

# OIL PERFORMANCE CONNECTORS

KOSTAL Connectors

Since 1990:  
Transmission  
application –  
now also for  
E-MOBILITY.

## INSIDE:

Technology from  
world's leading  
supplier of gearbox  
connectors.





**250 Mio.**  
oil-tight connectors  
produced and  
delivered

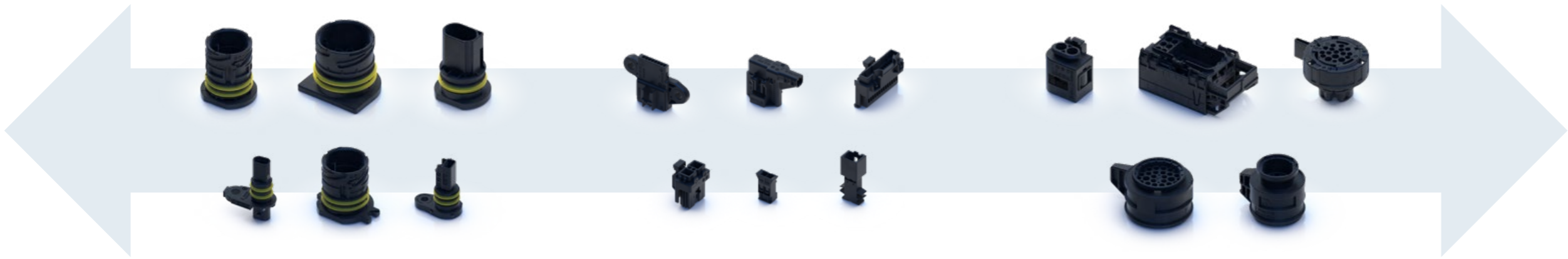
# Discover new applications under oil with proven connectors

Our oil-tight and oil-resistant connectors have been successfully used in ICE powertrains since 1990. Now discover the possibilities for use in new areas.

Since decades, KOSTAL Connectors stands for quality and reliability in the field of oil-tight connectors and is established as the leading global supplier.

## KOSTAL OIL PERFORMANCE CONNECTORS

Made for oil-tight applications. Rugged and safe.



**Pass-through connectors**  
Oil-sealed and oil-resistant

**Internal connectors**  
Unsealed and oil-resistant

**Counterparts**  
Water and dust protection



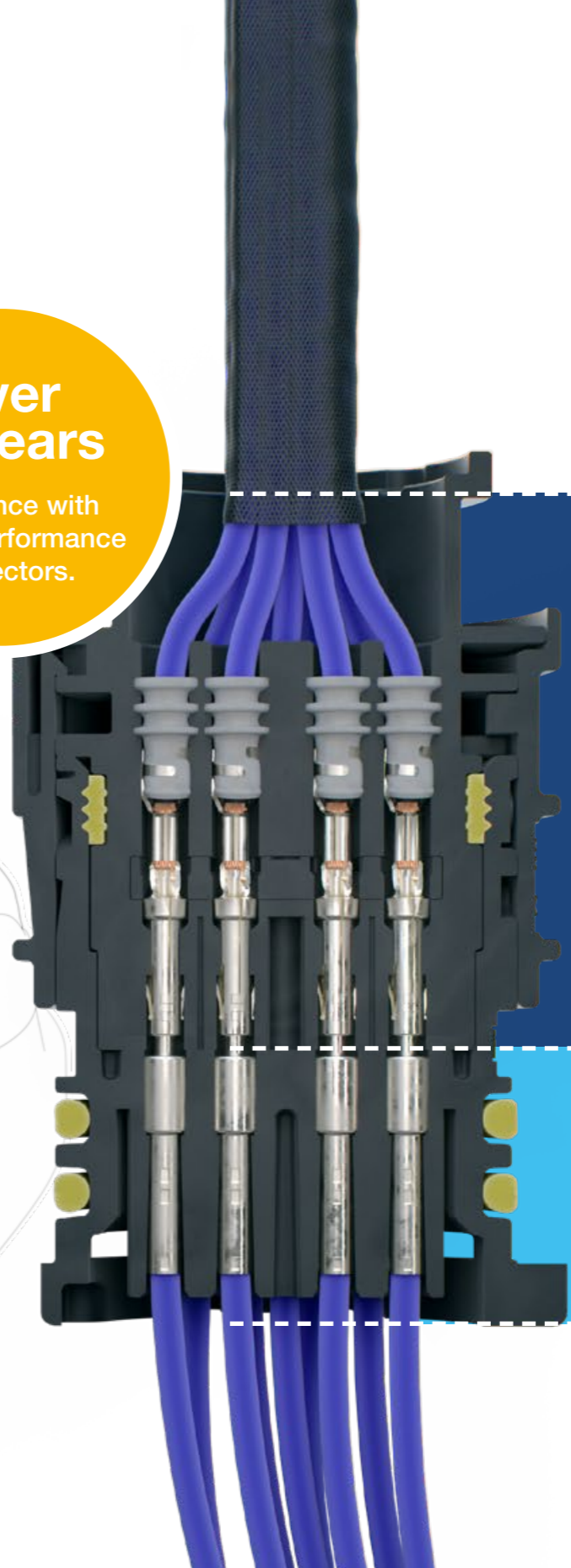
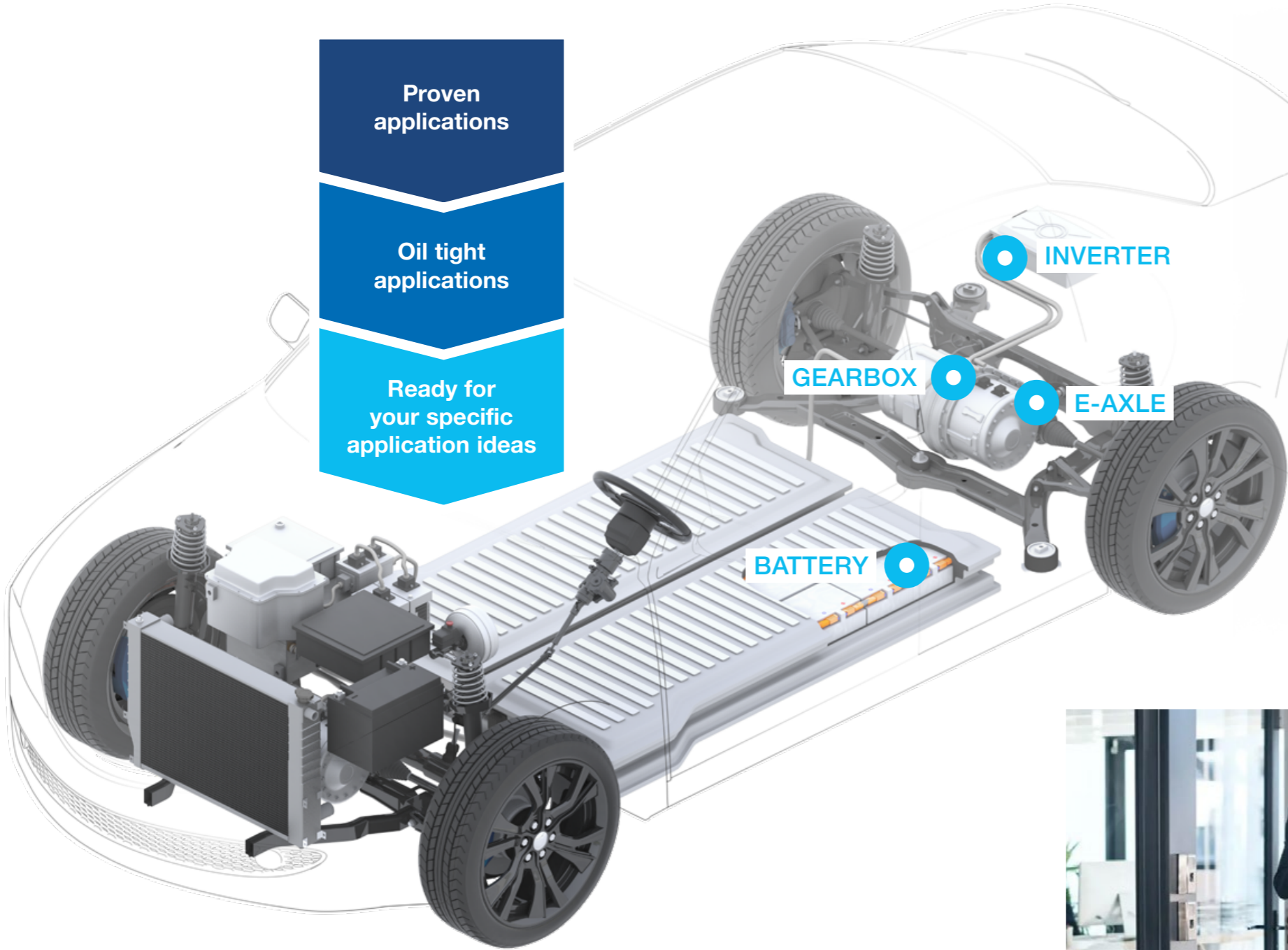
## VERSATILE USE IN VEHICLE

# Innovate new possibilities: High performance under oil

Connectors from KOSTAL are known for performance and reliability. The OIL PERFORMANCE CONNECTORS meet all requirements for oil-tight connectors - regardless of the area of application. They can be used in many places in the vehicle.

**Over 30 years**  
experience with sealed performance connectors.

- Proven applications
- Oil tight applications
- Ready for your specific application ideas



+ Protection against high vibration, dust and water

+ Oil-tight pass through



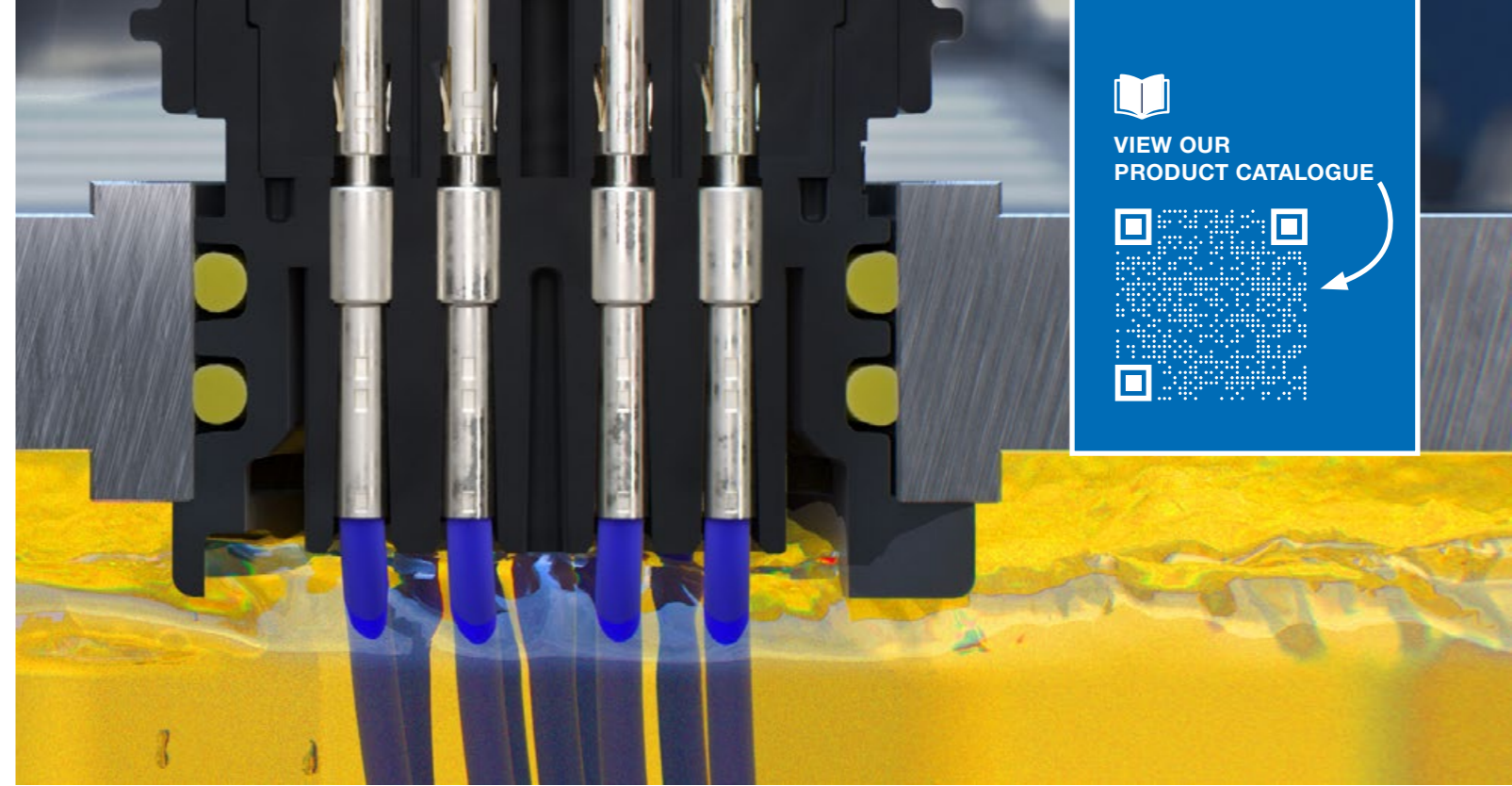
Let us discuss your requirements together.

**CONTACT US:**  
[kks\\_portfolio@kostal.com](mailto:kks_portfolio@kostal.com)

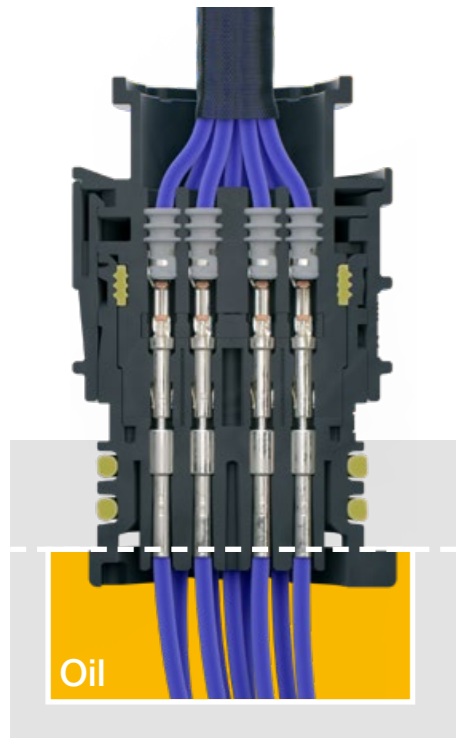
## PERFORMANCE UNDER OIL

# Made for Powertrain Applications

Depending on the area of application and the specific customer requirements, various constellations can arise for the use of KOSTAL OIL PERFORMANCE CONNECTORS. The focus here is always on the oil-tight path-through between an oil-filled area and an area without oil. Depending on the application, the counterpart can be sealed or unsealed.



VIEW OUR  
PRODUCT CATALOGUE



- Oil-tight pass through
- Water protected socket housing



- Oil-tight pass through
- Unsealed receptacle housing



- Oil-tight pass through
- Unsealed receptacle housing in protected areas



## APPLICATIONS

- Gearbox
- e-Axle
- Battery
- Inverter

## FEATURES



HIGH TEMPERATURES  
- 40 °C to 150 °C



VIBRATIONS  
According powertrain and  
e-mobility requirements



CHEMICAL RESISTANCE  
Against cooling and aggressive  
automatic transmission fluid (ATF)

## EXPERTISE FOR LONG-LASTING CONNECTIONS

# Connectivity Options

Our customers have the flexibility to select the optimum connection method. Whether it be riveted or crimped to a cable, welded to a stamped grid or soldered to a foil or a printed circuit board our solutions are designed to meet the customer's specific requirements.



### High-quality connectors due to in-house validation tests

Also for these various sealing technologies we can draw on many years of experience in the development and validation.

Regardless of whether it is a matter of sealing against aggressive oil from inside the application or protection against external influences (such as water, dust, salt, etc.).

We can offer in-house validation tests for almost all requirements.

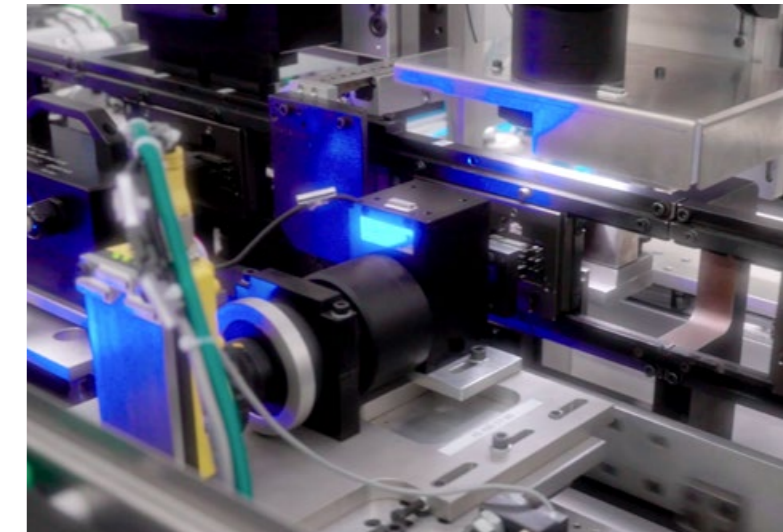


# Sealing Technologies

The environment in which the connectors are used, their function and the required protection class ultimately determine the type of sealing.

KOSTAL has pioneered an advanced mechanical sealing technology for round contacts, effectively eliminating the necessity for supplementary and often costly sealing agents.

Over time, our round contact family has undergone consistent enhancement in both connection alternatives and current-carrying capabilities, resulting in the establishment of a diverse portfolio today.



### Adapted to individual requirements

In situations where specific requirements or customer preferences render the utilization of round contacts unfeasible, KOSTAL seamlessly integrates alternative sealing technologies.

This enables the adoption of standardized flat contact systems for applications requiring oil-tight sealing, ensuring versatility and adaptability in meeting various needs and preferences.



Let us discuss your requirements together.

**CONTACT US:**  
[kks\\_portfolio@kostal.com](mailto:kks_portfolio@kostal.com)



# The most reliable connection for over 85 years

KOSTAL Kontakt Systeme GmbH & Co. KG has been a symbol of quality and reliability in the field of oil-tight connectors for decades and has become a leading global supplier. We provide our customers with complete solutions and individual products.

KOSTAL Kontakt Systeme GmbH & Co. KG is an independent company within the KOSTAL Group. The KOSTAL Group is an internationally active family business that serves all of the world's leading automotive companies. KOSTAL Connector's core business is developing, producing, and selling connector systems for the automotive industry. We have a presence at nine locations in eight countries with over 1,600 employees.



## Long-term connections

We aim for long-term customer satisfaction, which requires a high degree of flexibility in meeting their needs and a strong commitment to service provision. These are essential prerequisites for building lasting connections with our customers, and we strive to maintain them worldwide.

## Innovation connected to reliability

As innovators, we actively shape market trends and continuously develop our product portfolio and manufacturing processes. Our state-of-the-art process technologies and efficient production at the highest technological level form the basis for the best quality and competitiveness. Sustainability and environmental awareness are fundamental values for us.

**We are certainly the best connection.**

“

Innovation means identifying of customer demands early on and translating these into robust and high quality products.

”



**Herbert Rixen**  
Head of Research & Development

Detroit      Lüdenscheid      Dresden      Čenkov      Seoul      Shanghai

VIEW OUR WEBSITE



[www.kostal-kontakt-systeme.com](http://www.kostal-kontakt-systeme.com)

# KOSTAL

KOSTAL Kontakt Systeme GmbH & Co. KG  
Zum Timberg 2  
58513 Lüdenscheid  
Germany

Telefon: +49 2351 7894 - 111  
Telefax: +49 2351 7894 - 105

[www.kostal-kontakt-systeme.com](http://www.kostal-kontakt-systeme.com)