



Control System Computer

Reliable for Harsh Environments



▶ “Captec have provided us with a complete, integrated solution for our supervisory monitoring and control systems. This saves us time, money and aggravation in the supply chain.”

Senior Hardware Engineer

The solution is for a leading global oil services company that provides engineering and construction services, technologies, product solutions and field-life solutions for the oil and gas industry.

Requirements & Issues

- ▶ Short depth, yet highly expandable 2U computer system, capable of operating in a high dust/grease environment
- ▶ Integrated and pre-tested with options for specialist PCI I/O addon cards
- ▶ Operate with a redundant system with automated switch over
- ▶ Operation in a harsh offshore environment
- ▶ Must be deployed in a wide variety of cabinet installations
- ▶ Highly reliable, with continuity of supply and exact build replication due to offshore deployment

The Solution

- ▶ Short depth 2U industrial 19" rack PCs with optional watchdog controlled switch over
- ▶ Industrial grade air filtration and positive chassis pressurisation to prevent dust/grease ingress to operate in harsh environments
- ▶ Fully configured systems with installation, configuration and testing of third party I/O cards
- ▶ Configuration control and obsolescence management of systems for continuity and longevity of supply
- ▶ The customer's installation and configuration manual was incorporated into Captec's ISO 9001 procedures



The Outcome

- ▶ Fully integrated monitoring and control system with very high availability, operating in a harsh environment
- ▶ Units have been highly reliable in the field
- ▶ All the integration challenges are undertaken by Captec and a complete fully configured and tested solution is supplied
- ▶ Additional peripherals also supplied with the PCs, simplifying the supply chain, such as KVMs and industrial displays



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