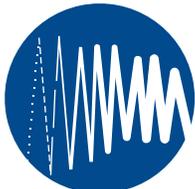




# OIL & GAS

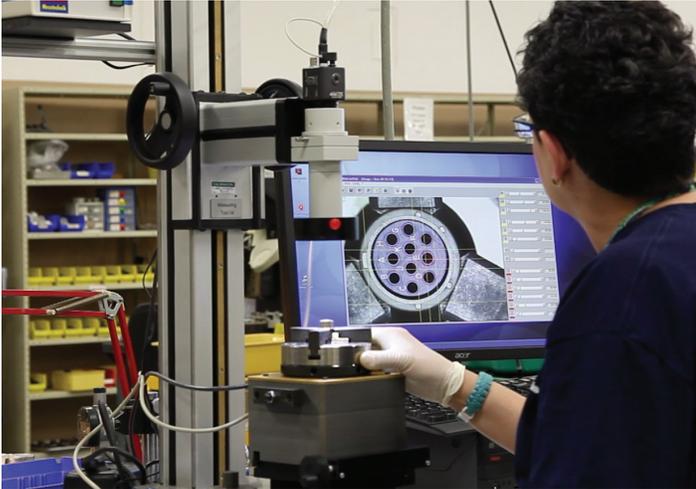


# PEI-Genesis™



# QUALITY

You need to protect your customers – and your brand's reputation – by using the highest quality products.



How do we ensure that our products are the highest quality?

- Multiple in-process testing
- Robust, documented incoming and outgoing inspections

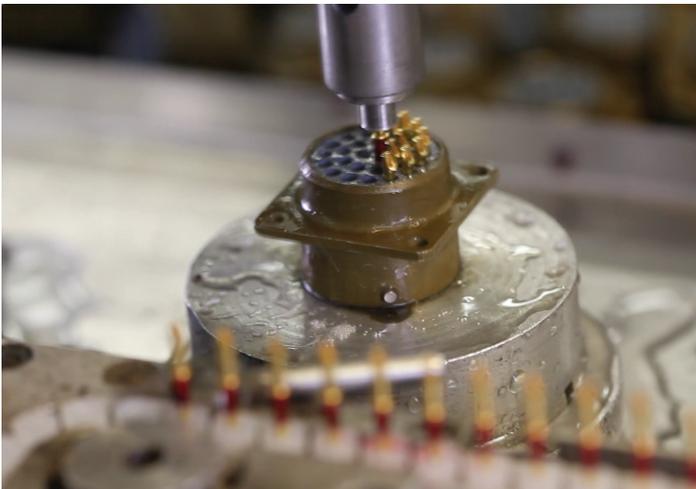
## Count on us.

Our products are assembled and tested in the USA & UK. PEI-Genesis maintains an AS9100C:2009 and ISO9001:2008 certified quality management system at its corporate headquarters in Philadelphia, PA, and at production facilities in South Bend, IN, and Southampton, UK. South Bend, IN operation is ITAR-registered with the US Department of State and Southampton, UK is registered with the BIS in the UK.



# SPEED

In your world, you need products quickly – without any lost production time.



Our unique connector assembly process allows for fast turnaround on custom connectors, plus we offer same-day shipment of pick-and-ship products. We're here to get you what you need, when you need it.

In a hurry? Use our online parametric search to:

- Quickly find products by feature – no part number required
- View products specs 24/7
- Order online or request a custom quote

## Save time with an end-to-end solution.

We can provide everything from the connector and accessories to a custom cable assembly.

# VALUE-ADD

Enjoy better access to the brands you trust. We provide manufacturing capabilities with distribution flexibility.



We have formed strategic partnerships with the world's leading brands in the connector industry, which gives us the ability to offer a full range of modified standard solutions suitable for oil and gas applications.

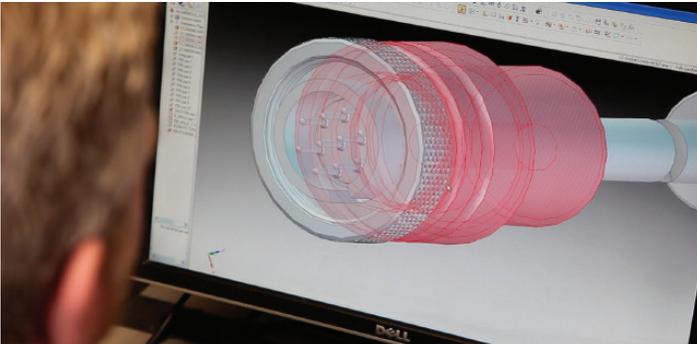
## Partner with us and avoid the risk.

In today's world, where inventory is a bad word, we embrace the opportunity to support the ramp-up and success of your products. We hold the inventory so you don't have to.

86% of the products we ship are transformed in some way. This provides you vast choice and immediate satisfaction. We stock our products in their component parts, not pre-built, which allows us to assemble them to meet your specific order. By building to order we bring the full diversity of our suppliers' product portfolio within your reach.

# EXPERTISE

You're the expert in your products; let us be the expert for your interconnect systems. Trust us to guide you through the design process, avoiding costly pitfalls along the way. We have an experienced outside sales force supported by field application engineers, design engineers and product managers all focused on providing in-depth product support.



We can also engage with you during the design phase so that when you're ready to go to market, we are ready to support you.

## Enjoy peace of mind with:

- Access to internal & field application engineering support
- Highly-cooperative engineering engagement during development

## Whatever your requirements, we can help:

- EX rated environments
- Custom and customer specified harnessing
- Connector plating and cable compatibility
- Harsh environment applications
- Optimum mating cycles and durability

# FEATURED PRODUCTS

## AMPHENOL STAR-LINE & STAR-LINE EX SERIES CONNECTORS

Sira 03ATEX1101X



Amphenol Explosion-proof connectors ATEX certified for Zone 1-IIc hazardous environment, Cenelec IP68-8 rated, and IECex certified (IECex 60079) are ideal for petrochemical refineries, land and offshore drilling systems.

- Temperature rated to -40°C to 55°C
- Rated for use up to 1000V AC/DC (see catalog)
- Double lead threaded coupling system
- Full range of reversible inserts available to suit any application
- Machined Aluminum Construction with hard coat plating corrosion resistant to 300 days salt spray

## AMPHENOL AMPHE-EX SERIES CONNECTORS

Sira 07ATEX1229X



Amphenol Industrial's explosion-proof connector series Amphe-EX is ATEX and IECex-approved for Zone 1-rated (Europe) (IECex 60079). The Amphenol Amphe-EX is the only explosion-proof connector that allows the use of copper, coax and fibre optic contacts in one product. PEI-Genesis is the only approved worldwide assembling distributor. See the specifications below for a full listing of Amphenol Amphe-EX series features and certifications.

- Conductor options: Copper, Fiber Optic, Coaxial, Mixed
- Machined High Grade Aluminum Hardware
- Corrosion Resistant Plating exceeds 300 day salt spray testing
- Aluminum/Stainless Steel Material Options
- Double lead mating provides ease of mating

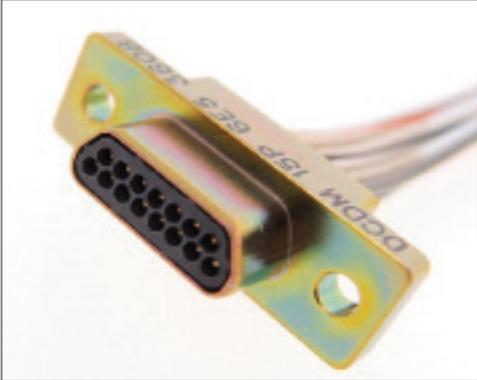
## AMPHENOL KTK SERIES CONNECTORS



Amphenol Industrial Operations now offers the KTK, Kintec – compatible and high-pressure, downhole connector. Fully compatible with the GE Tensor configuration, these connectors offer high pressure and high temperature sealed connections standard in the downhole industry.

- High Pressure: 20,000 PSI (137 MPA) bi-directional
- Medium and High Temperature versions: 200°C and 170°C
- Machined molded and machined glass-filled epoxy
- Gold contacts designed for longer life/mating cycles
- Solder pot connections

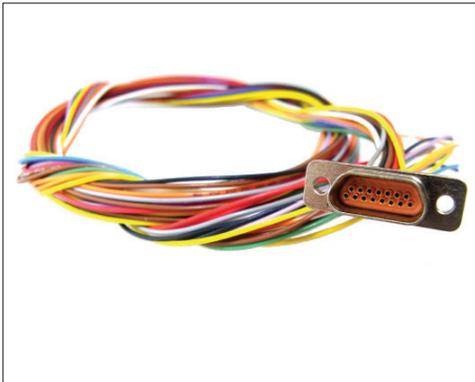
## CINCH HIGH-TEMPERATURE MICRO-D SERIES CONNECTORS



CINCH has teamed proven twist pin technology with custom designed insulators capable of meeting the extreme mechanical and electrical needs in the harshest environments such as Down Hole Directional Drilling.

- Twist pin performance with increased temperature range of -55°C to 175°C
- BeCu wire strands provide seven points of electrical contact
- Achieve high mating cycles and better resistance to shock and vibration
- Qualified and approved to Mil-DTL-83513

## ITT CANNON MICRO-D SERIES CONNECTORS



ITT Cannon MDM series MIL-DTL-83513 Micro-D connectors are small, high-density connectors used where standard d-sub connectors have typically been used, but where size and weight are of concern. The MDM series is engineered with a strong yet lightweight aluminum shell and a high-reliability twist pin contact system with Pos-A-Line Alignment.

- High-Strength, Light-Weight Aluminum Shells
- Extremely Small Interconnect
- Unique Twist Pin and Solid Tube Socket
- Total Environmental-Sealing Silicone Interfacial Seals and Epoxy-Potted Contacts
- Pre-wired Connectors for Fast, Easy Assembly

## LEMO E SERIES CONNECTORS\*



LEMO E series connectors are watertight self-latching with stepped inserts for alignment (of multipole version) and rugged housing for extreme working conditions.

- Security of the Push-Pull self-latching system
- Multipole with stepped inserts
- Over 22 shell styles
- UL recognized
- Temp. range -55°C to 200°C

\*North America Only

# COMPLETE END-TO-END SOLUTIONS



## WHY THE ENGINEERED SOLUTIONS GROUP (ESG)?

We deliver highly-tailored solutions to meet your precise needs and reduce your total cost of design and acquisition.

### SUPPORT YOUR DESIGN CYCLE

- Engage with you as early as possible in the design cycle.
- Give you access to engineers across the globe so you can meet face-to-face with someone who truly understands your needs.
- Provide design tools and a structured methodology that will address reliability, reduce assembly time, minimize tooling costs and propose parts that are cost-effective and readily available, all without sacrificing performance.
- Bring world-class expertise and cutting-edge tools to accelerate the design cycle and off-load a significant portion of the design effort.
- Not everyone is a cable expert – WE ARE – Let us take on your cable design task – You do what you do best.

### PROTECT YOUR SUPPLY CHAIN

- Give you what you need, not simply what is in stock. We build virtually all of our products to order from component parts.
- Deliver highly-tailored connectors in 48 hours regardless of order quantity.
- Reduce the risk of holding inventory, which in turn provides flexibility when requirements change.
- Minimize lead-time. With typical lead-times of eight to twenty weeks for connectors, we make the large inventory investments that truly protect the supply chain, even in bad times.
- Ensure an uninterrupted supply of material by bonding only the components needed to build the finished goods.
- Insulate you from Engineering Change Notices (ECN). Designs evolve, and the required parts can change. With an in-house store, every finished good in the supply chain could be made instantly obsolete, turning your potential savings into higher costs.
- Isolate you from supplier quality issues. When lead-times for replacement parts are ten to twenty-six weeks, the last thing you can afford is to find bad parts on your factory floor.

ENGINEERING CAPABILITIES		
DESIGN	TESTING & QUALITY	PRODUCT & ASSEMBLY
Pre-engineered, tested design platforms	Test fixtures are built for each project	Twelve production lines
Pro-E and Solid Edge modeling	CableScan 512 tester on each line – continuity testing for every assembly	Schleuniger PowerStrip 9550 - Cut and strip machine for shielded and complex multi-conductor applications
Custom cable construction	Cirris Touch 1 Ultra Tester	Six semi-automatic crimp machines
Connector application experts	IPC/WHMA-A-620 and J-STD-001 certified application specialists on the floor building cable assemblies and certified trainers on staff	4600 watt AMTI Conveyor Shrink oven
ITAR compliant processes and procedures	ISO 9001:2008	Three automated Insertion Machines (Sure-Seal)
PEI will create a custom production drawing and build a First Article for your approval		<b>Two 35 ton Newbury Mold Presses with modular tooling to overmold all standard Amphenol, TE Deutsch and ITT Cannon connectors in most shell sizes in heavy duty or low profile AT NO EXTRA CHARGE TO YOU!</b>
Quick response to design changes with a tightly controlled engineering change process		Moldman 8000 low pressure machine to overmold miniature precision connectors
Small volume trial service program available for proof of concept		



Corporate Headquarters, Philadelphia, PA



Production Headquarters, South Bend, IN



European Headquarters, Southampton, UK



PEI-Genesis has sales offices throughout North America and Europe and is continuing to grow. For the location nearest you, visit [www.peigenesis.com](http://www.peigenesis.com), call 1-800-642-8750 (in North America) or +44 (0)23 8062 1260 (EMEA), or email: [sales@peigenesis.com](mailto:sales@peigenesis.com).

[www.peigenesis.com](http://www.peigenesis.com)

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