



Marine Industry

Supplying for Shipbuilding & Maintenance



Low Voltage System Solutions & Components for
Hazardous & Safe Area Locations

Protection at Every Connection™





Marine Industry

Low Voltage System Solutions & Components for
Hazardous & Safe Area Locations

ZONE 0, 1, 2

Pressurized Enclosure

Intrinsic Safety

Flameproof Enclosure

Increased Safety

Non-Arcing

Hermetically Sealed

Encapsulation

Optical Radiation

Powder-Filled

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IECUS Solutions



IECUS Solutions

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IECUS SOLUTIONS IN THE MARINE INDUSTRY

IECUS Solutions designs, engineers and assembles a full range of custom-configured system solutions and provides components certified for use in the harshest Marine Industry applications where reliability, durability and high levels of safety are imperative.

We design low voltage power distribution & motor starting solutions up to 690VAC – specifically: Panelboards – Motor Starters – Local Disconnects – Transformers.

Through established partnerships with leading manufacturers of electrical products for the marine industry, such as Schneider, Siemens and ABB, to name a few – we are in a strong position to offer our customers the latest innovative technology to meet and exceed the demanding requirements of our customers.

WHY IECUS SOLUTIONS:

- U.S. BASED FACTORY CERTIFIED ASSEMBLY PARTNER
- LOW VOLTAGE SYSTEM SOLUTIONS & COMPONENTS
- HAZARDOUS & SAFE AREA LOCATIONS
- COMPETITIVE PRICING W/CAPACITY TO FULFILL NEW ORDERS
- RAPID QUOTATION TURNAROUND
- DESIGN & ENGINEERING COLLABORATION
- CUSTOM-CONFIGURATION & ASSEMBLY
- QUICK-TURN DELIVERY SERVING US & GLOBAL CUSTOMERS
- PARTNERSHIPS WITH LEADING MANUFACTURERS
- LOCAL FACTORY ACCEPTANCE TESTING

www.iecussolutions.com



**SYSTEM
SOLUTIONS &
COMPONENTS**
for the
**MARINE
INDUSTRY**

SERVING MARINE INDUSTRY CUSTOMERS WORLDWIDE

In addition to complex System Solutions, we provide a complete line of components serving the Marine Market, including:

- Cable glands and electrical fittings, panel mounting devices and position switches, plugs and sockets, lighting fixtures, flame-proof enclosures, junction and terminal boxes, signaling devices, local control stations, grounding equipment and custom control panels.

VERSATILITY TO MEET MOST MAJOR CERTIFICATIONS & STANDARDS



Solutions for the Marine Industry



SYSTEM
SOLUTIONS &
COMPONENTS
for the
MARINE
INDUSTRY

SOLUTIONS FOR DEMANDING MARINE ENVIRONMENTS

IECUS Solutions builds low voltage power distribution & motor starting solutions to ABS & DNV approvals for Safe Areas and IECEx/NEC for Hazardous Locations. Our custom-configured System Solutions are installed in harsh marine environments where controls and equipment are exposed to:

- High corrosion
- Extreme prolonged vibration
- High concentrations of salt, spray and standing water
- High humidity and steam, and
- Harsh chemicals



IECEx / NEC

EXAMPLES OF TYPICAL MARINE VESSELS SERVED



LNG Tanker



Container Ship



Drill Ship



Cable-Laying Ship



Ice Breaker



FPSO



Oil Tanker



Bulk Carrier



Marine Industry

Low Voltage System Solutions & Components for Hazardous & Safe Area Locations

SERVING GLOBAL CUSTOMERS NEEDS

Our US-based facility, located in the greater Houston Texas area, is conveniently located to serve a high concentration of our customer base operating in global locations and which require electrical systems meet international certification standards.

PRODUCTION FACILITY

Our US operation includes:

- 7,000 sq. ft. of Office Space
- 25,000 sq. ft. of Production Floor & Warehouse



ISO 9001:2015 APPROVED

At IECUS Solutions, our ISO 9001:2015 certified quality system gives you the confidence you need to trust us with designing & building system solutions and providing components.



PRODUCTION



WORLD CLASS OPERATION

- New Purpose-Built Facility Based in Houston Texas
- ISO 9001:2015 Approved
- State-of-the-Art ERP System
- Lean Process-Driven Operation
- Production & Warehouse Layout Organized for Workflow Efficiency & Team Interaction
- On-site Engraving for Labels
- 5-ton Crane for Large Workloads
- IECUS Solutions employs the latest machining technology and equipment to deliver premium product quality
- Competitive Pricing with Capacity to Fulfill New Orders



Committed to Sustainability



Marine Industry

Low Voltage System Solutions & Components for Hazardous & Safe Area Locations

SYSTEM SOLUTIONS – CUSTOM CONTROL PANELS

Our Ex Experts are standing by to assist.

IECUS Solutions provides custom control panel designs – including ABS & DNV for Safe Areas and IECEx/NEC for Hazardous Locations.

Our operation has the versatility to meet major certifications and standards through established global manufacturing partnerships and is recognized as a **Factory Certified Assembly Partner to International Factory Standards** – enabling customers to perform Factory Assembly Testing in our US-based facility.

We've built our reputation on:

- *Meeting and beating customers' expectations*
- *Building assembled solutions to meet the most demanding environmental conditions*
- *Providing professional advice on complex electrical designs*
- *Sourcing high-quality individual components to assemble custom control panels*
- *Establishing partnerships with leading manufacturers of electrical products for the marine industry...Schneider, Siemens, ABB, to name a few*

Applications & Industry Types:

- PLC, Data Acquisition Control Systems
- Pump Control Panels
- Offshore Control Panels
- Process Heater Control Panels
- Motor Control Panels
- Power Distribution Panels
- Variable Frequency Drive Control Panels
- HMI Control Panels & Consoles
- Electrical Control Panels

Features:

- **Design Experts** – whether your project is large or small, our experienced engineering team will work with you to design a solution to meet or exceed your needs.
- **Built from In-stock/local Components** – this stock allows us to deliver quickly on orders.
- **Industry Leading Turnaround** – most custom panel builds ship within 5 to 8 business weeks after drawing approval thanks to our experienced engineering team, wiring technicians, in-house CNC machine, and in-stock/local stock of components.
- **Panels Inspected for Quality** – all panels undergo vigorous Quality Assurance and in-line Testing procedures to meet design specifications. We extend a 12 months manufacturer's warranty on parts and components.
- **Panel Drawings** – all panels delivered with detailed as-built GA drawings including BOM and wiring schematics.



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Explosion-Protection Solutions for
Hazardous & Safe Area Locations

Motor Starters



Purged & Pressurized Solutions



Power Distribution
Panels



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Low Voltage System Solutions & Components for Hazardous & Safe Area Locations

Factory Certified Assembly Partners



BARTEC



Cable Glands & Electrical Fittings



Panel Mounting Devices



Position Switches

COMPONENTS



Factory Certified Assembly Partners



BARTEC



Plugs & Sockets



NEW LED Lighting Fixtures



Lighting Fixtures



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Low Voltage System Solutions & Components for
Hazardous & Safe Area Locations

Factory Certified Assembly Partners



BARTEC



Flame-Proof Enclosures



Terminal & Junction Boxes

COMPONENTS



Factory Certified Assembly Partners



BARTEC



Signalling



Local Control Stations



Ground Equipment



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Low Voltage System Solutions & Components for Hazardous & Safe Area Locations

Factory Certified Assembly Partners



BARTEC



Custom Control Panels

IECUS SOLUTIONS VISION – MISSION – VALUES

VISION

Be the premier U.S.-based provider of Explosion-Protection System Solutions & Components for Hazardous & Safe Area Locations Serving Onshore, Global Offshore Oil & Gas and Marine Industries

MISSION

Our mission is to provide industry the highest quality Systems Solutions & Components, in the safest, most reliable and responsive manner, at the most competitive price to maximum customers' economics



CORE VALUES

IECUS Solutions operates internally and externally with a focus on conducting business at the highest standards – everything we do is built on the foundation of:

- Safety-First
- Ethics
- Commitment
- Honesty
- Integrity
- Accountability

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