

SUBSEA MASTER CONTROL SYSTEMS

“ 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. They have aggregated annual revenues of approximately NOK 50 billion and employ approximately 20,000 people in 26 countries.



REQUIREMENTS & ISSUES

- ▶ Short depth, yet highly expandable computer system.
- ▶ Industrial grade air filtration to prevent dust / grease ingress.
- ▶ Integrated and pre-tested with several specialist PCI I/O add-on 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.

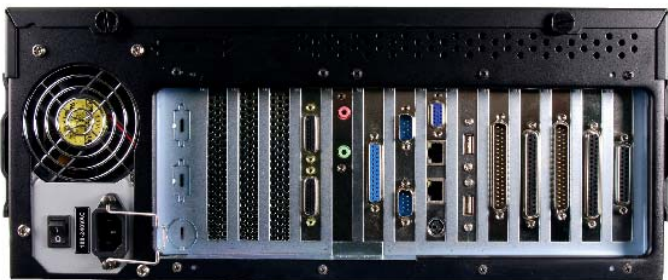
THE SOLUTION

- ▶ Short depth 4U Industrial 19" rack PCs with watchdog controlled switch over.
- ▶ Units are protected from harsh environments including grease and dust ingress.
- ▶ The installation includes setup of a variety of I/O cards from 3rd party manufacturers.
- ▶ Offshore installation kit to negate logistical issues.
- ▶ Captec supply fully configured systems with the value added service of installing, configuring and testing various cards as part of the production procedure.
- ▶ 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.
- ▶ Installation and deployment into a wide variety of cabinets made simple with the installation kit.
- ▶ 100+ systems deployed offshore.
- ▶ Units supplied and tested with additional peripherals simplifying the supply chain.



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