fernando Küfer said the Entz, which will retail for more than €4,000 (\$5,350), has top-of-the-line credentials. "Performance and design are a key feature of all A2B e-bikes, and this latest model is in line with our ethos of creating best in class premium e-bikes," he said.

Meanwhile, two Japanese component giants are raising the stakes in the mid-drive motor market.

Yamaha, which pioneered crank drives in the 1990s, has been mostly absent from Europe except on a few models from Giant. But with its new PW system, Yamaha wants to take Bosch and Brose head on. (Read our interview with the Yamaha executive overseeing the launch in tomorrow's Show Daily.)

The 3.5kg (7.7 lb), 250W rated motor claims a continuous maximum torque of 70Nm. Yamaha offers 400Wh and 500Wh battery options.

Haibike and Batavus — two sister brands under the Accell umbrella — are showing starkly contrasting versions of Yamaha-equipped 2015 bikes.

Haibike is using the PW system on its new Sduro line.

HAIBIKE STAND A4-200 + TEST TRACK

Brand manager Felix Puello said the Sduro is aimed at younger riders. Sduro hardtails start at €1,999 (\$2,675). Some models feature double chainrings while high-end versions use Accell's e:i electronic shock (see related story, page 17).

Batavus, meanwhile, is spec'ing the PW on a new town bike, the Stream, featuring the larger 500Wh battery.

Shimano, the most important components maker in the bicycle industry, is rolling out its Steps pedelec system with partners including Hungary's Gepida, Austria's KTM and German recumbent maker Hase.

SHIMANO STAND A1-200 + TEST TRACK

In the months leading up to Eurobike, Shimano ran a pilot project with dealer associations Bike & Co and ZEG in the German market to test the Steps system

With a claimed weight of 3.1 kg (6.8 lbs), the Steps motor is one of the lightest drive units on the market. A 418Wh battery can be mounted either on the rear rack or the down tube.

Claimed battery life is 1,000 cycles. Shimano says the Steps motor can work in tandem with its Di2 electronic internal hub gears. The combination allows riders to shift under high chain tension, by reducing motor power briefly while shifting.

Nidec Copal, another Japanese conglomerate — known for its miniature motors — has launched a sleek and light crank drive with a claimed weight of 3kg (6.6 lbs).

NIDEC COPAL STAND A6-303C



Virtus

Momentum Electric is using the motor on its high-end Concept V bike, which sports impressive specs: a total weight of 16kg (35.3 lbs), including a carbon fork, belt drive and ISIS cranks. Momentum Electric expects to have bikes available for the 2015 at a price of €2,999 (\$4,015).

MOMENTUM STAND FGO-111

Sunstar, a Japanese company that's been making pedelecs in Japan since 2003, has an innovative idea for a crank drive — one that's removable and can be moved from one bike to another.

SUNSTAR STAND A6-209

Sunstar says its universal bottom bracket motor, the Virtus, fits just about any bike frame and can be transferred in minutes. It can be matched with a variety of batteries.

The motor works with a controller that stays on the bike. Sunstar says the controller uses its own LCD display or sends data to a rider's smartphone.

Sunstar has more than 4,000 employees around the world. For the European market, it has focused on developing and selling its universal bottom bracket motors since 2012.

Chinese hub motor manufacturing giant **Suzhou Bafang**, better known for its 8 Fun brand, will have a second-generation crank motor prototype on display. The motor is intended for OEMs. The company is also showing a new torque-sensing bottom bracket.

SUZHOU STAND ZH-206

Richard Peace

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



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2015 Apparel: Safety wear

Cycling wear that shouts 'look at me' appeals to cyclists' safety, not egos

Orange — and chartreuse, “screaming yellow” and other eye-catching shades — is the new black when it comes to cycling fashion. More apparel brands are combining safety features with high performance.



TwoWheelCool OMNI light

Technology and thinking have moved on from the days when safety equipment meant sporting a leather-bound “sausage” helmet and imbibing only a small carafe of wine at your lunch stop.

While many garments have always targeted the safety-conscious commuter market, an increasing number of mainstream cycling wear is adding bright colors and reflective materials. Add a smattering of wearable lights, crash-resistant materials and anti-UV fabrics, and Eurobike could convince you that bicycles — not airplanes — are the safest way to travel.

Pearl Izumi

believes in turning up the color volume of its high-vis garments with a shade it calls Screaming Yellow. The brand, owned by Shimano, believes it has something to shout about.

Screaming Yellow “increases a driver’s perception distance from 91 meters [299 feet] to 671 meters during the



Pearl Izumi Elite Barrier Vest

PEARL IZUMI STAND A1-401

day, and from 46 meters to 171 meters at night,” the company says. “Screaming Yellow also has the added benefit of remaining bright, and relatively close to its original color, even for color-blind drivers.”



Neonon Wimvis reflecting flag

New Screaming Yellow pieces this year include the Elite Barrier Vest, and matching arm warmers and Transfer Cycling Cap.

Neonon, meanwhile, is helping cycling accessories get noticed. It has designed what it calls the world’s first three-dimensional bike flag, Wimvis, which thanks to its shape and color helps



Fanfiluca Go Long pant

guarantee visibility from all directions. It’s particularly useful for children’s bikes, recumbents and trailers.

Neonon’s Govis vests are fun and easily packable, while the Covervis is a handy cover for backpacks and trailers that is trimmed in 3M Scotchlite Reflective material and has Duraflex side buckles.

The Dresden, Germany, company, which makes all of its products in Germany, called its line a response to boring, unimaginative safety wear. It produces vests for boys and — new this year — dresses for little girls. And don’t forget its floral Dogvis vests ... for dogs.

While fluorescent clothing is just the job for low-light situations, it is usually augmented by reflective elements for black nights and headlights. **Fanfiluca,**



NEONON STAND ZH-304

an Italian company, trims its Lycra-based cycling pants with a reflecting fabric it calls Safer Tex. Safer Tex is employed on the hem of its Go Long men’s and ladies’ pants, for discrete reflection only when it’s very dark.



Bioracer Pxl jacket

Quibos, an Italian company that’s been making technical cycling apparel for 20 years — often for other leading brands — offers a Visibility line that uses fluorescent fabrics and reflective elements for 360-degree



QUIBOS STAND B5-305

sponsored by

My Bike Collection: Visibility

Quibos srl designs and produces technical apparel for some of the most prestigious international brands. Its summer 2015 My Bike collection offers innovation in materials, ergonomics and technical details.

The Visibility outfit offers fluorescent fabrics and reflective logos that guarantee 360° visibility. The jersey combines different fabrics for specific areas: mesh on the armpits for maximum breathability and an ultra-light fabric on the body for maximum comfort thanks to its exceptional stretch and recovery.

The bibshort is a combination of fluorescent lycra and Revolutionary fabric with mesh bibs for excellent breathability. Reflective logos and applications also help visibility. Airmesh padding guarantees the same impact resistance as conventional foams but with more rapid sweat expulsion,

ensuring better thermoregulation. The outfit is completed with armwarmers, legwarmers & shoe covers designed for visibility.

BOOTH#: B2-501



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POC Avip Back Protection Jersey

The jacket is available in two weights: the windproof Race Proven Winter and lighter Race Proven Combi.

POC is a newer entrant into the performance clothing market, but one that has made its mark notably with its selection of chunky, bright helmets and sunglasses. Yet its AVIP Backprotection jersey — the acronym stands for “attention, visibility, interaction and protection” — goes beyond catching a motorist’s eye. Along with a reflective patch, the jersey includes an integrated back protector that cushions the small of the back. POC says it is the first road jersey to incorporate such a level of protection.

POC STAND B3-403

The French company **Look** is also making sure more people will look at its garments.

Its Illuminate vest has front and rear reflective panels, with the reflection provided by glass particles in the fabric.

And if all else fails, Look’s Super Highway speedsuit uses Skin Protection technology on the most exposed zones. Look says the technology provides 40 percent better resistance to abrasion than traditional fabrics, hopefully saving racers and triathletes some road rash if they can’t keep the rubber side down during a ride.

LOOK STAND B2-301

A new-to-Eurobike clothing line from **Scott** takes a similar tack. It uses an abrasion-resistant technology called ITD ProTech that Scott developed with high-end Swiss fabric maker **Schoeller**. Inspired by the sailing industry, the proprietary blend of carbon yarns and ceramic prints

SCOTT STAND A3-300

“provides a fabric with very high abrasion resistance, especially in the case of high speed crashes,” the company says. Scott’s RC ProTec line should hit retailer’s racks next spring.

It’s not just skinny whippets who get improved crash protection, though. For fashion-conscious commuters and everyday riders, there’s **Hövdning**, which invented an “airbag for cyclists.”

SCHOELLER STAND B5-505

The so-called airbag is concealed in an ordinary-looking collar worn by the cyclists. It deploys

HÖVDING STAND A3-201

in an accident, and the inflatable zones mirror the danger areas recorded in current accident statistics. With growing representation at IBDs in the Nordic and German-speaking markets, this disruptive technology continues to grow.

More traditional but almost as ingenious are **Ribcap’s** products.

The Swiss company started with a single product: protective headgear disguised as a beanie hat. Although it wasn’t a bona fide helmet, university researchers said it provided head protection and could prevent head trauma. Buoyed by the success of the Ribcap winter hat, the company is launching the Hardy, its first summer product. Inspired by the humble cycling cap, the new protective headgear is soft, foldable, breathable and ventilated, while meeting the same safety standards as its cold-weather counterpart.

RIBCAP’S STAND A2-509

Australian design company **TwoWheelCool**

offers more wearable safety technology with its OMNI Multifunctional Wearable Rider’s light. It works like an old-fashioned bicycle clip that attaches to the trouser, ankle, arm, bag or just about anywhere. The difference is that this bicycle clip lights up with a 30-lumen light in four lighting modes. When its 50-hour battery life is exhausted, it can be recharged through a USB port. It comes in eight colors and is made of water-resistant silicone.

TWOWHEELCOOL STAND B2-303B



Ribcap Hardy

Finally, while a little sunshine never hurts, a lot of it can cause problems. Several companies offer new types of UV-blocking apparel for 2015.

Pearl Izumi offers a svelte under-helmet cap, the In-R-Cool Skull Cap, which features UPF 40 protection — since most skin cancers occur on the head.

Both **Zoot** and **Sugoi** use IceFil, a material that protects against UV damage and uses a person’s own sweat evaporation to keep the body 1 degree C (1.8 degrees F) cooler than regular material. Sugoi is launching its new RS Ice Jersey, featuring IceFil, for men and women here at the show. ■ **ML**

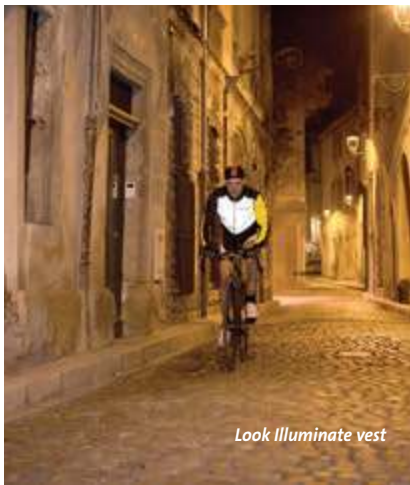
ZOOT STAND B5-107

SUGOI STAND A6-200

visibility. Quibos ensures the pieces are highly breathable and comfortable to wear as well.

Safety isn’t just for casual and commuting wear. Many performance brands want their clothing to stand out, too. **Bioracer** is one of several race-oriented apparel brands

BIORACER STAND B5-401



Look Illuminate vest

that promotes reflective elements. Its athletes at last winter’s dim and murky Cyclocross World Cup in Hoogerheide, the Netherlands, warmed up and trained in the company’s new Pxl winter jackets. The Pxl line combines the heat-retaining properties of a classic winter jacket with the visibility of reflective safety clothing. The company says the line is based on a new textile called Pixel, which incorporates a reflective array. The fabric can be printed in any color and design.



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Merida's 2015 line gets its own R&D

Merida's 2015 bike line on display at Eurobike is notable because it is the first to display the fruits of its new German R&D center. This marks the first time that Merida and its longtime German partner, Centurion, have separated the research and development of the two brands. The new subsidiary is called the Merida R&D Center GmbH.

"All international models, except some special bikes for niche markets, are developed by the Merida R&D Center, in close cooperation with Merida in Taiwan, before they do the mass production," said Jürgen Falke, who heads the new subsidiary.

Merida has been partners with the former Centurion-Renner



Jürgen Falke (center left, holding a 27.5-inch mountain bike frame) with his "wild bunch" of young R&D employees. (Photo: JB)



company since 2001, when Centurion assumed exclusive distribution of the brand in Germany as well as its international R&D. The company name was changed to Merida & Centurion Germany.

Until last year, the Centurion and Merida R&D departments shared an office at the company's Magstadt, Germany, headquarters. Falke is a veteran of that office.

"When I hired Jürgen 20 years ago, our R&D was a one-man show," said Wolfgang Renner, general manager of Merida & Centurion Germany. "Today, he is co-GM and product director for the new Merida R&D Center GmbH, and overlooks an R&D team of eight people."

The creation of the Merida R&D Center is part of a larger restructuring of Merida & Centurion Germany. Renner created a management "quartet" to lead the company.

The management quartet includes Renner and Falke with Andrea Rottler, co-general manager of Merida Europe, and Gerd Klose, co-general manager of Merida & Centurion Germany.

The parent company is Taiwan's No. 2 bikemaker. Merida produces bikes for only three brands: Merida, Specialized and Centurion.

Before they begin designing a new line of bikes, Falke and his team listen to suggestions from distributors in the "Merida family" that represent other countries.

"We ask them for the trends in their markets, do market analyses and develop first models. They will be presented to them," Falke said. "Then we all make a decision what will make it into mass production."

Renner said the final decision on which models will go into production is made by Merida Taiwan.

Distributors have a total of some 200 models to choose from. Merida & Centurion Germany, for example, is planning to import 80 to 90 models for Germany.

The focus on research and development also supports Merida's deepening involvement in pro racing, overseen by Andreas Rottler, its director of sports marketing.

In addition to sponsoring the Centurion-Vaude mountain bike race team, the Taiwan company in 2012 began investing in the Lampre-Merida pro road bike team.

Merida Centurion Germany today employs a staff of 110. In addition to distributing the Merida and Centurion bicycle brands, the company operates a wholesale business that imports as many as 40 brands.

North Americans may wonder why they have never seen Merida bikes in their market. That's because of a gentleman's agreement with Specialized, one of Merida's most valuable customers. ■ JB

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New Products 2014

NuVinci H Sync

STAND
A2-406
+ TEST TRACK



NuVinci's H Sync hub for e-bikes offers the same continuously variable shifting as other NuVinci hubs but with a big difference: It now shifts automatically, in harmony with the e-bike motor. With H Sync, cyclists no longer need a separate shifter on the handlebar. Instead, they select their preferred pedal cadence and the H Sync does the rest. When a rider stops, the H Sync automatically downshifts so the rider can resume pedaling in an "easy" gear.

A2B Entz

STAND
A4-605



The Entz combines a powerful and smooth pedelec experience with a range of up to 100km (62 miles) and a maximum supported speed of 25 kmh (15.5 mph). The Entz is one of the first bikes to feature the new Conti Drive System — Continental's 3.4kg (7.5 lb) mid-drive motor combined with its belt drive. The Entz also offers a new gearless NuVinci Harmony hub, which shifts automatically.

Giro Sutton

STAND
B2-400F

The low-profile Sutton helps urban riders and commuters get more out of their ride. A tough outer shell and soft leather visor shade the eyes, while an integrated Light Clip at the back allow riders to snap a light to the helmet. The Lock Port is a reinforced vent that lets users lock the helmet to the bike.



Ritchey SuperLogic Stream Vector Evo

STAND
A1-106

Ritchey's ultra-light saddle with full carbon shell and rails weighs 115g (4 ounces). With the superlight foam, the Vector Wing system and the Vector Evo rails, it is one of the most comfortable, lightweight saddles on the market.



Cratoni All Track

STAND
B2-102

The German helmet and sports goggle specialist launches a new mountain biking line. Helmet features include a multifunctional camera mount with safety release; height-adjustable visor with different locking levels; and extra storage for dirt bike goggles.



Merida One-Twenty 7.900

STAND
A3-301
+ TEST TRACK

Merida's One-Twenty has been completely upgraded for 2015 with new geometry, suspension and specs. Its geometry combines mid-length chain stays and a long top tube with a short stem and wide bars.



BioLogic AnchorPoint System

STAND
B4-304

The AnchorPoint Bar Mount is a rugged 4-point clamp system for BioLogic's Bike Mount cases and bags. The AnchorPoint attaches to any bicycle handlebar or stem in horizontal or vertical orientations, with a flat or 10-degree display angle. It also attaches to standard tripods to provide a sturdy platform for shooting photos or video.



Fuji Transonic SL

STAND
B4-300

Launched at this year's Tour de France, the Transonic is the culmination of Fuji's years of wind tunnel engineering. It has an aerodynamically contoured junction between the head tube, fork and downtube; seatstays that are sculpted around the rear brake; an aero seat post with an integrated seat clamp; and fully internal cable routing, including an internal Di2 battery.



Kinetic Z-Rollers

STAND
B4-305



Kinetic's Z-Rollers, named for their tri-folding design, boast a lightweight aluminum frame and machined 90mm roller drums. The Z-Rollers are portable and easy to use — perfect for race day warm-ups or indoor training sessions. When folded, they are the size of a large briefcase and can be stored almost anywhere when not in use.

Lee Cougan Quest 650B

STAND
FG-WA112

The old Quest has gotten bigger and faster. The newest version of the enduro racing bike features 155mm of rear travel and 160mm of front travel, while a lowered bottom bracket gives a shorter chain stay for better handling and sprinting ability. While the bike got bigger, its weight didn't — the Quest 650B weighs 12.1 kg (under 27 lbs).



New Products 2014

Biomega NYC/New York

STAND
A6-303B

The NYC uses a smooth, quiet carbon fiber belt drive. Its sleek, no-nonsense look integrates a front mudguard in the aluminum down tube. The front forks are treated with "Nightglow," a special paint that stores light for greater visibility in the dark. Available in two versions: a two-speed automatic and eight-speed electronic. Created by the Danish design group KiSiBi.



Elastic Interface Road Performance Space

STAND
B5-209

The Road Performance Space uses the latest chamois technology for extra-long distance road rides. Its multidirectional curvature delivers fit and stability for hours in the saddle. In addition to an ultra-high-density perineal insert, the Space also provides proper ischiatic support — handy for cyclists who ride father forward in the saddle.



Centurion Numinis E 2000.27

STAND
A3-302
+ TEST TRACK

Centurion enters new territory in electric mountain bikes with the Numinis E, featuring a 120mm dual suspension system. With the Numinis E, riders can enjoy technical climbs as much as descents. Its Bosch Performance-line motor is fed by a 400 Wh battery for all-day riding.



Protective Rain Glow

STAND
B2-401

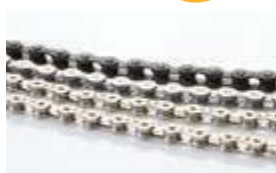


Not only does the Protective Rain Glow resist rain and wind, it glows in the dark for added protection. The elastic material recharges during the day so it can light up at night, with visibility enhanced by reflective logos and piping. An off-center front zipper sits comfortably against the neck. Available in sizes XS to XXXL.

Taya EL Derailleur Series chain

STAND
A5-503

The Taiwan bicycle chain manufacturer celebrates its 45th anniversary with the launch of a "heritage collection" of chains. The EL chains use an advanced rollerless structure that saves up to 15 percent in weight. It also provides direct contact between the chain and the gear teeth for no loss of pedaling power. By reducing vibrations, the EL chains are quieter.



M1-Sporttechnik Spitzing

STAND
A6-207
+ TEST TRACK

M1-Sporttechnik presents the first "R-Pedelec," or "race" pedelec — a new category that reflects the power of this full-suspension, carbon-fiber enduro bike. With a powerful motor that produces a torque of 120Nm, the Spitzing accelerates from zero to 50 kmh (31 mph) in less than eight seconds. It is also available as a street-legal pedelec and a speed pedelec.



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New Products 2014

HP Velotechnik Scorpion plus 26

STAND
FW-300
+ TEST TRACK



The "trike with SUV genes" makes it easy for riders to get on and off and can appeal to many who never thought of using a bicycle for transportation. Its frame lifts the rider to a seat height of 57cm (22 inches). The electric version includes a reverse gear. The premium e-drive also has a color screen and offers remote operation from the handlebars. It is equipped with a 558 Wh rechargeable battery.

Shimano Enduro Backpack U4E

STAND
A1-200



Shimano's new race backpack, the Unzen 4 Enduro (U4E), is made for enduro athletes who have to efficiently and quickly cover a variety of terrain. Along with many other features, the U4E stores a full-face helmet and armor, and has a goggle/helmet clip to keep them safe. The hydration pack reservoir features a compression cord for stability and to deter it from shifting while riding. Its body-hugging fit stays molded to the back but still lets riders move freely.

Campagnolo Shamal Mille

STAND
A1-306

Campagnolo keeps refining its Shamal wheelset to keep it at the head of the class for aluminum racing wheels. The new Shamal Mille incorporates a treatment that permeates the metal of the rim for better braking performance. It works with Campy carbon brake pads, so riders don't have to swap out the pads when switching from Shamal Mille to Bora or Hyperon wheels.



GT Helion

STAND
A6-200
+ TEST TRACK

GT's new Helion is a light, stable XC bike for riders who just want to have fun on the mountain. It is outfitted with GT's most efficient pedaling system, the AOS Suspension System, which isolates the drive train from the suspension and delivers pedaling forces into forward motion. The Helion also uses GT's new Lockr Expanding Axle System for a simpler pivot and lighter pivot assembly, and a lighter bike.



Stromer ST2

STAND
B3-401
+ TEST TRACK



The Stromer ST2 lets the rider's smartphone interact wirelessly with the bike to regulate the motor output or update the bike's firmware. The system also helps protect against theft. It uses Stromer's Omni cloud platform, so owners can keep a "digital service record" to make life easier for themselves and Stromer dealers. The ST2 is available in a Sport version with a 20- or 17-inch frame, or a Comfort version.

Tern Kinetix Pro X Wheels

STAND
B4-304

Tern's Kinetix Pro X rims for 20-inch wheels are 3mm taller for strength and aerodynamics. Forged Sapim straight-pull aero spokes are arranged in a patented Rolf low-count paired-spoke pattern. Custom-designed front and rear hubs use precision CNC-machined flanges for perfect spoke alignment. The rims are standard on the Verge X10 and X20, and fit other Tern 20-inch bikes and other brands with a 74/135mm OLD. They weigh 1,100g (39 ounces).



Surly Pacer

STAND
B1-305

A steel road bike, the Pacer is meant for long days in the saddle. It's got vertical, 130mm-spaced dropouts and room for 35mm tires (28mm with fenders), accommodations for full gears and two water bottle cages. It's an everyday road bike with Shimano 105 hubs, shifters, and derailleurs and Schwalbe Durano tires. Plus it comes in a shiny new red.



SRAM Rival 22

STAND
A3-204
+ TEST TRACK



The SRAM Rival 22 groupset delivers performance for a broad variety of bikes and disciplines, from road to gravel, cyclocross to triathlon, racing to trekking. The new road group offers 22 useable gears with Yaw front shifting for no trim, rub or rasp. Brake options include Rival 22 mechanical brakes, HydroR hydraulic rim brakes or hydraulic disc brakes. Other gearing options are available with a WiFli 11-32 cassette, compact chainring and different crank-arm lengths.

Winora eLoad

STAND
A4-200
+ TEST TRACK

Winora's first cargo e-bike, the eLoad, is comfortable even when loaded to the max. With its integrated front and rear carriers, the e-bike will securely haul groceries, beverage crates and other items. Each carrier has a load capacity of more than 23kg (50 pounds), and the Bosch e-bike system ensures that heavy loads won't slow you down. With the Racktime Snapit system, an infant seat can be installed quickly and easily.



Cannondale Jekyll

STAND
A6-200
+ TEST TRACK

The 2015 Jekyll is the evolution of Cannondale's successful enduro platform, upgraded with the help of Enduro World Champion Jerome Clementz. A new geometry combined with SuperMax front suspension, a new Fox Dyad rear shock with increased travel and 27.5-inch wheels make the Jekyll a versatile ride for enduro racers or all-mountain shredders.



Extreme no Contradiction



SADDLES



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New Products 2014

Shimano XTR Di2

STAND
A1-200
+ TEST TRACK



Shimano has launched its first electric groupset for mountain bikes, the XTR Di2, which joins the new XTR M9000 mechanical groupset. The Di2 platform offers including faster, more accurate and more powerful shifting that is consistent in all riding conditions. Shifting requires minimal effort with a simple press of a button. XTR Di2 also introduces a programmable shifting layout called Synchro Shift.

Marin Rift Zone 29er 9

STAND
B4-100



Marin's über-fun 29er trail bike uses its 110mm IsoTrac Suspension for balanced performance with a stable pedaling platform and plush linear shock stroke throughout the travel. Utilizing flexing stays, the IsoTrac suspension eliminates the need for a rear pivot, reducing weight and enhancing ride characteristics. Handling is quick and responsive thanks to short chainstays, a compact cockpit and a 69.5-degree headtube angle.

Magura eLect

STAND
A2-204

Magura's eLect suspension technology system uses "Auto Ride Sensors" in the fork and rear shock. The sensors react to the trail angle and to impacts, automatically activating or deactivating suspension lockout. Its auto mode can be calibrated to the rider's preferences, and the lock out opens automatically – within 0.2 seconds — during extreme drops. In manual mode, the rider can lock or unlock the suspension as needed with the bar-mounted ANT+ remote. All Magura forks from model year 2010 can be retrofitted with the new eLect system.



Salsa Fargo 2

STAND
B1-306



The drop bar, off-road Fargo 2 is a 29er designed for adventure. Available in a titanium or steel frame with carbon or steel Firestarter forks, the Fargo has developed cult status for long-distance bikepacking or off-road touring trips. Salsa's Woodchipper handlebars accommodate many hand positions for comfort on long journeys. The frame's "alternator dropout" design accommodates geared, single-speed, thru-axles or Rohloff hubs.

Reynolds Cycling Attack

STAND
A7-201B

The lightest and shallowest wheel in Reynolds' Performance line is now tubeless for better rolling resistance and ride quality and fewer flats. Its 25mm width accommodates wider tires for a more supple ride. At 1,365g (48 ounces), the precision carbon wheelset is light, stiff and responsive. Available in centerlock disc or with Reynolds' CTg rim braking technology.



Momentum Electric Model T

STAND
FGO-111

Momentum has refreshed its Model T for better value. The updated Model T improves on the original model's weight, range and hill-climbing ability while keeping the things that made the original so popular: a step-through frame, comfort and classic looks.



Dirty Squad One

STAND
B3-405

Dirty, Selle San Marco's gravity brand, launches the Squad One for 2015. It shares the same ergonomics and shape of its top level Pro sister, but with carbon steel rails and a new "SilkFeel" cover with a tone-on-tone graphic. The Squad One is light and comfortable for climbing but is strong and safe for descents. It resists tears and rips.



rh+ Revo Woman

STAND
B5-406

Powerlogic Lab, the rh+ technological development lab, created the Powerlogic Revo Woman using FD Gold 100 Sensitive fabric for women. The garments are both welded and stitched. They have a preformed construction, and the fabric molds to the female body. The fiber structure ensures the fabric is very light and breathable while being very soft to the touch.



InterLock

STAND
FG-WA106

The InterLock is designed to be the most convenient bike lock on the market. It's a seatpost that has the lock built in. Just install the seatpost, and the lock is hidden inside of the bike but is there when you need it. It won a Gold Award at this year's Taipei Cycle Show, and is available as an aftermarket and OEM product.



Rotor Power LT

STAND
A1-202

Rotor's lighter weight power measurement system, the Power LT, takes its cues from the company's existing Power cranks and was designed in collaboration with the Lampre-Merida pro team. Its four strain gauges are placed inside the Power LT's cranks instead of on the exterior for a cleaner output signal and to minimize the need to compensate for temperature. The Power LT's UBB30 crank axle is compatible with nearly every frame on the market.



New Products 2014

Kreidler Las Vegas Fully

For newcomers to the fun of off-road e-biking, Kreidler offers the Las Vegas Fully, a 650B bike with a Bosch performance motor and Shimano Alivio components. At only 22.6 kg (50 lbs), this bike is fun to ride and is reliable even on rough terrain. 650B wheels make steering and handling more agile. The "naked" look of the Bosch motor adds style.



Giant Propel Advanced Pro



Giant's AeroSystem Shaping Technology and SpeedControl SL brake system are the result of countless hours in the wind tunnel. The advanced-grade composite frame is stiff and light, while the highly adjustable Vector SLR seatpost minimizes drag. Race-proven frame technologies, including the OverDrive 2 steerer tube and PowerCore bottom bracket, make this a well-rounded performer.

Vaude Moab Women 14



An all-mountain backpack for mountain biking gals, the Moab Women 14 fits close and comfortable thanks to its body-contact suspension system and ergonomic hipbelt and shoulder straps. The large main compartment opens wide for packing and organization. The 14-liter pack comes with Vaude's eco bonus: All primary materials are made in accordance with the stringent Bluesign standard. And with two tire irons attached to the backpack, a flat on the trail won't hold any woman back.



Klever Q25



The Klever Q25 is a high-performing, foldable 20-inch e-bike. Equipped with the company's Biactron rear wheel drive, the Klever Q25 combines compactness with comfort and good range. Like all Klever e-bikes, the Q25 soon will be available with an optional Bluetooth LCD display and integrated control unit. Owners of earlier units can swap theirs out for the new one. The Q25 will be available in mid-2015.



Conti Drive System



Continental has optimized its drive belt system, the Conti Drive System, which is now in production for manufacturers. The tooth profile of the Conti Drive System's heavy-duty timing belt ensures maximum jump-over protection on drives for bicycles, pedelecs, and e-bikes. The system is light, clean and quiet and offers performance that is robust, durable and maintenance-free.



TranzX M25 Central Motor



Small and capable, the M25 motor generates a surge of power that is as strong or stronger than larger e-bike motors. It can be visually integrated into the frame for a new level of aesthetics. The motor is compatible with nearly every bike configuration and with 8.8, 11, 12.8 and 16 Ah batteries. Its LogiX Communication system permits seamless communication between individual e-bike components.



Airace i-Gauge



Now you don't have to squint to read the tire pressure on the gauge. Airace's new i-Gauge for road bikes is equipped with Bluetooth 4.0 technology, so the pump pressure can be read on a smartphone up to 15 meters (49 feet) away with the Airace iGauge app. It reaches a maximum pressure of 120psi (8 bar). The included battery will last for about 310 days if used 10 minutes a week.



Abus Granit Plus 640



The Abus U-Shackle Granit Plus 640 looks like a lightweight messenger lock but offers good protection against high theft risk and is recommended for high quality bicycles. A 12mm hardened steel round shackle is double bolted in the lock body. The shackle, the case and supporting elements of the locking mechanism are made of hardened steel that protect against lock picking.



EUROBIKE A5-505



RENNRAD
2015

Haibike says 'hi' to Yamaha e-bike kit

Haibike is going after younger consumers with its new Sduro line of electric bikes, the little brother of its successful Xduro line. All but two of the 14 Sduro models are e-mountain bikes (the others are a trekking and a cross bike). But what may be most notable — apart from lower price points — is the motor on the Sduro line.

Instead of Bosch, Haibike's partner for its performance e-bikes, Sduro is using the new e-bike kit from Yamaha.

The new bikes are available for testing here at Demo Day.

"The fact is that the Xduro consumer group is 55+. They had a bicycle and have the financial background to invest in a fashionable e-performance bike," said Alex Thusbass, a design and strategy consultant for Haibike, a brand of the Winora Group. "What we've learned is that there is a very small but growing group of 20-something folks who are interested in trendy mobility products. With Sduro we want to reach these charming little sprouts."

Thusbass said these 20-somethings aren't switching from conventional bikes. Instead, an e-bike is often their first bicycle.

"It's 'Generation E' stepping in," he said. "Companies keeping a close eye on them will survive into the future."

For Yamaha, Haibike offers a way to get back into a market it pioneered in the 1990s but has almost disappeared from. Haibike and its sister brand, Batavus, are using a new Yamaha mid-motor system, the PW, that was designed for Europe. (Giant uses the motor on some of its

European bikes, but not the Yamaha battery or controller.)

Japan's weak currency is also giving Yamaha a boost, because it makes Japanese products less expensive on the global market.

"The low Japanese currency is helping to push out made-in-Japan e-bike system sales," said Minoru Morimoto, the executive general manager of Yamaha Motor's SPV unit, which markets the e-bike kit. (See tomorrow's Eurobike Show Daily for an in-depth interview with Morimoto.)

Morimoto said Yamaha is focusing on Europe for the launch of the PW system, and later will consider branching into North America and other markets.

"First we concentrate on Europe and then we see," he said. "The Yamaha PW series was made for Europe because our Japanese versions comply with different regulations."

The Sduro line is based on the silhouette of the Xduro models, but "will be offered at lower price points starting from €1,999 [\$2,685],

without compromises in quality and with an athletic, stylish design," said Felix Puello, the Winora brand manager.

The top bike in the Sduro line, the AllMtn Pro, combines the Yamaha PW system with Accell's electronic suspension system, ei:shock. The suspension system draws power from the Yamaha battery so that it doesn't need a separate power source.

"This is the world's first e-mountain bike with electronic suspension control,"

Puello said.

Meanwhile, Xduro remains the top of the Haibike e-performance line. Xduro bikes use the Bosch e-bike system, and some of the bikes are equipped with Bosch's all-in-one Nyon display. Its first full-carbon, full-suspension model, the Xduro Ultimate, is debuting tomorrow at the Haibike booth. ■ JB



From left: Winora Group's Susanne Puello and Felix Puello with Minoru Morimoto of Yamaha and Samuel Hu of Astro Engineering, which makes the Haibike frames. They are showing the new Sduro FullNine RX. (Photo: JB)

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Am Rhein



- 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 – Canoes, 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 **Moleurm** – 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
 Katamaran – 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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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



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Riding & Dining after the show

This relaxing post-Demo ride takes you on a quest for a giant sausage



inches).

It worked: after 20 years, Scharfes Eck was the only independent butcher left in the region. Today, Schober still serves his giant curry sausage.

You'll be filled with new energy after you've tanked up on curry sausage or some of the other traditional dishes at Scharfes Eck. From there, it's only a 10-kilometer ride through the villages of Schnetzenhausen, Berg and Jettenhausen before you end up where you started at Messe Friedrichshafen.

We advise that all cyclists take lights with them, especially if they start riding after the show. Otherwise — especially after a tasty giant sausage and a good German beer or two — the dark forest road between Efrizweiler and Schnetzenhausen could seem surprisingly narrow. **■ Roland Hecht**

Since you're probably tired from trying so many bikes at Demo Day, we offer a relaxed post-show ride that starts at the show grounds and wends its way through such picturesque villages as Berg, Raderach and Leimbach.

As you leave Leimbach and approach the village of Markdorf, at the foot of Gehrenberg Mountain, our route takes you on some lesser-used back roads to avoid traffic, which tends to be heavy at this time of day.

For four kilometers (2.5 miles), you'll ride on a farm road that parallels the busy main road ("Bundesstraße") to Ittendorf.

From here, the ride heads south through a series of meadows. It's easy to imagine this area 200 to 400 years ago, when such fields dominated the entire region between Langenargen and Immenstaad. Instead of a built-up city, Friedrichshafen once boasted only

about 150 homes. Its humid and swampy surroundings were dedicated to farming.

So much for the riding; now for the dining!

Northwest of Friedrichshafen is the village of Kluftern, home to an inn, or Gasthof, run by a well-known local butcher. Called Scharfes Eck ("sharp corner"), the inn is a favorite of FkU members. You'll find it at the roundabout in the middle of Kluftern. Enjoy a meal on the pleasant terrace.

Instead of a five-star chef in a tall hat, you'll be greeted by the butcher, Josef Schober. If he comes straight from the

kitchen, don't be surprised if he is still wearing his rubber butcher's boots.

Instead of haut cuisine, Schober serves up the real deal, German style: from schnitzel to sauerkraut, and from Schlachtplatte ("meat platter") and pork loins to sausage salad. Schober prepares everything daily by himself.

His signature dish — the one that made his reputation, and helped him survive while other butchers fell by the wayside — is a giant curry sausage.

Schober, who moved to Friedrichshafen from northern Germany nearly 40 years ago, had to distinguish himself from competitors when he opened the inn.

He decided to make sausages that were bigger than anyone else's. His giant curry sausage was nearly 40cm long (nearly 16

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'll publish one ride in each issue of the Show Daily.

Today's loop is a 42km (26-mile) ride through the northwest region of Lake Constance around Friedrichshafen. Total climb and descent: 286 meters (938 feet). Altitude range: 62 meters (203 feet). Download the map to your GPS device by scanning the QR code, or visit <http://www.gpsies.com/map.do?fileId=oigatzitdoifnevs>

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Transport Guide

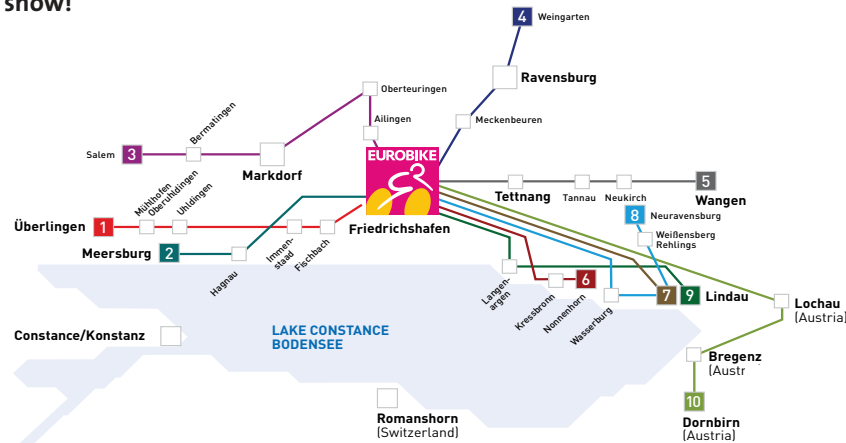
Eurobike Commuter Services

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

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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 – Uhlidingen – 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 Dornier*	7:40	9:25
Fischbach Hotel Maier*	7:43	9:28
Friedrichshafen Hotel Fähr/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 Sabaheim*	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 Schwann*	7:11	8:41
Salem Hotel Reck*	7:14	8:44
Salem Hotel Apfelblüte*	7:18	8:48
Bermatingen Markdorferstraße*	7:23	8:53
Markdorf Bahnhofstraße (Reisebüro Lippmann)*	7:28	8:58
Markdorf Hotel Wirtshof*	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 Mariottentplatz*	7:20	8:50
Weingarten Linse*	7:21	8:51
Ravensburg Charlottenplatz*	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 – Tettang

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
Tettang Bärenplatz*	7:35	9:20
Tettang Seestraße*	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 Nonnenhorn 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 Neuauersburg – Weillensberg – Lindau – Wasserburg

Bus Stop/Haltestelle	Tour 1	Tour 2
Neuauersburg Schwarzenbach*	6:59	8:34
Neuauersburg Gasthof Hirschen*	7:02	8:37
Weillensberg/Rehlings 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 – Eriskirch

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
Eriskirch-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



ZÜRICH Airport/Flughafen – EUROBIKE

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

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	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	18:55 (19:25*)

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!

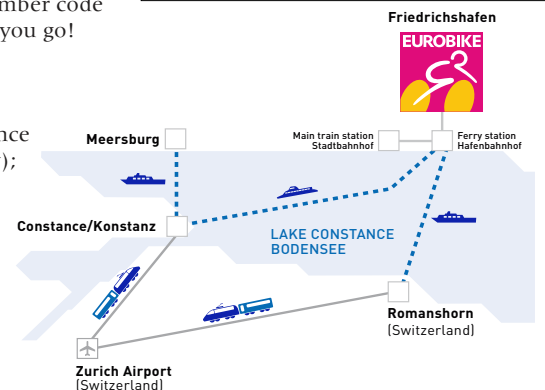
Visitors and exhibitors can make their way to the exhibition center easily and quickly. And what could be a more fitting way of arriving at the world's biggest bicycle show? In the evening, it's easy to get back to their starting point. Get in the Eurobike mode before you even reach the center. And the 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 number 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
- Harbor 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 ("Bodenseefähre") 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/Staad/Konstanz/Staad – Meersburg

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

CATAMARAN | KATAMARAN Constance/Konstanz – Friedrichshafen

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

Friday and Saturday additional departures from Friedrichshafen / Freitag und Samstag zusätzliche Abfahrt von Friedrichshafen: 20:02/22:02

FERRY | BODENSEEFÄHRE Romanshorn – Friedrichshafen

Departure/Abfahrt Romanshorn	From/Von	Until/Bis
Mon-Fri/Mo-Fr	05:36 every/alle 20:36	
Sat-Sun/Sa-So	07:36 every/alle 40 min 20:36	

Departure/Abfahrt Friedrichshafen Ferry Station/Hafen

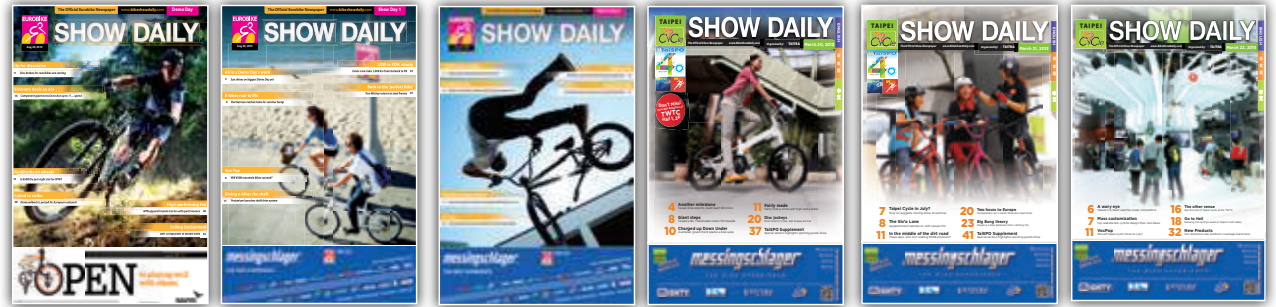
Mon-Fri/Mo-Fr	05:41 every/alle 20:41
Sat-Sun/Sa-So	07:41 every/alle 60 min 20:41

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

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TR507

- Frame: Trigon Venus C8 advanced composite carbon monocoque frame
- Size: C-T 460mm, 490mm, 520mm, 550mm and 580mm
- Fork: Trigon RC71 Venus C8 advanced composite 1 1/8" - 1 1/2" Carbon steerer
- Group set: Shimano Dura Ace
- Brakes: Shimano Dura Ace
- Parts: Trigon
- Wheels: Mavic R-SYS SLR 25



TM959 650B-BIKE

- Frame: Trigon Venus C7 advanced composite carbon monocoque frame
- Size: C-T 15", 17" and 19"
- Fork: ROCKSHOX XC32TK
- Group set: Shimano SLX
- Brakes: Shimano SLX
- Parts: Ritchey alloy
- Wheels: Mavic CROSSRIDE 27.5 INTL 142mm
Option: Shimano MT35



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