



# Quad Plus®

## Marine

### Maritime Industry Electrical System Integrators



Quad Plus is an industry leading system integrator providing electrical power and control solutions for marine and industrial applications. For either new construction or optimal retrofit of existing systems, Quad Plus incorporates our extensive knowledge of OEM products, components, and industry compliance standards to provide your best return on investment.

#### Project Identification and Development

We start with customer requirements, equipment constraints, and performance criteria to engineer and document automation, electrical, and mechanical designs. Through design review, we verify safety and functionality to achieve system operating requirements within project space constraints. Our team will then produce all final studies and manufacturing drawings needed for necessary approval and for fabrication.

#### OEM Supplier to Turnkey Integration

Your requirements define our role. We can provide solutions as an OEM supplier, a contributing vendor, or as a turn-key integrator. As an integrator, we will be your single point of contact, handling every aspect of your project from design and development to manufacturing and implementation.

#### Premium Support

We service most manufacturers' equipment regardless of the original vendor. You choose the level of service response according to your business needs. In addition to onsite repairs, we offer offsite component refurbishment and retrofit services that can extend the useful life of affected systems. Secure remote diagnostics systems can be added to allow your team or ours to prepare for a service call with correct parts and personnel for on-vessel service.

#### Service Components

Our service personnel are experienced with the complex power and control systems in use for marine and offshore petroleum facilities. Whether dispatched dockside or at sea in the territories of the Gulf of Mexico, Canada or the North Sea, our technicians have specific medical clearances and training that include HUET (Helicopter Underwater Escape Training) and BOSET (Basic Offshore Survival Emergency Training).

We have been ISO registered since 2014 for the design, development, production, installation, and servicing of custom integrated electrical power and control systems. We received our ISO 9001:2015 certification in 2018.

We know that your service providers must meet substantial requirements for safety and efficiency. We have the tools, equipment, training and experience to exceed those requirements.





## Diverse Technical Capabilities

Quad Plus delivers equipment and services for a wide variety of electrical applications. Our technical team will assist with design selections to help achieve your return on investment targets such as increased efficiency and reliability, implementing new technical solutions, and extending the life of existing equipment.

### Automation

Quad Plus offers service and support for automatic tensioning mooring systems, crane controls, active heave compensators, generator control, material or fluid transfer systems and more. Repair, refurbish, or replace, Quad Plus can help.

### Propulsion Systems

Our extensive work with electric propulsion systems, AC and DC drive systems, and controls in offshore vessels provide service and upgrade options with a minimum of down time. New technology offers automation, efficiency and analysis for predictive maintenance.

### Operator Controls for Harsh Environments

Climate controlled and environmentally isolated E-House facilities offer increased operational safety, equipment reliability and personnel performance while meeting efficiency and functionality targets.

### PLC, VFD, MCC, Switchgear, and Distribution

Whether building a new vessel, refurbishing key electrical components to OEM specifications, or applying new technologies to replace unserviceable, damaged or inefficient systems aboard, Quad Plus engineering teams offer solutions designed for your specific needs.

## Smart Winch

Smart Winch is an affordable and compact control package. Supporting most Low Voltage AC powered winch or spooling equipment, Smart Winch provides active heave operational features required for marine applications.

Smart Winch performs its corrections based on data input from an industry-standard Motion Reference Unit (MRU); No external PLC or load cells required. Coupled with integration services, Quad Plus engineering can configure the system to meet environmental and space requirements as well as options like custom packaging and HMIs.



Connect with us



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

+1 (844) 251-7823