

### **HARTING presents new solutions for production optimisation and cost reduction**

Fair appearance at HUSUM Wind / Growing data volumes

**The wind industry is streamlining its global manufacturing and installation processes to boost efficiency: costs are set to be further reduced as systems grow ever larger. The industry is relying on technical optimisation along the value chain and over the full lifetime of installations as a way to keep investment and operating costs as low as possible and maximise profitability. HARTING will be showcasing new products and solutions at the HUSUM Wind trade fair (September 10-13, 2019) that support this trend towards cost reduction.**

The new Han<sup>®</sup> industrial connectors allow for **rear mounting** of interfaces in **switch cabinets in wind turbine (WTs)**. With this option, all connection-related work steps can be done from within the switch cabinet. In addition, many installation steps can be upstreamed into assembly, saving expensive man-hours worked by technicians in the facility. The rear mounting option is available for both the **Han<sup>®</sup> B metal and Han B<sup>®</sup> plastic housings**. This allows the customer to improve the manufacturing process of the wind turbine.

HARTING will also showcase its new compact **Han<sup>®</sup> 1A connector series**. The new industrial connector is made of high-performance plastic, is lightweight and requires little space. The Han<sup>®</sup> 1A is suitable for IP20 connections in switch cabinets as well as for outdoor requirements, as when closed it achieves the IP65 protection class. Due to its modularity and a variety of different deployment scenarios, it is particularly suitable for sensors, small drives and lighting.

Increasing digitisation, in combination with larger wind turbines, is confronting the wind-power industry with steadily increasing data volumes. Consequently, the trouble-free and fast transmission of this data is absolutely essential for many wind farm operators. To meet this trend, HARTING is focusing on the new fibre-optic rotary transmitter with bidirectional data transmission. The transmitter meets the requirements for even faster exchange of large data packets between the nacelle and the rotating hub. The wear-free and maintenance-free system offers end-to-end fibre-optic networking of the entire system – from the tower base over the nacelle to the hub.

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To support this system, HARTING developed the MICA (**M**odular **I**ndustry **C**omputing **A**rchitecture). MICA makes it possible to store, evaluate, and process data directly in the application environment and can be configured with individual hardware, freely available software and suitable interfaces – in a manner that entirely meets customers' individual requirements.

"HARTING has been involved in wind energy for over 35 years. Thanks to our experience, we can offer our customers cost-optimised solutions," says Carsten Edler, Industry Segment Manager Windenergy at the Technology Group.



**Caption:** Han<sup>®</sup> B series connectors with rear mounting allow the connector to be used from the inside of the switch cabinet.



**Caption:** HARTING will use the trade show to highlight its new compact Han<sup>®</sup> 1A connector series. The new industrial connector is made of high-performance plastic, is lightweight and takes up little space.



**Caption:** This year's focus will be on the new fibre-optic rotary transmitter with bidirectional data transmission.

### **About HARTING:**

The HARTING Technology Group is one of the world's leading providers of industrial connection technology for the three lifelines of Data, Signal and Power and has 14 production plants and 44 sales companies. Moreover, the company also produces retail checkout systems, electromagnetic actuators for automotive and industrial series use, charging equipment for electric vehicles, as well as hardware and software for customers and applications in automation technology, mechanical and plant engineering, robotics and transportation engineering. In the 2017/18 business year, some 5,000 employees generated sales of EUR 762 million.