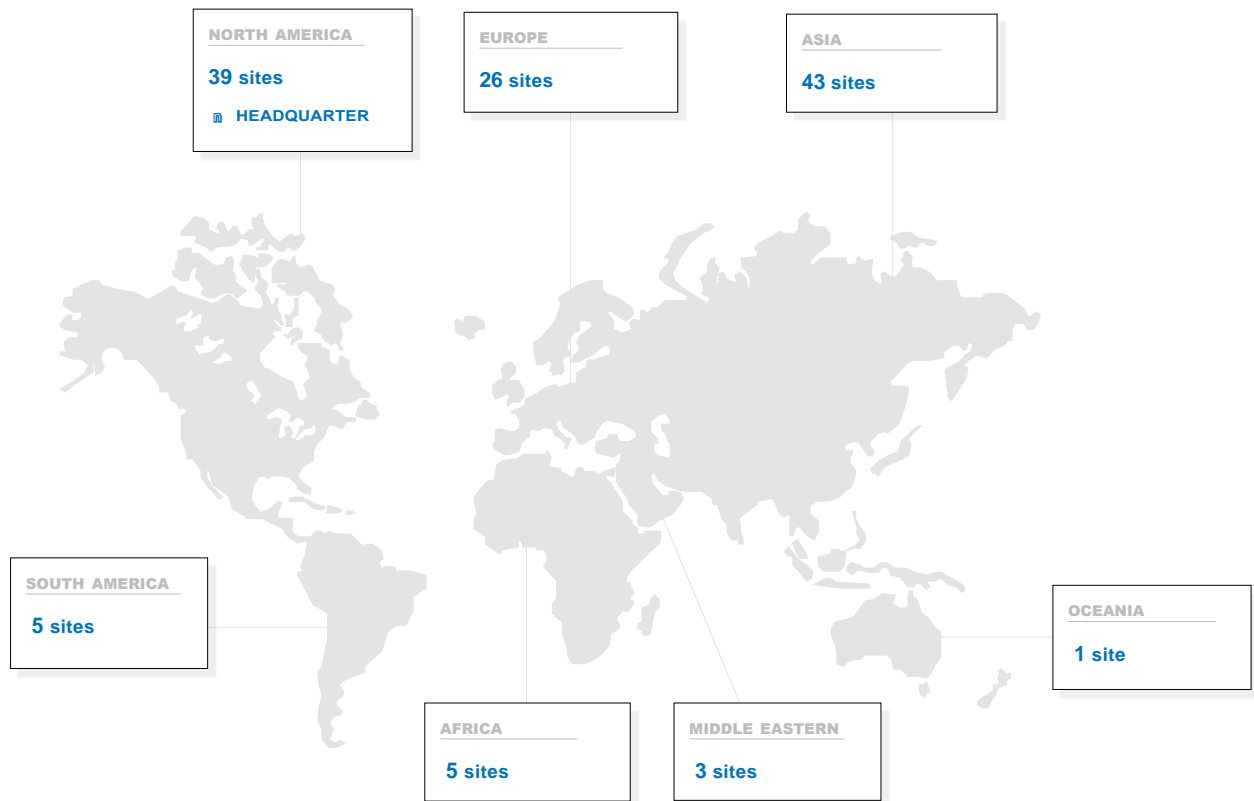


Amphenol



Connectors
for Oil & Gas
market

Worldwide PRESENCE



Amphenol was founded in 1932.

Since 1932 Amphenol has been the interconnect technology provider of choice to industry leading companies throughout the world. With a broad and diverse product portfolio, Amphenol is able to develop the right solutions for our customers across the diverse segments of the rapidly expanding electronics market.

With dedicated employees working at 85 facilities in more than 30 countries, Amphenol has the unique advantage of having both diversified global reach while still being a focused organization. Our focus comes from our entrepreneurial management team dedicated to specific markets and regions.



The technology used in oil exploration has steadily increased in sophistication over the years and Amphenol has been there at the forefront.

OIL & GAS market

EVERY OIL AND GAS MARKET IS SUPPORTED WITH **Amphenol** DEDICATED PRODUCTS

Geophysics

Land and Marine Seismic systems require more rugged connectors and higher bandwidth.

You need geophysical cables, sensing devices, connectors (electrical and fiber optic), cable assemblies, copper or hybrid streamers? Amphenol has the solution.

Downhole environment is covered with high temperature, high density, high pressure solutions like the Deepsight fiber optic connector, and PEEK connectors.

On / Offshore & Drilling

Drilling rigs, FPSO, down-time cost can be so important, that using communication and power links you can rely on is paramount.

Real harsh environment solutions like the heavy duty Star-Line® (with an explosion proof version), and the TFOCA II ® are just two examples.

Subsea ROV market is served with Aqualink dry mate 300 bars certified solution.

Production

Amphenol has the industry experience to supply connectors and cable assemblies to any harsh environment. From offshore platform communication with stainless steel or bronze connectors, to cable glands and reinforced Ethernet switches for petro-chemical industry.





LAND SEISMIC

■ PT/451/62GB SERIES/AMPHE ARMOR

Miniature bayonet cylindrical connector IP68, suitable for harsh ground applications. 107 inserts available. Numerous product extensions available like the rugged RPT and overmolded Amphe Armor.

www.451-connectors.com



■ CABLE ASSEMBLIES

Amphenol has the worldwide structure to design and assemble electrical and fiber optic strings. Leader Wire both looped and Un-looped.



■ AMPHE ARMOR

Overmolded rugged PT style connect or which features superior durability and water tight construction. The field-installable, field-repairable, constructed of high-impact glass-filled thermoplastic is the ideal solution for Geophysical Seismic Contractors.



MARINE SEISMIC

■ STREAMERS

Amphenol supplies multi-channel hybrid optical/electrical inserts to the marine seismic industry for use in towed-array geoseismic systems up to 30 Bars. All connectors for this application are custom designed to suit customer requirements.



■ CUDA

The newly designed CUDA marine connectors designed to meet industry standards and harsh environment with innovative technologies.



■ HERMETIC

Glass-filled insert with leakage less than 1.10×10^{-7} cubic cm per second under 1 bar differential pressure. All major circular hermetic connectors are available (MIL-C-38999, MIL-C-26482, MIL-C-5015...). Signal & power versions.



DOWNHOLE



■ DEEPSIGHT

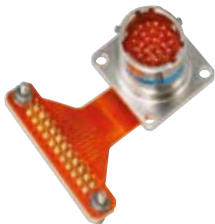
DeepSight has the ability to withstand the high pressure (25 000 psi), high temperature (175°C) and corrosive fluids found in downhole environments.

1 to 4 channels; multimode or singlemode.



■ FLEX & RIGID ASSEMBLIES ACT

Save weight and geometrically fit wiring into tight space requirements with Flexible Circuits or Rigid Flex Circuits. Flat, sculptured, or rigid-flex styles are strong, yet highly flexible for use with I/O connectors.



■ HIGH PRESSURE, TEMPERATURE PEEK

Amphenol designs high pressure, high temperature connectors using PEEK. High quality thermoplastic moulded over electrical pins.



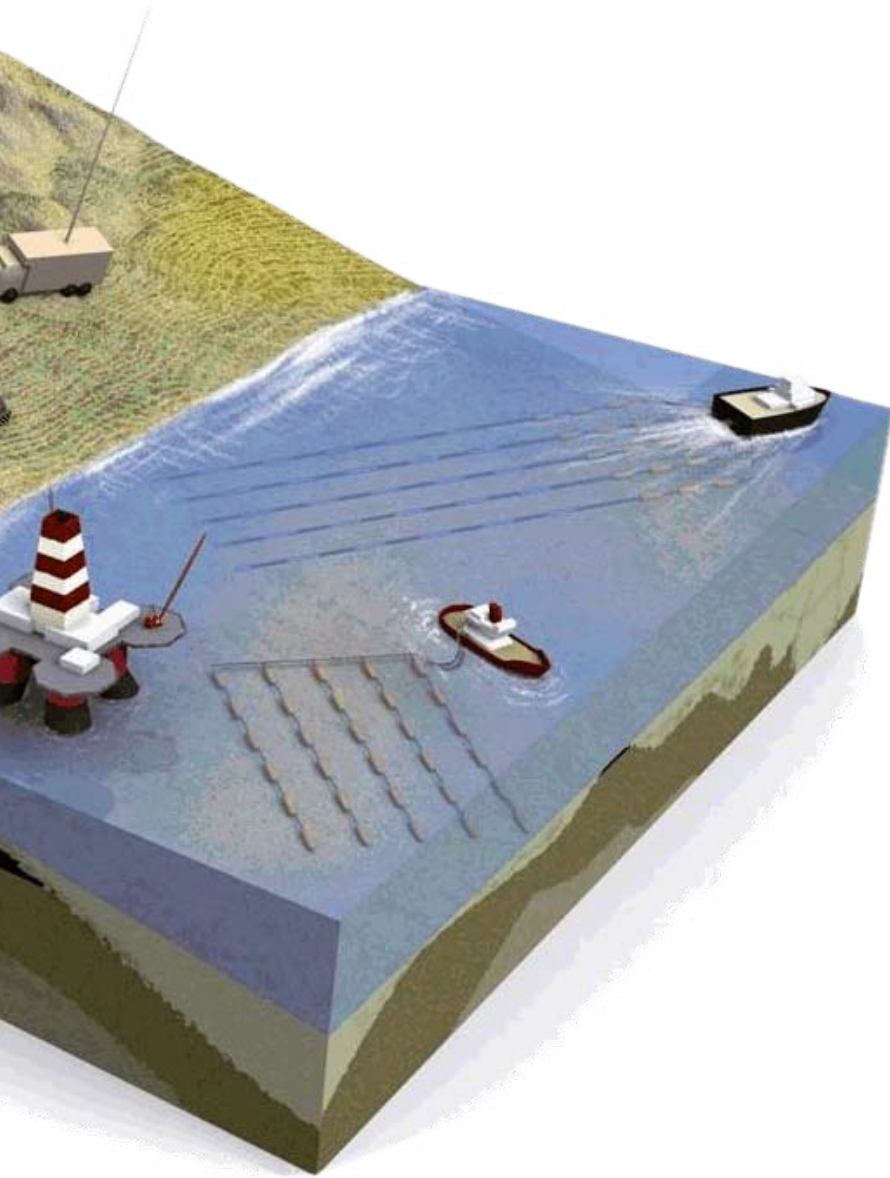
CUSTOM DESIGN

Your application is specific, you expect a solution at the edge of technology on an exclusive and confidential project.

Amphenol has the innovative and global structure to answer your need.



Oil & Gas



DRILLING-PRODUCTION



■ STAR-LINE®

Reference in the Top Drive industry with arrangements up to 143 contacts, 1300 Amps.



■ HARSH ENVIRONMENT FIBER OPTIC

Amphenol has the world largest harsh environment fiber optic range of products. With butt joint connectors giving low optical attenuation or expanded beam connectors for rapid and frequent deployment links in the harshest environments. 1 to 72 channels, multi or single-mode, aluminum, bronze or stainless steel shells.

www.amphenol-fiberopticsolutions.com



■ SEVERE DUTY FIBER OPTIC CABLE ASSEMBLIES

Amphenol manufactures severe duty fiber optic cable assemblies for the demanding environment of oil rigs, drilling platforms and other oil & gas applications.



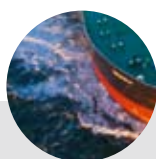
EXTREME ENVIRONMENTS

Amphenol helps you working in extreme environment. -55°C to +200°C working temperatures, 25 000 psi, offshore, subsea, desert... more that 20 000 connectors matings...

Downhole

Marine

Artics / Deserts



■ ETHERNET & USB SOLUTIONS

No tool, no cabling to transform your standard cordset (RJ45 Ethernet (Cat.5e), USB, RJ11...) into a rugged shell. Provides environmental protection : IP67, dust, shocks and vibrations. Excludes hazardous and costly in-field assembly.

www.rjfield.com



■ ETHERNET SWITCHES

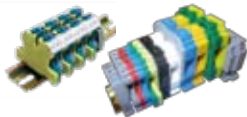
Amphenol Ethernet switches provide a suitable interconnect solution in extreme conditions. They include deterministic Ethernet network, power supply redundancy, ring topology and quick recovery time, «store and forward» switching process, manageable and unmanageable versions... A version for Explosion proof zone 2 environment is also available.

www.RJswitch.com



■ DIN TERMINAL BLOCKS

Standard and custom range of PC board terminal blocks, discrete wire solutions, DIN rail.



SUBSEA - ROV



■ AQUALINK

AFSI offers the AquaLink cost-effective series of drymate submersible fiber optic connectors for underwater applications up to 300bars.



EXPLOSIVE ENVIRONMENT



■ STAR-LINE® EX

Reference in the Top Drive industry with arrangements up to 143 contacts, 1300 Amps.

Star-Line® EX is certified to comply with IEC & ATEX standard (Zone 1 hazardous environment - Ex d IIC T6).



■ AMPHE-EX™

New miniature explosion-proof threaded connector, using coax, fiber optic cables, Ethernet Class D/Cat 5e or USB as well as standard copper. ATEX and IECex approved for Zone 1 rated applications.



■ TFOCA-II EX

AFSI offers the TFOCA-II EX connector to provide fiber optic connectivity in Zone 1 and Zone 21 hazardous environments.



■ FIELD SERIES EX

ATEX Zone 2 II3G ExnAII T6 explosion proof Field Series (RJ45, USB, RJ 11) and Switches (EEx nA T4).

www.rjfield.com



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