



Pushing Performance



People | Power | Partnership

# HARTING

## Customised Solutions

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Success through partnership

# Designing without compromising HARTING Customised Solutions (HCS)

Complex emerging markets are demanding more specific components. Our response to these increasing demands – HARTING Customised Solutions – provides custom solutions tailored towards your requirements.

HARTING Customised Solutions combines our decades of experience with the technical expertise of the HARTING Technology Group. Based on our collected expertise, we are able to implement solutions that are both customised and cost-effective. Whether it's a cable assembly or a complex integrated systems, we have the same goal for each project: delivering a solution that provides real added value.

The range covered by HARTING Customised Solutions is as wide as the challenges we confront. By concentrating a wide variety of different expertise, we are able to deliver solutions along the entire value-added chain.

## Optimised Project Flow

We engage in a joint dialogue with you during the project implementation, so that our solution is both technically and economically acceptable. With our standardised project scheduling, we can make sure at any time that each step is bringing us quickly and efficiently to our goal: the customised product that solves your problem and meets our common quality standards.

### Orientation

Working together with you, we analyse your problem and devise the best possible solution

### Framework Conditions

We identify and document the necessary project steps based on your requirements

### Specifications

Working together with you and our production specialists, we plan the actual implementation.



## Assembling



Custom solutions can often be created by productively composing series components. Based on our experience, we can provide you with efficient packaged solutions or individually assembled cable harnesses.



## Modifications



If HARTING product components do not completely meet your requirements, we will modify them according to your individual requirements. We can transform a standardised connector housing into a solution customised for your company.



## Design



For specific tasks which cannot be accomplished using series-produced components, we design and implement completely new solutions to precisely match your complex requirements.

### Production

Based on decades of manufacturing expertise, we are able to implement solutions measuring up to the highest quality standards.

### Quality Control

Careful consideration and checking of each customer solution is essential to our understanding of quality.

### Optimisation

The continuous improvement of all measures drives each process step.

# HCS - Area of Expertise

## Automation, Machinery & Robotics



As a long standing, experienced partner in the automation industry, HARTING Customised Solutions designs versatile, customised solutions for production plants, material handling systems and robotics.

The solutions we have implemented are as varied as the range of applications. As an official Siemens Solution Partner, HCS has designed various components along the entire value-added chain (e.g. a custom Y-daisy chaining box which served as the basis for implementing further variants).

In addition to this innovative design, HCS can also customise series-produced components: for example, a combined distribution box for 24 V DC and 400 V AC environments, or specific variants of M12/RJ45 connectors for metal, wood and plastic processing facilities.



PushPull connectors



RJ45 cable assembly IP 65/67



FO distribution box



Han® cable assembly



Cable harness from different connector systems



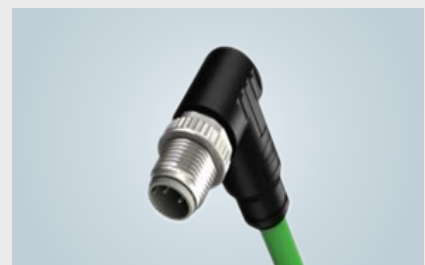
Field wireable energy distributor with maintenance switch



Energy distributor box (400 V AC, 24 V DC) pluggable version



Moulded RJ45 assembly



Moulded M12 assembly



# HCS – Area of Expertise Transportation

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The highly specialised railway technology sector requires customised solutions. The years of experience and expertise collected by HARTING Customised Solutions provide us with the optimal skills to implement customised components and products.

Whether its complete cable assemblies for new train systems or custom-made distribution cabinets for renovated trains, HCS provides services for every application scenario – even including the cable packages tailored to customer requirements.

In addition to proven system components, custom solutions for data communication between train modules supplement the range of products. Based on a wide range of standard connectors, HCS can implement not only copper or fibre jumpers, but also Ethernet backbones for complete train systems on request.



PT100 sensor with M8 connector



MVB distribution box



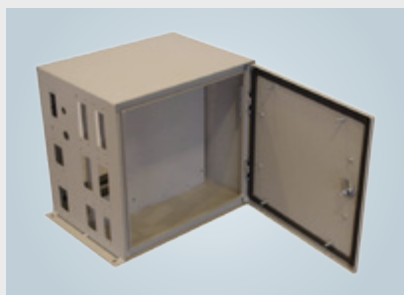
Die cast housing



M12 cable assembly



Modified Han® Connectors



Special housing



Wagon coupling

# HCS – Area of Expertise

## Wind Energy



To meet the special requirements of the growing wind power sector, HARTING Customised Solutions offers custom solutions and customised products (e.g. cable harnesses for pitch systems or slip ring couplings).

The HCS service portfolio naturally also includes connection solutions and systems for the entire wind power facility:

- LED interior lighting
- Fibre optic (FO) cabling for nacelles and towers
- Connectors for yaw systems, brakes and gears
- Custom electrical cabinets
- Complete backbone structures

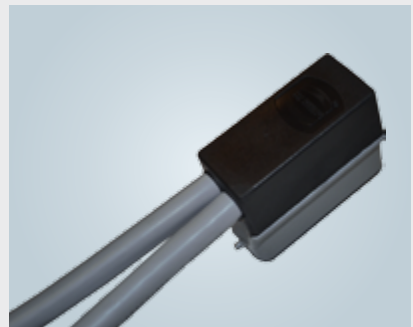
HCS can implement, on request, additional integrated systems for wind power facilities to meet your individual technical requirements.



Slip ring coupling



LED lamp



Moulded cable assembly



Rechargeable battery box



Fibre optic cable assembly PushPull



FO cable set

# Convincing at every level

## HARTING Customised Solutions

### What we offer

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The range covered by HARTING Customised Solutions is as wide as the challenges we confront. Thanks to our concentration of different skills, we are able to offer solutions along the entire value-added chain.

In order to reduce your installation time and labour costs, we can produce fully assembled connectors per your request.

#### **Set Packaging**

By modifying standard components, we can satisfy your requirements with minimal outlay and costs – even at low volumes.

#### **Modified Solution**

From our portfolio of standard and custom cables, we manufacture custom-made cabling solutions that are ready to install in your applications.

#### **Cable Assembly**

In cooperation with you, we design and manufacture complete cable harnesses customised for your applications.

#### **Cable Harness**

Our consistent innovation with new components enables us to offer you solutions that are perfectly customised to meet your requirements.

#### **Designed Solution**

In addition to customised components, we also develop complete sub-systems, which we design and implement in cooperation with you.

#### **Total Solution**

When implementing a complete system, the entire expertise of HARTING Customised Solutions comes together to deliver the optimal result.

#### **Integrated Project**



**Pushing Performance**

**HARTING.com –**  
the gateway to your  
country website.

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