

# Slip Ring Assemblies

for Explosion-proofed  
Applications



INDUSTRY APPLICATIONS



**STEMMANN-TECHNIK**

QUALITY MADE IN GERMANY

## Slip ring assemblies for explosion-proofed applications

### Decades of know-how

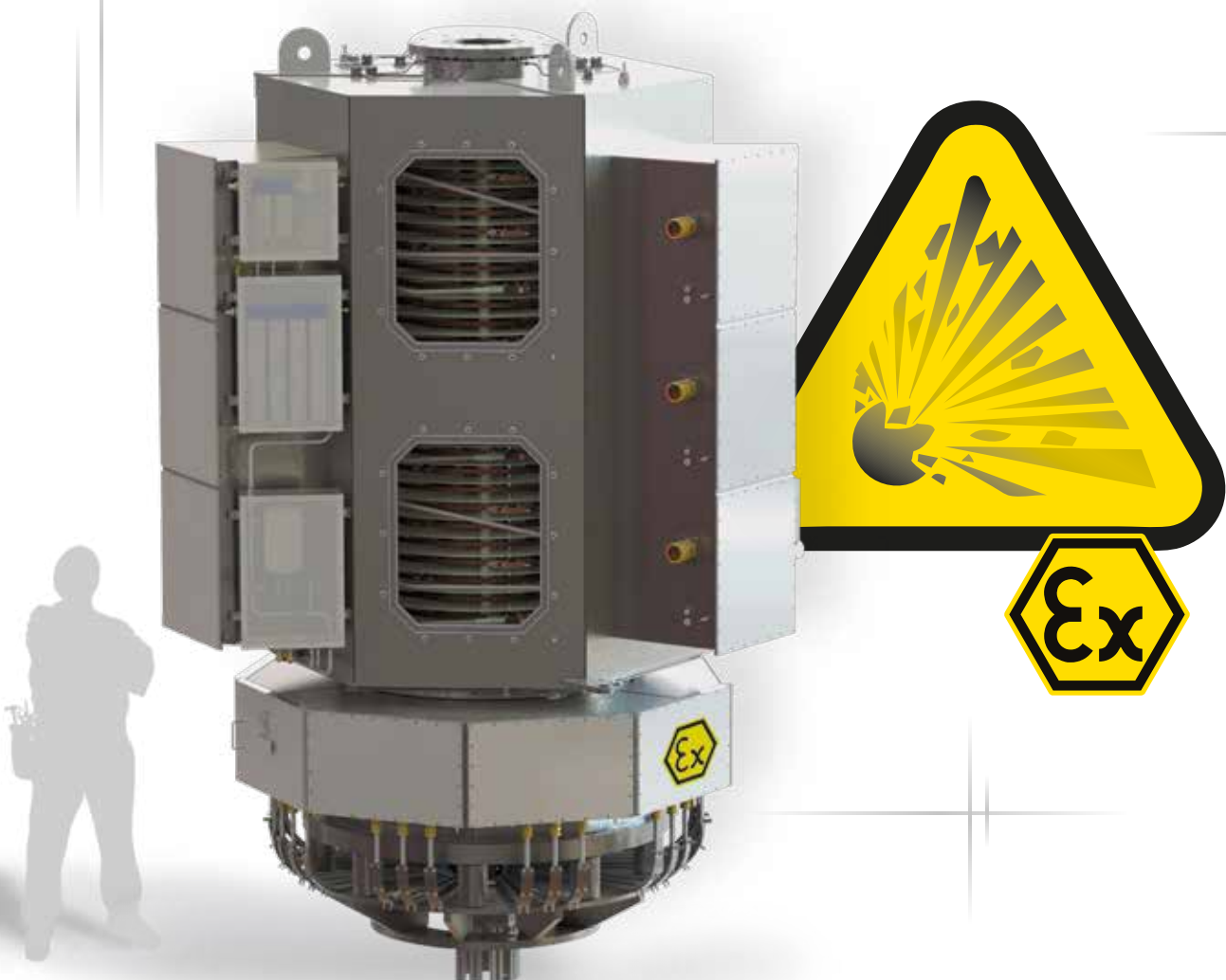
Especially for use in explosion-proofed application fields we design and produce slip ring assemblies as customized solutions.

Our know-how serves to provide high quality and reliability for the different versions of slip ring assemblies to continuously prove themselves successfully in numerous industries and applications.

Our quality products provide energy transmission for electric motors and drives as well as the reliable transmission of data as well as control and measurement signals - even under extreme environmental conditions.

**Take advantage of our know-how from decades of development and production of slip ring assemblies for numerous applications.**

The core concepts required for building these types of ex-proof slip rings are taken into account from the start. On this basis the material, design and performance parameters are designed and optimized individually for energy and data transmission requirements for different applications.



## Slip ring assemblies for explosion-proofed applications

The flexibility in the design and combination of components allows the use of the optimal slip ring assembly technology in an explosion-proofed housing.

### APPLICATION FIELDS

Oil production vessels (FPSO)

Oil platforms (SYMS)

Ground level vehicles (mining)

Ship drives

Silo technology



# SLIP RING ASSEMBLIES

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## PRODUCT BENEFITS Ex-PROOFED SLIP RING ASSEMBLIES

Individual designs according to customer specification

Robust and compact housing

Certification to „ATEX“ and „IECEX“

Ignition protection category „Ex d“, „Ex p“, „Ex e“ and „Ex tD“ for high dust loading applications

Large diameters with hollow shaft up to 2 m

Power transfer up to 16 kV and 1000 Amp.

Protection class up to IP68 - 20 m according to DIN EN 60529

Certification to DNV, ABS, BV, Lloyds Register

Temperature ranges from - 40°C to + 60 °C

High voltage / data transmission

Zone 1 and 21 / Zone 2 and 22



Corporate headquarters and manufacturing facility  
Schüttorf, Germany

We are one of the world's leading manufacturers of energy and data transfer components and systems in industrial and transport technology.

Drawing on our 100 years of engineering and practical research, we manufacture high quality products required all over the world, and create special, innovative, customised solutions.

A fundamental key to our success is our understanding of the importance of high quality in all areas of the company, ranging from customer-oriented advice to long-term service.

We guarantee high quality by upholding international standards and guidelines.

Since 2014 we belong to the Wabtec Corporation, a global provider of technologies, products and services in the field of railway and industrial engineering.

Through the integration of Faiveley Transport to the Wabtec Corporation in 2016 we are an important part of one of the largest public rail equipment companies in the world with more than 20,000 employees around the globe.

With know-how, product diversity and forward-looking innovations we are your excellent choice in the field of industrial and transit technology.

STEMMANN-TECHNIK  
DIN EN ISO 9001:2008

## TRANSIT APPLICATIONS



ROOF-MOUNTED PANTOGRAPHS



3rd RAIL CURRENT COLLECTORS



frost® GROUND CONTACTS



STINGER SYSTEMS

## INDUSTRY APPLICATIONS



CABLE REELS



SLIP RING ASSEMBLIES



FESTOON SYSTEMS



CONDUCTOR LINES

## CHARGING SOLUTIONS



ChargingPANTO



ChargingREEL



ChargingSTINGER



FerryCHARGER

## ONSHORE POWER SUPPLY



FOR CRUISE SHIPS



FOR CONTAINER VESSELS

