"The eBike as we know it was completely rethought in order to launch the next generation of ePerformance. With FLYON we have been able to create a system according to our understanding and concepts. This system enables eBike riding as it should feel in our opinion: self-evidently and powerful. All components seamlessly integrate into the overall design, which convinces with a high level of integration."

— Ingo Beutner // Head of Engineering Haibike

"With FLYON, our vision was to bring the first-ever Haibike ePerformance system to life in a design language which not only embodies Haibike's brand values but enhances them. Haibike's core values are being brave, leading, innovative and dynamic. FLYON speaks exactly this language, but also successfully bridges the gap to visible integration and digitalization. It's radical simplicity and pure shapes mixed with dynamic lines and surfacing make FLYON the new ePerformance icon."

— Benjamin Turck // Industrial Design Lead HDCM

"For 2019, we are introducing for the first time a complete Haibike ePerformance system."

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"Whether design, integration, performance or digitization — FLYON sets new standards in all fields!"
Discover a world full of new possibilities. Exploring new frontiers, by day and by night. With FLYON, we are introducing the next generation of ePerformance.

New motor, innovative operating concept, more connectivity and intelligent design: Whether in terms of integration, digitisation or performance — FLYON sets new standards in the high-end sector. Behind the first Haibike–own ePerformance system stands German engineering power combined with intelligent technology and many years of know-how.

All components have been developed by Haibike and fit in a system that can be operated easily and intuitively.
For the central interface between rider and system we developed a remote that can be operated intuitively, which follows the compact FLYON design language and provides perfect ergonomics: The mode switch is assembled below the handlebar and can be reached via thumb even during the ride. Not only the mode display serves as feedback, but also a clearly visible LED strap on the remote which changes the colour depending on the level of assistance.

“The position of every element on the display has a purpose and offers a clear benefit for the rider. The operation is both intuitive and self-evident.”
– INGO BEUTNER, HEAD OF ENGINEERING

The colour display centrally positioned above the stem is easy to read in every situation due to the transflective design. Current riding data and system information are displayed on four changeable screens. It is also possible to display and analyse training-relevant data such as pulse measurement, cadence or calorie consumption.
With the Haibike Twin Tail Lights you can keep on riding even after the sun sets! Eight highly-efficient LEDs make the eBike easily visible also from the side.

**FRAME**

**ALL NEW CARBON FRAME**
We designed and engineered a completely new frame platform around the FLYON models, made of high-quality carbon and utilising a strong and sturdy form language. The Haibike ePerformance system was designed with the goal of achieving a high level of integration through the development of a new, space-saving mounting system for the battery. The battery is inserted longitudinally into a closed profile down tube, which allows for a lighter and more stable construction.

**INTEGRATION**

**TTL — TWIN TAIL LIGHTS**
With the Haibike Twin Tail Lights you can keep on riding even after the sun sets! Eight highly-efficient LEDs make the eBike easily visible also from the side.

**PROTECTION**

**THE HAIBIKE SKIDPLATE**
The Haibike skidplate is a motor cover made of fibre-reinforced plastic and protects the motor effectively from direct impacts when you ride over obstacles as well as from dirt and impacts from stones and other trail debris.

**ENGINE**

**HAIBIKE HPR 120S**
Conquer steep ascents, "fly" over trails, explore new frontiers and extend them: An extra strong power package — made in Germany — ensures the necessary power when you need it, with perfect modulation possible through the five custom assist modes. Together with the technology supplier TQ we developed a dynamic motor that is the most powerful mid motor on the market at the moment providing up to 120 Nm torque. Thanks to its patented transmission the motor offers extreme power and efficiency in a compact package.
TECHNIK

HAIBIKE DESIGNED & ENGINEERED 42T / 38T
A specially constructed and designed Direct Mount chain ring is available with 38 or 42 teeth to give you an optimum cadence and transmit power to the drivetrain. The alternating narrow wide tooth design helps to lock the chain to the chainring and stops your chain falling off over rough terrain.

LIGHT
HAIBIKE SKYBEAMER
Why only master difficult trails and demanding routes by day? The Skybeamer is available in three versions with 150, 300 or 5,000 lumen meaning you can now safely stay out riding after dark! Parking your bike for the short and dark days during the winter months will now be a thing of the past thanks to the powerful headlight. With the Skybeamer 5000 we developed an independent system with daytime running light, which provides a classic low beam as well as a high beam light with over 5,000 lumen. The light can be operated manually via remote or fully automatically via a brightness sensor in the display.

BATTERY
HAIBIKE INTUBE BATTERY 630 Wh
Together with our technology partner BMZ we developed a 48 Volt energy storage system with an extremely high energy density and 630 Wh capacity. On the inside the battery connects via magnet and can be secured against theft by a lock developed in collaboration with ABUS. The battery level can be checked via touch sensor. The waterproof battery can be charged via a 4 amp charger either directly through the bike, or separately when removed.

CLEAN INTEGRATED CABLE ROUTING
With the FLYON system we were able to set new standards regarding cable routing. Both hardtail and full-suspension bikes have all of their electric, hydraulic and mechanical cables routed through the frame. The benefits to this are improved reliability and clean optics giving the FLYON models a clean and elegant silhouette.
The Block-lock headset in the new FLYON models limits the steering angle to the left and right and successfully stops your levers from hitting the top tube which can cause paint damage if your bars spin around.

**INTEGRATION SPEED SENSOR DISC**

A newly developed speed sensor disc sends 18 signals per rotation of the wheel to the system and measures the speed 18 times more accurately than any other system available on the market. In this way, the system is able to react significantly faster and more dynamically to changing requirements and recognises acceleration even at slow speeds, e.g. hill starts. The sensor itself is safely positioned out of the way of harm and integrated in the left frame dropout.
Our all new long travel FLYON models were designed to get you to the top of your favourite trails faster than ever before, ready to shred back down, again, and again.

Whilst other motors struggle to stay over 15 km/h on steep climbs, our HPR 120S motor with 120 Nm of torque keeps you at a steady 25 km/h in the new XTREME mode! Flying uphill was never this fun before!

Thanks to 180 mm of terrain smoothing travel, Enduro focused geometry and our new carbon frames designed with a flip-chip, you can now customise your bikes geometry to find the most most comfortable setup no matter your riding style or skill level.

With the amount of ground you will cover on this bike, and how often you will want to ride it, you will quickly become a better rider on the all new NDURO!

With the same all new HPR 120S motor as it’s big brother, our 2018 FLYON ALLMTN models were designed and engineered to let you travel in first class up and down the trails!

The 29” front tire offers precision and rollover comfort, whilst the 27.5”+ tire on the back gives the 120 Nm motor traction to tackle the steepest climbs.

The flip-chip geometry of our new carbon fibre frame, coupled with a nimble 150 mm of suspension travel and our long lasting 630 Wh intube battery let you ride better, further and faster.

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With the amount of ground you will cover on this bike, and how often you will want to ride it, you will quickly become a better rider on the all new NDURO!
At times everybody feels the need to spread their wings and set off into the unknown, and explore off the beaten track. To do that you need to be confident. The new HAIBIKE ALLTRAIL with the FLYON ePERFORMANCE SYSTEM gives you that confidence.

With 140 mm of travel on the front and Plus tires you can rest assured that you will travel in comfort. The new HPR 120S motor offers 5 different assistance modes, so you can always find your groove, your perfect cadence, no matter how far, or on what kind of trail you want to ride. An integrated headlight and twin tail lights mean you no longer need to worry about being stuck out after dark either.

If you are looking for a bike that can ride all trails, the HAIBIKE ALLTRAIL is ready when you are.

Spontaneity is the best kind of adventure, and with an all new XDURIO ADVENTR at your disposal, you are always ready to go!

Life was meant for adventure and with panniers, integrated lights, 120 mm of travel on the front and the new FLYON system what are you waiting for?

Thanks to it’s powerful motor, 630Wh battery and Weber connector for a trailer, the ADVENTR models can carry you and your cargo from the highest mountains to the deepest valleys.

From everyday adventures, to once in a lifetime journeys, our new ADVENTR model gives you the versatility to tackle a wide range of terrain and situations. A new world of possibilities beckons.