



Materials Handling

Crane Simulation

“Captec now supply us with all our rack mount systems and the best part is that they have listened to what our requirements are and then gone away and implemented them.”

Logistics Manager & IT Buyer

The solution is for a leading supplier of innovative training simulators to the Oil & Gas, Crane and Transport Industries. This Company has delivered over 450 training simulators in 40 countries. Their client base includes International and National Oil Companies, Drilling Contractors, Oilfield Service Companies, Commercial Training Schools, Universities, Equipment Manufacturers and Container Terminals.



Requirements & Issues

- ▶ Quality and reliability for a demanding application.
- ▶ Engineered solution for optimal serviceability and for a differentiated platform.
- ▶ Customised platform to be application ready out the box.
- ▶ Best balance of latest technology, with long term availability and commercial best value.
- ▶ One stop solution provider for multiple requirements.

The Solution

- Commercial off the Shelf (COTS) equipment engineered to customer's requirements (COTS+)
- 2U based solution with managed matrix of variants
- Thermal and power consumption analysis with optimisation for best CPU/GPU performance
- Engineered airflow and thermal management for maximum reliability and MTBF
- Fully loaded and configured OS + Drivers to customer's application ready requirements



The Outcome

- Customer's engineer's setup time reduced from ½ day to ½ hour per system
- Expedited and simplified integration into simulator through clear labelling and documentation
- Full traceability from system Serial No to BOM and PO details expediting warranty/parts management
- Improved and expedited field installation and serviceability significantly reducing time and costs
- Common components platform for multiple applications and configurations



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