



Medical Applications

Rapid Delivery of 3D Images

“Our ability to fully understand application needs and our extensive expertise in medical compliance positioned us ideally in designing and delivering this project.”

**Product Manager,
Captec**

The solution is for a pioneering human care company, who are developing significant innovations in the treatment of cancer and brain disorders. The customer aims to improve, prolong and save patient lives. The solution was developed to meet heightening demands for viewing high quality medical images simultaneously and instantly in different locations.

Requirements & Issues

- Images must be high resolution for accurate decision making
- Compliance and certification to key medical standards and operational up to 3,000 metres
- Longevity applied through obsolescence management is crucial to the application
- Computers are designed to meet specific application and user requirements
- Full connectivity allowing images to be viewed at multiple timeframes across several locations
- Large data capacity for the secure storage and transmission of patient images and documents

The Solution

- ▶ High definition multiport graphics display for the processing of high resolution images
- ▶ Designed and developed to fully satisfy regulatory and altitude requirements
- ▶ Extended and optimised for operational life and availability of computers through materials management and obsolescence control
- ▶ Designed to ensure aesthetical demands of the medical industry
- ▶ Total connectivity to hospital networks enables images to be distributed to multiple stakeholders across secure networks
- ▶ RAID storage for large volume capacity, reliability, accessibility and optimal performance



The Outcome

- ▶ Provision of a custom designed system to meet exacting requirements, with a five year operational life
- ▶ Overall project cost reduction through usage of COTS components
- ▶ Successful implementation creates customer confidence stimulating multiple repeat orders
- ▶ Simultaneous image viewing capabilities create improved collaboration between medical professionals



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