

## Kelway deliver business continuity / disaster recovery strategy and 60% reduction in power costs



The Royal Cornwall NHS Trust (RCHT) is the principal provider of acute care services in Cornwall. It serves a population of around 500,000, which is doubled by holidaymakers during peak periods. The Trust employs some 5,000 staff and is responsible for the provision of services at NHS sites in Truro, Penzance and Hayle with around 950 beds. Cornwall IT Services (CITS) is a shared IT service responsible for the NHS IT infrastructure in Cornwall.

### Customer Comment

"Kelway offered exactly the right combination of value and efficiency we were looking for. They were extremely hands-on, steering us towards best practice and best value solutions every step of the way. During our 18-month engagement with them, they worked openly with us to tackle any issues, generally embedding themselves into the project as one of the team.

Overall the project has been a resounding success and has reduced the workload on IT staff, allowing them to focus on new work rather than firefighting all the time."

**Tony Bray**  
Technical Services Manager  
CITS

### Issues & Challenges

- SAN infrastructure at Truro reaching end-of-life
- Implement new IT infrastructure alongside roll-out of new business-critical clinical software
- Consolidate 100 servers
- CITS had to continue delivering shared applications (e.g. email, thin client) and store data such as electronic patient records, staff rostering, and the national pathology application Clinisys
- Zero downtime target
- IT needs to be seen to actively support achieving the Trust's Green commitments

### Kelway Solution

- Detailed analysis and planning with Kelway fully integrated into team
- Developed Business Case, with funding options, to gain approval from Trust Board, IT Board, the Trust and CITS
- Data Centre: dual site VMware virtual data centre, with 150 hosts consolidated with VMware running on HP c-Class blades

- Storage: 2 x EMC CLARiiONs with a FalconStor IPstor virtualising storage layer which supported legacy systems, allowed cross-site replication and enabled the VMware virtual data centre
- Backup: virtual tape library, Quantum physical tape libraries and CommVault backup software
- Archiving: compliant archive platform of EMC Centeras, replicated across two sites
- On-site Project Manager; design; proof of concept; one data centre room refurbished and another built to house the second data centre

### Results & Benefits

- Backup success rate increased from 78% to 98%
- Server consolidation reclaimed data centre space; delivered power savings up to 60% - supports the RCHT Green commitment to energy efficiency
- Reduced cost of provisioning and maintenance