



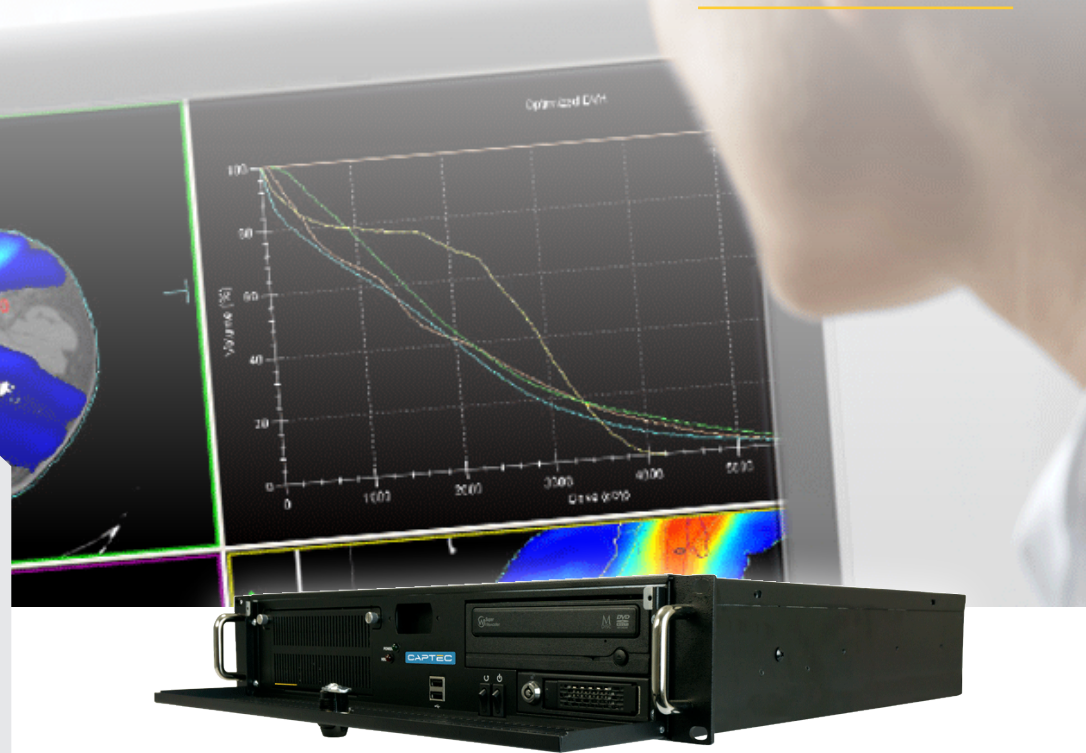
Treatment Planning

High Performance Computers For Accurate Digital Imaging Processing

▶ “Our ability to design custom computers to meet exacting application needs, combined with our expertise in compliance and obsolescence management, assisted us in enabling the customer to improve the reliability and longevity of treatment and planning equipment.”

**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. This solution was developed to improve the accuracy of the processed images which combined with input from the practitioner, regardless of their location, create an accurate treatment plan.



Requirements & Issues

- ▶ Compliance and certification to key medical standards and operational up to 3,000 metres
- ▶ Systems must be high performance and able to relay highly accurate information for effective treatment planning
- ▶ Large, secure and reliable storage capacity for images, documents and information
- ▶ Full connectivity allowing images and documents to be viewed at multiple timeframes across several locations
- ▶ Longevity applied through obsolescence management is crucial to the application
- ▶ Patient treatment planning data is sensitive and must be accurately recorded and dissemin between stakeholders to inform the proposed treatment

The Solution

- ▼ Designed and developed to fully satisfy regulatory and environmental requirements
- ▼ Latest technologies and high resolution graphics cards enhance the quality of medical images
- ▼ RAID storage for large volume capacity, reliability, accessibility and optimal performance
- ▼ A platform that is compatible with medical protocols to secure multi-location image retrieval
- ▼ Extended and optimised for operational life and availability of computers through materials management and obsolescence control
- ▼ Networks protected by Captec's threat management gateway, a unified threat detection platform



The Outcome

- ▼ Custom designed computing platforms, with a long operational life
- ▼ Equipping computers with the latest technologies that enhance the quality of medical images
- ▼ Successful implementation creates customer confidence stimulating multiple repeat orders
- ▼ Captec's computers ultimately helped to optimise treatment planning speed and accuracy



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