

- [01] One touch smarter, more innovative and more connected**
- [02] For eMountain biking with maximum riding enjoyment**
- [03] Smart connected companion for long rides**
- [04] The digital companion for greater safety on eBikes**
- [05] Extra power for drive units**
- [06] Diverse, creative, exclusive**
- [07] The future is now**

Robert Bosch GmbH
Postfach 10 60 50
70049 Stuttgart

Media und Public Relations
Leitung: Melita Delic
Presse-Forum:
www.bosch-presse.de

June 2020

One touch smarter, more innovative and more connected

Bosch eBike Systems presents the new Nyon on-board computer

- ▶ Intuitive touchscreen operation
- ▶ Navigation with notifications and range information
- ▶ Connectivity functions for the complete eBiking experience

Stuttgart/Reutlingen – eBiking will be significantly smarter for the 2021 model year thanks to the new Nyon on-board computer, which is fully connected to the digital eBike world of Bosch eBike Systems. Nyon automatically synchronises the ride data with the eBike Connect app and its associated online portal. While riding, the on-board computer shows eBikers the way, provides fitness data for the work-out and lets them know how much further they can ride in the selected support mode. And all this just by swiping your finger with the new Nyon on-board computer, which can be operated easily and intuitively via a touchscreen.

Making eBiking even more comfortable

The 3.2-inch high-resolution colour display has an impressive functional and elegant design, which has already won the prestigious Red Dot Design Award. The robust touchscreen can be operated even in rainy and dusty conditions, and even with touchscreen-compatible gloves. Nyon can be controlled comfortably while riding using the separate control unit. The on-board computer is easy to read in all riding situations. The display brightness and backlight automatically adjust to any lighting situation. The eBiker can also manually choose between a dark or bright display with maximum contrast. Nyon can be installed in two mounting positions, ensuring the ideal view of the display: The mount for the on-board computer can be placed either above the stem or centrally over the handlebar. The information shown on the display can be configured to your individual needs.

Delivering more riding enjoyment while discovering new routes

eBikers can plan the route for their next trip in the eBike Connect online portal and transfer it to Nyon. Routes from the Outdooractive platform are available in

the portal and tours from the Outdoor app komoot can be imported. Navigation is controlled using the touchscreen: Destinations can be entered manually or selected on the map. The required map section can be easily enlarged and moved just by using your fingers. You can save the current location and even navigate back to it if you wanted to. Notification tones during navigation tell you when to make a turn. Nyon also informs you about the range: A map shows eBikers how far they will get in the selected support mode under the geographic conditions. During ride planning, Nyon knows whether the destination can be reached with the selected support and while on the move, it provides an early 'heads up' if a different mode should be selected to improve the range. This allows eBikers to concentrate fully on their trip.

Increasing motivation while training

The on-board computer can also help you achieve your personal fitness targets: It calculates the eBiker's performance, shows the calorie consumption and can be paired with a heart rate monitor for precise cardio training. During the journey, Nyon compares speed, performance and cadence with the average performance values. Individual performance is shown graphically and analysed in the app and portal. Recorded ride data and tours can be shared using apps like Strava and komoot - for that extra motivational boost. With Nyon, the whole family can get active: It can be shared with several family members or friends and each user can then synchronise their ride data with their own account.

Creating a smart eBike experience

"You share the on-board computer with others, exchange exciting routes with friends and show them exactly where you are. eBikers today want smart, digital solutions that increase riding enjoyment on their eBikes. And with Nyon, you will have the ideal on-board computer for your personal Connected eBiking experience", explains Claus Fleischer, CEO of Bosch eBike Systems. "The connected functions of Nyon also include the 'Lock' premium function for digital additional theft protection. And even more connectivity functions that enrich the cycling experience will follow in the future."

The new Nyon on-board computer is available for retrofitting from specialist dealers from autumn 2020 and is compatible with all drive systems from model year 2014 onwards.

More information: www.bosch-ebike.com/nyon

Press photo 1:



The new Nyon on-board computer - a smarter, more intuitive and more connected generation. The Touch function makes Nyon even more intuitive and a separate control unit can be used while riding.

Press photo 2:



The colour display supports the eBike rider as an intelligent guide when exploring previously unknown places and acts as a personal trainer by providing fitness data.

Press photo 3:



Equally at home on extended rides or short routine trips: The robust and easy-to-read display ensures that eBikers are well equipped for every situation and all weathers.

Press photo 4:



The perfect combination: Nyon is part of a smart connected system and connects the eBiker with the connected eBike World of Bosch via the smartphone app and the online portal.

Media contact:

Robert Bosch GmbH

Tamara Winograd

Director Marketing and Communications Bosch eBike Systems

Phone +49 (0)7121 35-394 64

Tamara.Winograd@de.bosch.com

About Bosch eBike Systems

A new generation of bikes is taking town and country by storm and is already a part of everyday life. eBikes are a modern means of transport for modern people: people in a hurry and people who prefer to take it easy, the fit and the comfort lovers, commuters and pleasure cyclists and, of course, young and old. The tailwind of technology-leading eBikes made by what are already more than 70 leading brands in Europe is powered by components that Bosch is developing to perfection. The Bosch portfolio ranges from the highly efficient drive unit (motor and gearbox) and high-quality batteries to a smart on-board and cycle computer that can be used intuitively. Perfect coordination of components holds the key to typical Bosch performance in terms of both comfort and efficiency. Like other Bosch products, the eBike systems benefit from the Bosch Group's technology and production know-how. From conception and engineering to manufacturing, marketing and after-sales service, Bosch eBike Systems constantly set new standards for the eBike industry. The Bosch Group's experience in the areas of electric motors, sensor technology, displays and lithium-ion batteries ensures that Bosch eBike systems use technology that is invented for life and that eBike users have their fun.

For more information please visit www.bosch-ebike.com

About Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 400,000 associates worldwide (as of December 31, 2019). The company generated sales of 77.7 billion euros in 2019. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. The basis for the company's future growth is its innovative strength. Bosch employs some 72,600 associates in research and development at 126 locations across the globe, as well as roughly 30,000 software engineers.

To learn more, please visit www.bosch.com, iot.bosch.com, www.bosch-press.com, twitter.com/BoschPress.

June 2020

For eMountain biking with maximum riding enjoyment

Bosch Performance Line CX with new features

- ▶ Increased torque for even more acceleration
- ▶ Advanced eMTB mode for ultimate flow
- ▶ Extended Boost for optimum trail performance

Stuttgart/Reutlingen – Starting in summer 2020 eMountain bikers can ride trails with even more dynamism, agility and intuitive handling: Developed for athletic applications, the Performance Line CX from Bosch eBike Systems is getting a comprehensive software update with features that will make a significant difference when trail riding. Extra power comes from an increased maximum torque of up to 85 Nm. Extended Boost increases trail performance on difficult sections, while an advanced eMTB mode provides noticeably more sensitive start-up behaviour on rough surfaces. Software and sensors perfectly combine to optimise the output of the powerful and highly efficient CX drive unit – giving eMountain bikers an unrivalled riding sensation.

Master challenging riding situations

As the benchmark in the eMTB sector, the Performance Line CX typifies pure trail riding enjoyment. This includes the ability to accelerate quickly and powerfully even at low cadences, as well as being able to perform standing starts on the steepest of terrains. These characteristics are getting better still with maximum torque increased to 85 Nm in both eMTB and Turbo modes. The performance upgrade offers full power over a broad cadence range. "This enables unpredictable riding situations to be mastered even more effectively," explains Claus Fleischer, CEO of Bosch eBike Systems. "Delayed gear shifting, for example, is better compensated and acceleration out of tight turns is much more powerful and dynamic." This also means eMountain bikers will have more power readily available in particularly technical sections. In addition, the riding experience feels absolutely natural and free from jolts, even when standing on the pedals or in Turbo mode.

Feel the Flow over a wide range of cadences

In eMTB mode, motor support progressively adapts to the eBiker's individual riding style, depending on the pedal pressure. The software update includes refinements to eMTB mode. New sensor and motor control functions provide even more dynamic and natural support over an extended range of cadences. Claus Fleischer explains: "The retuned eMTB mode gives a further noticeable improvement of the bike's handling on the trails. There is greater traction control and start-up behaviour is much finer and more sensitive, especially in low gears." Consistent with the increased torque, the drive unit supports a wider cadence range and eMTB mode delivers the right power at any given moment – for that ultimate flow.

Negotiate obstacles smoothly

Extended Boost ensures improved performance on challenging sections of trails. This helps eMountain bikers to negotiate exposed roots, steps and stones, even uphill: With appropriate pressure applied to the pedal, the system responds in a fraction of a second and provides the decisive thrust for negotiating an obstacle. This enables the eMTB to be manoeuvred with agility and ease through technically intricate sections of trail. Extended Boost eases pedal management and ensures that the pedals rarely, if ever, jam. The function comes into play in eMTB mode and can be controlled with ease in all riding situations.

Get greater riding enjoyment at all times

Claus Fleischer explains why the Performance Line CX is the ideal drive system for eMountain bikers: "The drive offers maximum thermal stability and extremely high efficiency. Software and sensors perfectly combine to eliminate the often complicated customisation of software characteristic curves. Regular updates combined with our award-winning service enable eMountain bikers to experience a new dimension in riding enjoyment at all times."

The software update will be installable by specialist retailers starting in summer 2020 and is available for all eBikes fitted with Performance Line CX from model year 2020 onwards. Maximum torque is also being increased to 85 Nm for the Cargo Line, Cargo Line Speed and Performance Line Speed drive systems.

More information at: www.bosch-ebike.com/performance-cx

Press photo 1:



Better acceleration out of tight turns and over unexpected steep sections of trail: Increased maximum torque of 85 Nm provides full power over a wider cadence range.

Press photo 2:



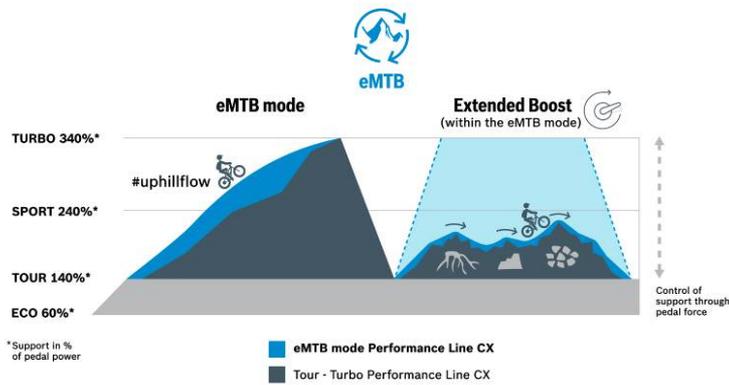
Greater sensitivity than ever before: The returned eMTB mode provides a significant improvement in off-road handling.

Press photo 3:



With the Bosch Performance Line CX eMountain bikers can experience a new dimension of riding enjoyment at all times.

Press photo 4:



The software update includes refinements to eMTB mode. Extended Boost enables eMountain bikers to negotiate exposed roots, steps and stones on the trail with ease, even on severe uphill sections.

Media contact:

Robert Bosch GmbH

Tamara Winograd

Director Marketing and Communications Bosch eBike Systems

Phone +49 (0)7121 35-394 64

Tamara.Winograd@de.bosch.com

About Bosch eBike Systems

A new generation of bikes is taking town and country by storm and is already a part of everyday life. eBikes are a modern means of transport for modern people: people in a hurry and people who prefer to take it easy, the fit and the comfort lovers, commuters and pleasure cyclists and, of course, young and old. The tailwind of technology-leading eBikes made by what are already more than 70 leading brands in Europe is powered by components that Bosch is developing to perfection. The Bosch portfolio ranges from the highly efficient drive unit (motor and gearbox) and high-quality batteries to a smart on-board and cycle computer that can be used intuitively. Perfect coordination of components holds the key to typical Bosch performance in terms of both comfort and efficiency. Like other Bosch products, the eBike systems benefit from the Bosch Group's technology and production know-how. From conception and engineering to manufacturing, marketing and after-sales service, Bosch eBike Systems constantly set new standards for the eBike industry. The Bosch Group's experience in the areas of electric motors, sensor technology, displays and lithium-ion batteries ensures that Bosch eBike systems use technology that is invented for life and that eBike users have their fun.

For more information please visit www.bosch-ebike.com

About Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 400,000 associates worldwide (as of December 31, 2019). The company generated sales of 77.7 billion euros in 2019. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. The basis for the company's future growth is its innovative strength. Bosch employs some 72,600 associates in research and development at 126 locations across the globe, as well as roughly 30,000 software engineers.

To learn more, please visit www.bosch.com, iot.bosch.com, www.bosch-press.com, twitter.com/BoschPress.

June 2020

Smart connected companion for long rides

Kiox on-board computer now with navigation and customisable display

- ▶ New navigation function via the smartphone
- ▶ Selection of the ride data to be displayed can be configured as required
- ▶ Technical improvements optimise the eBike experience

Stuttgart/Reutlingen – Small, connected and pioneering: Kiox connects ambitious sporty eBikers to the digital world via the eBike Connect smartphone app, while also enabling them to navigate from A to B. For model year 2021, Bosch eBike Systems is extending the small, robust on-board computer to include a navigation function. In addition, eBikers will also have the option of customising the ride data display. This makes Kiox the perfect companion, ensuing pure riding enjoyment on longer trips.

Optimum orientation

Kiox uses the smartphone for navigation purposes. The on-board computer connects with the eBike Connect Smartphone App on which navigation is running via Bluetooth. The planned trip is shown on the on-board computer display as a line that indicates the route for the eBiker. For ease of orientation at all times, the view on the display rotates in the direction of movement while riding. This makes it easy for eBikers to navigate tracks. Kiox also tells you just how far you are from your destination. It's easy to plan routes using the eBike Connect App or online portal and to send them to Kiox. When connected with komoot or Outdooractive, eBikers will find lots more rides to choose from.

Customised display

The new display, which can be configured as required, ensures an even more individual riding experience. The screens and the selection of ride data such as speed, performance or battery charge can be easily adapted to the rider's own wishes. eBikers can decide for themselves just how much information they want to see on the display.

Always up-to-date

eBike Connect App and online portal give the eBike access to the connected eBike world. The on-board computer uses Bluetooth to synchronise all relevant ride data with the app. These can be evaluated after the trip in the app or online portal. The update extends the functional scope of Kiox and also includes various technical improvements such as the stabilisation of the Bluetooth coupling. This ensures a better connection between Kiox and the eBike Connect App. "We use regular software updates to introduce new features for our on-board computers, while also continuing to optimise the way our products work. This is something familiar from smartphones and TVs. It is the same for our connected on-board computers. This is how we ensure that eBikers will enjoy the connected experience for a long time to come," explains Claus Fleischer, CEO of Bosch eBike Systems.

The new Kiox functions will be available as a software update from summer 2020 onwards and will be synchronised automatically. The on-board computer is available for retrofitting from specialist dealers from summer 2020 and is compatible with all product lines from model year 2014 onwards.

More information: www.bosch-ebike.com/kiox

Press photo 1:



Always on the right track: The new Kiox navigation function supports eBikers as they explore unfamiliar areas.

Press photo 2:



Navigation is by means of the smartphone connected to the Kiox on-board computer via Bluetooth.

Press photo 3:



Screens and the choice of riding data to be displayed can be easily configured on Kiox and thus adapted to your own needs.

Press photo 4:



Small, connected and pioneering: Starting with model year 2021, Kiox offers ambitious sporty eBikers access to the digital world via the eBike Connect smartphone app, while also enabling them to navigate to their destination.

Media contact:

Robert Bosch GmbH

Tamara Winograd

Director Marketing and Communications Bosch eBike Systems

Phone +49 (0)7121 35-394 64

Tamara.Winograd@de.bosch.com

About Bosch eBike Systems

A new generation of bikes is taking town and country by storm and is already a part of everyday life. eBikes are a modern means of transport for modern people: people in a hurry and people who prefer to take it easy, the fit and the comfort lovers, commuters and pleasure cyclists and, of course, young and old. The tailwind of technology-leading eBikes made by what are already more than 70 leading brands in Europe is powered by components that Bosch is developing to perfection. The Bosch portfolio ranges from the highly efficient drive unit (motor and gearbox) and high-quality batteries to a smart on-board and cycle computer that can be used intuitively. Perfect coordination of components holds the key to typical Bosch performance in terms of both comfort and efficiency. Like other Bosch products, the eBike systems benefit from the Bosch Group's technology and production know-how. From conception and engineering to manufacturing, marketing and after-sales service, Bosch eBike Systems constantly set new standards for the eBike industry. The Bosch Group's experience in the areas of electric motors, sensor technology, displays and lithium-ion batteries ensures that Bosch eBike systems use technology that is invented for life and that eBike users have their fun.

For more information please visit www.bosch-ebike.com

About Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 400,000 associates worldwide (as of December 31, 2019). The company generated sales of 77.7 billion euros in 2019. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. The basis for the company's future growth is its innovative strength. Bosch employs some 72,600 associates in research and development at 126 locations across the globe, as well as roughly 30,000 software engineers.

To learn more, please visit www.bosch.com, iot.bosch.com, www.bosch-press.com, twitter.com/BoschPress.



June 2020

The digital companion for greater safety on eBikes **The 'Help Connect' premium function provides quick assistance in an emergency**

- ▶ Intelligent algorithm of the COBI.Bike app recognises a fall
- ▶ Help Connect premium function triggers an emergency call in the event of an accident
- ▶ Trained service personnel provide 24/7 emergency support

Stuttgart/Reutlingen – For the new model year, Bosch eBike Systems is presenting a service that quickly provides assistance in the event of an accident - thus further enhancing safety when eBiking. Help Connect is a premium function of the COBI.Bike app and gives eBikers a digital companion that will alert a trained service team in the event of an emergency. The service team will then initiate the rescue chain as necessary. "Safety is of the utmost priority for us. That's why we are always working on technologies and solutions to make eBiking even safer", says Claus Fleischer, CEO of Bosch eBike Systems. "Like our eBike ABS, Help Connect can also play a valuable role in eBike safety. It will help save time in critical situations."

Emergency call following automatic accident detection

The first few minutes are vitally important after an accident happens. Precious time is often lost before someone finds an eBike rider who has crashed and the emergency services find the scene of the incident. This is where the COBI.Bike app and Help Connect come in: The smartphone app uses an intelligent algorithm to recognise that the eBiker has fallen and how bad the accident was likely to have been. In the event of an accident, an emergency call is made via Help Connect. A trained service team on call around the clock is alerted, and immediately informs the emergency services.

"Automatic emergency call systems are already familiar in cars, where they are now actually mandatory for new vehicle models. However, the system also makes sense for eBikes too," explains Claus Fleischer. That's because cyclists often ride alone. If a rider has a fall on a remote route or trail, it can have serious consequences. "Help Connect accompanies eBikers on their trips, not only giving them a sense of security, but also their friends and family."

Geolocation and manual activation

To help the emergency services get to the scene of the accident quickly, Help Connect uses the smartphone's data connection to transmit the current coordinates and the severity of the accident. After an accident has been detected, the smartphone emits warning tones to alert anyone in the immediate area. First aiders can be made aware of the accident more quickly, enabling faster assistance. In addition, eBikers can also contact the Help Connect Service manually at any time. "We developed this feature in collaboration with Bosch.IO GmbH. The Help Connect service is also available for cars, motorcycles and smart homes. This makes us all the more pleased that eBikers will now also benefit from this digital companion in future," explains Claus Fleischer.

Help Connect availability

Help Connect is available for iOS and Android devices. To be able to use the premium function, the smartphone on which the COBI.Bike App is installed must be connected to a mobile network. In addition, Help Connect is currently only available to users with German SIM cards. This SIM card enables users to communicate with the service team in German or English, even beyond Germany's borders in the following countries: Austria, Switzerland, France, Belgium, Netherlands, Luxembourg, Great Britain, Ireland, Italy and Spain. Help Connect is a premium function of the COBI.Bike app and is available for eBikes with SmartphoneHub and COBI.Bike.

More information: www.bosch-ebike.com/help-connect

Press photo 1:



Fast support in emergencies: Help Connect, a COBI.Bike app premium function, can be relied upon to provide quick assistance in the event of an accident, thus enhancing safety for eBikers.

Press photo 2:



Help Connect is a premium function of the COBI.Bike app and is available for eBikes with SmartphoneHub and COBI.Bike.

Press photo 3:



The COBI.Bike App uses a smart algorithm to recognise whether and how badly the eBiker may have fallen.

Press photo 4:



For a great feeling on every ride: The COBI.Bike App and Help Connect offer eBikers an alert, digital companion at their side.

Media contact:

Robert Bosch GmbH

Tamara Winograd

Director Marketing and Communications Bosch eBike Systems

Phone +49 (0)7121 35-394 64

Tamara.Winograd@de.bosch.com

About Bosch eBike Systems

A new generation of bikes is taking town and country by storm and is already a part of everyday life. eBikes are a modern means of transport for modern people: people in a hurry and people who prefer to take it easy, the fit and the comfort lovers, commuters and pleasure cyclists and, of course, young and old. The tailwind of technology-leading eBikes made by what are already more than 70 leading brands in Europe is powered by components that Bosch is developing to perfection. The Bosch portfolio ranges from the highly efficient drive unit (motor and gearbox) and high-quality batteries to a smart on-board and cycle computer that can be used intuitively. Perfect coordination of components holds the key to typical Bosch performance in terms of both comfort and efficiency. Like other Bosch products, the eBike systems benefit from the Bosch Group's technology and production know-how. From conception and engineering to manufacturing, marketing and after-sales service, Bosch eBike Systems constantly set new standards for the eBike industry. The Bosch Group's experience in the areas of electric motors, sensor technology, displays and lithium-ion batteries ensures that Bosch eBike systems use technology that is invented for life and that eBike users have their fun.

For more information please visit www.bosch-ebike.com

About Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 400,000 associates worldwide (as of December 31, 2019). The company generated sales of 77.7 billion euros in 2019. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. The basis for the company's future growth is its innovative strength. Bosch employs some 72,600 associates in research and development at 126 locations across the globe, as well as roughly 30,000 software engineers.

To learn more, please visit www.bosch.com, iot.bosch.com, www.bosch-press.com, twitter.com/BoschPress.

June 2020

Extra power for drive units

Software updates for Bosch eBike drive systems

- ▶ Cargo Line ensures even more comfortable riding under load
- ▶ Performance Line Speed offers a bigger boost on daily journeys
- ▶ Performance Line CX has new features for eMountain bikers

Stuttgart/Reutlingen – For model year 2021 Bosch eBike Systems is providing software updates for Cargo Line, Cargo Line Speed, Performance Line Speed and Performance Line CX (from model year 2020 onwards). Now with a maximum torque of 85 Nm and further advances in the software, eBikers benefit from an even more natural and dynamic riding sensation. The increased drive torque ensures greater performance, particularly evident at low cadences: for even greater riding enjoyment in the city, out in the countryside and on the trails.

Easier acceleration with Cargo Line and Cargo Line Speed

Cargo Line makes goods easy and comfortable to transport by eCargo bike. The drive unit comes in two variants – the first with support for up to 25 km/h, and then Cargo Speed for up to 45 km/h. With the software update, cargo bikers will benefit from a stronger torque of 85 Nm as well as more dynamic adjustment. The motor provides even more powerful support at low cadences. This makes uphill starts easier, as well as delivering appreciable acceleration when loaded up – and thus ensures stress-free transporting of heavy goods.

More dynamic riding sensation with Performance Line Speed

Performance Line Speed accelerates S-pedelecs up to 45 km/h, so long distances can be covered with ease. From model year 2021 onwards the drive will provide a maximum torque of 85 Nm. This ensures a bigger boost and a more dynamic riding sensation, both of which are especially evident at low cadences. High speeds are quickly achieved and long distances can be covered effortlessly.

Experience the ultimate in eMTBing with Performance Line CX

Compact, lightweight and with more power, Performance Line CX combines high quality materials, an extremely powerful drive and high-end sensors. With the

software update, eMountain bikers can look forward to new motor control features, increased torque of up to 85 Nm, and further advances in eMTB mode. The riding experience is thus even more natural, intuitive and powerful. This brings eMountain biking on the trail to a whole new level.

Software update available from summer 2020

Software updates for Cargo Line and Performance Line CX (from model year 2020 onwards) will be installable by specialist retailers starting in summer 2020. Cargo bikes with Cargo Speed and S-pedelecs with Performance Speed drive units cannot be retrofitted.

Press photo 1:



With the Cargo Line software update, cargo bikers will benefit from a stronger torque of 85 Nm as well as more dynamic adjustment.

Press photo 2:



From model year 2021 onwards Performance Line Speed will accelerate with a maximum torque of up to 85 Nm.

Press photo 3:



With the software update for model year 2021, eMountain bikers can look forward to new motor control features, increased torque of up to 85 Nm and further advances in eMTB mode.

Media contact:

Robert Bosch GmbH

Tamara Winograd

Director Marketing and Communications Bosch eBike Systems

Phone +49 (0)7121 35-394 64

Tamara.Winograd@de.bosch.com

About Bosch eBike Systems

A new generation of bikes is taking town and country by storm and is already a part of everyday life. eBikes are a modern means of transport for modern people: people in a hurry and people who prefer to take it easy, the fit and the comfort lovers, commuters and pleasure cyclists and, of course, young and old. The tailwind of technology-leading eBikes made by what are already more than 70 leading brands in Europe is powered by components that Bosch is developing to perfection. The Bosch portfolio ranges from the highly efficient drive unit (motor and gearbox) and high-quality batteries to a smart on-board and cycle computer that can be used intuitively. Perfect coordination of components holds the key to typical Bosch performance in terms of both comfort and efficiency. Like other Bosch products, the eBike systems benefit from the Bosch Group's technology and production know-how. From conception and engineering to manufacturing, marketing and after-sales service, Bosch eBike Systems constantly set new standards for the eBike industry. The Bosch Group's experience in the areas of electric motors, sensor technology, displays and lithium-ion batteries ensures that Bosch eBike systems use technology that is invented for life and that eBike users have their fun.

For more information please visit www.bosch-ebike.com

About Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 400,000 associates worldwide (as of December 31, 2019). The company generated sales of 77.7 billion euros in 2019. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. The basis for the company's future growth is its innovative strength. Bosch employs some 72,600 associates in research and development at 126 locations across the globe, as well as roughly 30,000 software engineers.

To learn more, please visit www.bosch.com, iot.bosch.com, www.bosch-press.com, twitter.com/BoschPress.



June 2020

Diverse, creative, exclusive **Bike manufacturers produce special edition eBikes to mark the anniversary of Bosch eBike Systems**

- ▶ A manufacturer competition was the motive for innovative anniversary bikes
- ▶ The winners in three categories present their special models
- ▶ From high-end eMTBs to touring eBikes with artistic designs

Stuttgart/Reutlingen – On the occasion of the tenth anniversary of drive systems from Bosch eBike Systems, selected manufacturers have designed a number of exclusive anniversary bikes. The eBikes are limited edition models from established eBike manufacturers and were selected as part of a competition. In addition to the unique designs produced solely for the competition, the bicycles also contain special elements in honour of the Bosch anniversary. The bikes represent the successful cooperation between Bosch and the bicycle manufacturers and reflect the creativity and diversity found in the eBike segment.

Competition announced for manufacturers

For a decade now, Bosch eBike Systems has been setting new standards with high quality drive systems for eBikes and using innovative solutions to shape the future of bicycle mobility. Bosch unveiled its first production-ready eBike drive system at Eurobike 2010 and commenced series production shortly after. Model year 2021 marks ten years that the systems have been on the market - a market that has developed rapidly and that continues to show strong growth. To celebrate this anniversary, Bosch eBike Systems launched a competition at Taichung Bike Week 2018: Pedelec manufacturers who install eBike systems from Bosch were invited to submit suggestions for innovative anniversary bikes.

Exclusive and creative: The anniversary bikes

The special anniversary bikes are only produced by the prize-winning manufacturers in limited numbers. One of Bosch's requirements was that certain pre-defined products had to be used. The winners chose the new Nyon on-board computer, available from autumn 2020, including for retrofitting by specialist dealers. The bikes are equipped with a special anniversary version of Nyon and the Performance Line and Performance Line CX drive units also feature an anniversary

design. A Bosch jury evaluated the entries received across a number of different categories: Future Design, Unique Character and Bosch Heritage. Cannondale, Cube and Moustache emerged as the winning manufacturers.

Cannondale: Lean and powerful on a variety of terrains

Cannondale won the "Future Design" category with a special model of the "Topstone Neo Carbon Lefty LE". In visual terms, this racer appears particularly lean and powerful with the perfectly integrated Performance Line CX and the black and copper paint finish. To ensure speed is equalled by comfort on all surfaces, the eGravel bike has concealed full suspension with 30 mm of sprung travel. It is designed for versatile riders who do not want to be limited to a single application or a specific terrain. "Bosch and Cannondale have been partners in the eBike world from the very start," said Henning Schröder, Senior Vice President Product Development at Cannondale. "Over the past ten years, Bosch has continuously expanded the scope of what we all thought was possible with the eBike. We want to pay tribute to this achievement with a special bike that challenges the status quo and inspires its riders to go further than ever before." The special model of the "Topstone Neo Carbon Lefty LE" will be available in a limited edition of 50 from the middle of September 2020 at European Cannondale retailers (9,499 euros RRP).

Cube: State-of-the art eMountain bike with an unusual design

Cube emerged as the winning manufacturer in the "Unique Character" category. The limited special edition of the "Stereo Hybrid 140 29" shows how eMountain bikes have developed in recent years. As well as Nyon, the latest CX motor is also installed, and the shifting system and dropper seatpost are all electrified and wireless. The chassis, wheels, brakes and tyres are perfectly adapted to eMTB conditions. A special High Performance Composite (HPC) carbon frame with sophisticated geometry and kinematics brings together all components to create a top-class technical virtuoso. Nico Lindner, eBike Product Manager at Cube, says: "Bosch laid the foundations for a revolution with the first eBike drive system ten years ago, leading to tangible and sustainable change throughout a whole industry. Our special Stereo Hybrid 140 29 model reflects this change. The unusual design and attention to detail make the limited special model from Cube an absolute highlight for the upcoming season." The sale price is 9,999 euros (RRP). Any Cube dealers interested can apply for one of the special models, which are a limited edition of 99. In the end it will be the luck of the draw.

Moustache: The eBike as a work of art, or "10 years of pure life"

The "Bosch Heritage" category was about designing a bike that focuses on the special partnership between the manufacturer and Bosch eBike Systems. The

winner is French brand Moustache, which presents an anniversary model of the "Friday 28 Travel" as a work of art that represents "10 years of pure life". The anniversary bike echoes a special story from the early days of cooperation between the two brands: Bosch's Account Manager responsible for Moustache rode an eBike from the former Bosch production site in Mondeville to the headquarters of Bosch eBike Systems in Reutlingen, also paying a visit to Moustache in Rambervillers, where the business was founded. Emmanuel Antonot, CEO at Moustache, explains: "The anniversary bike is intended as a way of taking this journey all over again. Exploring new avenues, expanding one's horizons, spending quality time with friends, having fun eBiking - in other words, what we have been doing for ten years. For us, the ten years of working with Bosch have been ten years full of fantastic experiences."

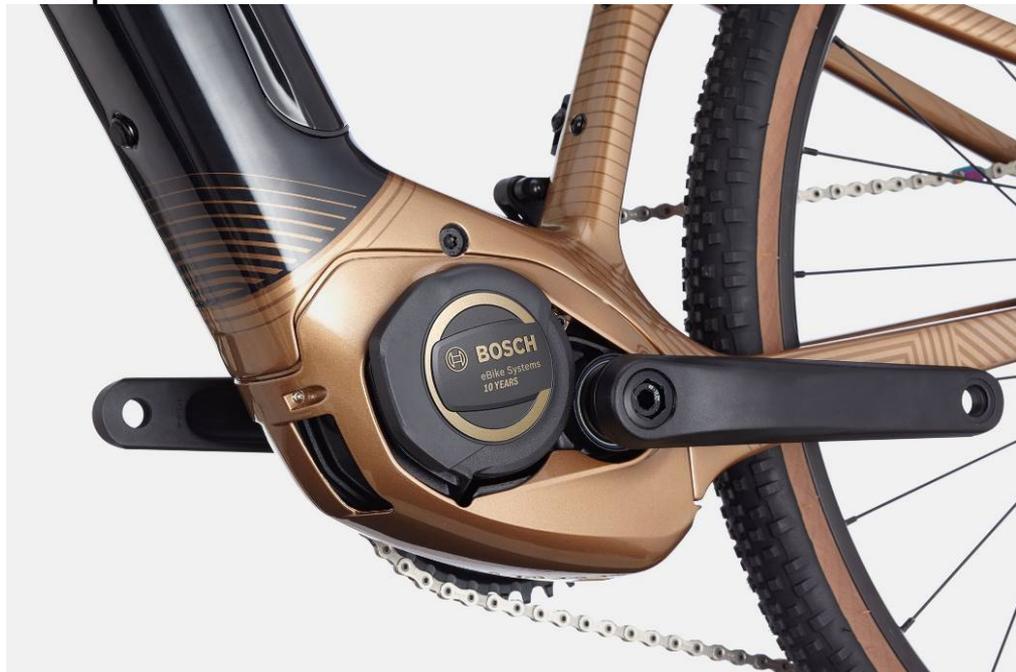
In the Hidden Power concept, the manufacturer of the "smiling machines" has elegantly incorporated a Bosch PowerPack 500 into the frame. In addition, the special "Friday 28 Travel" model has space for additional batteries, enabling the route from Mondeville to Reutlingen to be covered without having to recharge. Ten very special bikes will be produced, each with an individual paint job designed by the two artists Vincent Loisy and Loick Gravier alias Sakew. The bikes are to be auctioned off, with the revenues going to good causes.

Press photo 1:



Cannondale won the "Future Design" category with a special model of the "Topstone Neo Carbon Lefty LE".

Press photo 2:



The anniversary bike from Cannondale looks particularly lean and powerful with the perfectly integrated Performance Line CX and the black and copper paint finish.

Press photo 3:



Cube emerged as the winning manufacturer in the "Unique Character" category with its special limited edition "Stereo Hybrid 140 29".

Press photo 4:



Cube's anniversary bike is fitted with the Nyon on-board computer and the Performance Line CX. A special High Performance Composite (HPC) carbon frame brings together all components to create a top-class technical virtuoso.

Press photo 5:



The winner in the "Bosch Heritage" category is French brand Moustache, which presents an anniversary model of the "Friday 28 Travel" as a work of art.

Press photo 6:



In the Hidden Power concept, Moustache has elegantly incorporated a Bosch PowerPack 500 into the frame. The anniversary bike also offers space for additional batteries.

Media contact:

Robert Bosch GmbH

Tamara Winograd

Director Marketing and Communications Bosch eBike Systems

Phone +49 (0)7121 35-394 64

Tamara.Winograd@de.bosch.com

About Bosch eBike Systems

A new generation of bikes is taking town and country by storm and is already a part of everyday life. eBikes are a modern means of transport for modern people: people in a hurry and people who prefer to take it easy, the fit and the comfort lovers, commuters and pleasure cyclists and, of course, young and old. The tailwind of technology-leading eBikes made by what are already more than 70 leading brands in Europe is powered by components that Bosch is developing to perfection. The Bosch portfolio ranges from the highly efficient drive unit (motor and gearbox) and high-quality batteries to a smart on-board and cycle computer that can be used intuitively. Perfect coordination of components holds the key to typical Bosch performance in terms of both comfort and efficiency. Like other Bosch products, the eBike systems benefit from the Bosch Group's technology and production know-how. From conception and engineering to manufacturing, marketing and after-sales service, Bosch eBike Systems constantly set new standards for the eBike industry. The Bosch Group's experience in the areas of electric motors, sensor technology, displays and lithium-ion batteries ensures that Bosch eBike systems use technology that is invented for life and that eBike users have their fun.

For more information please visit www.bosch-ebike.com

About Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 400,000 associates worldwide (as of December 31, 2019). The company generated sales of 77.7 billion euros in 2019. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. The basis for the company's future growth is its innovative strength. Bosch employs some 72,600 associates in research and development at 126 locations across the globe, as well as roughly 30,000 software engineers.

To learn more, please visit www.bosch.com, iot.bosch.com, www.bosch-press.com, twitter.com/BoschPress.

June 2020

The future is now

Bosch eBike Systems presents its eBike Design Vision

- ▶ Concept Bike to mark the 10th anniversary of the Bosch drive system
- ▶ Design integration of the Bosch components
- ▶ Impetus for the eBike of the future

Stuttgart/Reutlingen – In 2010, Bosch eBike Systems presented its first drive system for eBikes. Both the market and the eBike design have developed rapidly over the past 10 years: from the step-through model to the mountain bike - virtually all bicycle types are available electrified these days. At the same time, the system components have become increasingly seamlessly integrated in the bicycle design. This development is far from over: With the eBike Design Vision, Bosch eBike Systems presents the integration of its components in a way that provides the impetus for the eBike design of the future.

Drive and battery incorporated in the frame

The Concept Bike is designed as an Urban Sports Cruiser - its carbon frame with fully integrated front and rear suspension offers maximum comfort for city adventures, commuter trips and off-road trails. The Bosch drive system merges with the frame and handlebar to form one unit in this design concept. The perfect integration of the Performance Line CX, the PowerTube 625, the new Nyon on-board computer and the Bosch eBike ABS make the eBike Design Vision a visual experience. The Performance Line CX is fully incorporated in the white carbon frame structure that surrounds it. Side cooling channels in the frame produce the necessary "cooling effect" for the powerful, dynamic drive while riding. The PowerTube 625 is integrated in the downtube and can be removed for charging. Sophisticated design aspects reduce the volume and give the Concept Bike a particularly dynamic look. For example, the battery cover tapers onto the drive unit, forming a single visual unit and reinforcing the clear edge between white and black areas.

Fully integrated cockpit

The carbon handlebar unit also has a clean, linear design. The new fully connected Nyon on-board computer is particularly nicely incorporated in the middle of the cockpit. Even the remote for the on-board computer and the two brake levers visually form a single unit with the black handlebar. The cables and hydraulic hoses of the brake system run inside the cockpit structure - so that nothing detracts from the design and the shape. The eBike Design Vision is also equipped with the Bosch eBike ABS. The ABS unit is hidden behind the front luggage rack and fits elegantly into the overall look. The front light - a permanent LED daytime riding light powered by the PowerTube 625 - is attached under the front luggage rack. The LED rear light integrated in the frame rounds off the Concept Bike and adds to its dynamic, futuristic look.

Further development of the eBike design

"Our aim in developing the eBike Design Vision is to show what is already possible today when it comes to functional design integration and investigate where the journey might take us in the future", says Claus Fleischer, CEO of Bosch eBike Systems. "Because eBikes are becoming more confident - even in terms of design." While the eBike was previously primarily about finding the optimum design for the individual components, the eBike of the future will focus on vehicle design. A specific eBike design language will develop that considers the eBike as a whole. This is an approach that the eBike Design Vision already adopts.

"The emphasis is on the joy of eBiking - and visual and design aspects play an important role here, as do optimum riding dynamics, whether on the road or on the trail", says Claus Fleischer. "It is important to us that our products should provide the perfect basis for manufacturers' future design concepts. That's why we continue to develop our system, aiming for a natural, comfortable and connected eBike riding experience."

Press photo 1:



With the eBike Design Vision, Bosch eBike Systems presents the integration of its components in a way that provides the impetus for the eBike design of the future.

Press photo 2:



The carbon handlebar unit also has a clean, linear design. The new fully connected Nyon on-board computer is particularly nicely incorporated in the middle of the cockpit.

Press photo 3:



The Performance Line CX is fully incorporated in the white carbon frame structure that surrounds it.

Press photo 4:



The eBike Design Vision is also equipped with the Bosch eBike ABS. The ABS unit is hidden behind the front luggage rack and fits elegantly into the overall look.

Media contact:

Robert Bosch GmbH

Tamara Winograd

Director Marketing and Communications Bosch eBike Systems

Phone +49 (0)7121 35-394 64

Tamara.Winograd@de.bosch.com

About Bosch eBike Systems

A new generation of bikes is taking town and country by storm and is already a part of everyday life. eBikes are a modern means of transport for modern people: people in a hurry and people who prefer to take it easy, the fit and the comfort lovers, commuters and pleasure cyclists and, of course, young and old. The tailwind of technology-leading eBikes made by what are already more than 70 leading brands in Europe is powered by components that Bosch is developing to perfection. The Bosch portfolio ranges from the highly efficient drive unit (motor and gearbox) and high-quality batteries to a smart on-board and cycle computer that can be used intuitively. Perfect coordination of components holds the key to typical Bosch performance in terms of both comfort and efficiency. Like other Bosch products, the eBike systems benefit from the Bosch Group's technology and production know-how. From conception and engineering to manufacturing, marketing and after-sales service, Bosch eBike Systems constantly set new standards for the eBike industry. The Bosch Group's experience in the areas of electric motors, sensor technology, displays and lithium-ion batteries ensures that Bosch eBike systems use technology that is invented for life and that eBike users have their fun.

For more information please visit www.bosch-ebike.com

About Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 400,000 associates worldwide (as of December 31, 2019). The company generated sales of 77.7 billion euros in 2019. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. The basis for the company's future growth is its innovative strength. Bosch employs some 72,600 associates in research and development at 126 locations across the globe, as well as roughly 30,000 software engineers.

To learn more, please visit www.bosch.com, iot.bosch.com, www.bosch-press.com, twitter.com/BoschPress.