



DEUTSCH OFFSHORE

DEUTSCH

A LONG TERM COMPANY

After almost 70 years of family ownership and continuous segmented local expansion, the Deutsch Company in America, Deutsch Ltd in the UK and Compagnie Deutsch in France have unified for global expansion becoming DEUTSCH under Wendel Group in June 2006.

A MULTI CULTURAL COMPANY

Since 1938,

Deutsch

is specialized in

innovative solutions,

production,

sales of connectors

for professional use.

The Company's 3500 employees come from across America, Europe and Asia. DEUTSCH head-quarters have recently been moved to New York from France in order to be centrally located with respect to all DEUTSCH companies. In order to best serve our customers and maintain our position as a world leader of harsh environmental connectors and switching solutions, DEUTSCH Sales networks have been reshaped creating a global strength and a local support.



▲ DEUTSCH

MARKET

Our products can be found worldwide in the following markets:

Civil Aerospace Industrial vehicules Defense Railway Automotive Offshore

















DEUTSCH OFFSHORE RESOURCES

DESIGN AND ENGINEERING DEPARTMENT

Our design and engineering department consists of a team of project and design engineers structured to handle scopes of work varying from long-term development to fast-track projects.

Our team includes experts from both the power and optical fields with more than 70 years of combined knowledge and experience.

The team has the latest design engineering tools at their disposal, such as Solidworks CAD

software and Cosmosworks Finite Element software for thermal, mechanical and electrical calculations.

The team also have at their disposal the use of our inhouse prototype facility, which allows rapid feasibility work to be performed.

All deliverable documentation is fully controlled and traceable in accordance with ISO 9001.



a professional

service to our

provides

Deutsch Offshore

QHSE / LABORATORY

Our capabilities for electrical, mechanical and chemical testing are concentrated in one 440 m² laboratory.

clients from initial

enquiry through

to installation

and servicing.

- 10 Tests Tanks (high pressure vessels)
- Mating under pressure & turbid water
- Max. temperature and pressure capabilities : 200°C / 2000 bars
- Gas Testing Equipment
- HV testing to 200 kV (Faraday Chamber)
- Environmental simulation equipment (salt spray chamber, climatic chamber...)
- ATEX/CSA Certified
- ISO 9001 & ISO 14001 Certified
- OHSAS 18001 (in process)







MANUFACTURING & ASSEMBLY

5200 m² of workfloor 12 moulding machines including 7 automated Prototype Workshop 18 CNC machines Triple shift Workshop













APPLICATIONS

TOPSIDE

- FPSO
- Explosion proof 🚱
- Seismic Streamers
- Skids
- Dry Trees
- Buoys



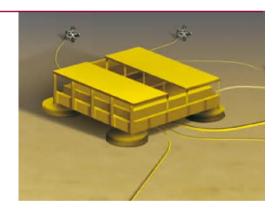
Deutsch

Offshore provides

SUBSEA

Power, Signal

- X-Mas Trees
- Transformers
- Circuit breakers
- circuit breakers
- ESP (electrical submersible pumps)
- VSD (Variable Spead Drives)
- Compressors
- Separators
- Seabed Seismic
- Multiphase Pumps

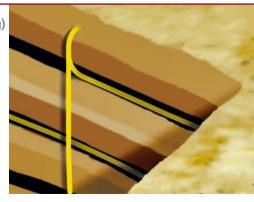


Connectors.

& Optical

DOWNHOLE

- MWD / LWD (measurement / Logging While Drilling)
- DTS (Distributed Temperature Sensing)
- PT Gauge (Pressure Temperature)
- In-Tool
- ESP



PRODUCTS

POWER CONNECTORS

MPD 🚱



6 / 10 (12) kV - 300 A - Splash Zone Mateable for FPSO Quick Disconnect / Reconnect Turret



DS3003

3 kV - 50 A - Wet Mateable

Max. Operating Pressure: 300 bar (4,350 psi)





P6-LW 250

6.6 / 6.6 (7.2) kV - 250 A - Linear Wet Mateable Max. Operating Pressure: 300 bar (4,350 psi)



P6-THFT 250

6.6 / 6.6 (7.2) kV - 250 A - Wet & Dry Mateable for HP HT Tubing Hanger Feedthrough System



P6-SW 400

6 / 10 (12) kV - 400 A - Wet Mateable Max. Operating Pressure: 300 bar (4,350 psi)



P6-SW 1600

6 / 10 (12) kV - 1600 A - Wet Mateable



P18-SD 300

18 / 30 (36) kV - 300 A - Dry Mateable Max. Operating Pressure: 300 bar (4,350 psi)



18 / 30 (36) kV - 900 A - Wet Mateable Max. Operating Pressure: 200 bar (2,900 psi)





SIGNAL CONNECTORS





MSD

1 kV - 20 A - Splash Zone Mateable for FPSO Quick Disconnect / Reconnect Turret



9323

1500 V (# 22) & 500 V (#16) - Up to 13 A - Dry Mateable Max. Operating Pressure : 60 bar (870 psi) for Seismic Streamers





9316 / 9306

250 V to 2000 V - 5 A to 600 A - Dry Mateable Max. Operating Pressure : up to 750 bar (10,877 psi)



DS3001

1 kV - 40 A - Wet mateable - 4, 7, 8 & 12 Contacts Max. Operating Pressure : 300 bar (4,350 psi)



Electrical THFT

500 V - 5 A - 4 Contacts - 1140 bar (16,500 psi) - 177°C (350°F) for HP HT Tubing Hanger Feedthrough System



DLS

840 V - 1.7 A at 205°C (400°F) - Dry Mateable - 1 to 7 contacts Max. Operating Pressure : 2070 bar (30,000 psi) for HP HT Linear

OPTICAL CONNECTORS

MOD 🚱

Insertion Loss < 0.5 dB - Back Reflection < -45 dB Splash Zone Mateable - 8 Contacts Max. Operating Pressure : up to 80 bar (1,160 psi) for FPSO Quick Disconnect / Reconnect Turret



9316

Insertion Loss < 0.5 dB - Back Reflection < -40 dB Dry Mateable - 12 Contacts



Optical THFT

Insertion Loss < 2dB - Back Reflection < -40dB - Dry & Wet Mateable Max. Operating Pressure : 1034 bar (15,000 psi) / 177°C (350°F) for HP HT Tubing Hanger Feedthrough System



Insertion Loss < 0.5 dB - Back Reflection < -40 dB Wet Mateable - 8 Contacts Max. Operating Pressure : up to 300 bar (4,350 psi)



HYBRID CONNECTORS

SHOWET

1 kV - 20 A - Splash Zone Mateable Insertion Loss < 0.5 dB - Back Reflection < -45 dB - 4 contacts Max. Operating Pressure : up to 80 bar (1,160 psi)



Hermaphroditic

12 V - 2 A - Dry Mateable - 2 Contacts Insertion Loss < 3 dB - Land Seismic



DH3000

3 kV - 50 A - Wet Mateable - Insertion Loss < 0.5 dB - Back Reflection < -40dB Max. Operating Pressure : up to 300 bar (4,350 psi)













Deutsch Offshore - France

8, Boulevard Pierre Lefaucheux - Zl Sud - 72027 LE MANS CEDEX 2 - FRANCE Tel : +33 (0)2 43 61 45 45 - Fax : +33 (0)2 43 61 73 80

Deutsch Offshore - US

27628 Commerce Oaks Drive - Conroe, TX 77385 - USA Tel : +1 713 623 1925 - Fax : +1 713 344 1418

e-mail: offshore@deutsch.net - www.deutsch.net