
HP to Build Technology Infrastructure for Next-Generation Digital Hospital in Australia

HP Digital Hospital Solution to be technology foundation for seamless workflow, better patient outcomes

Hewlett-Packard Australia has announced it has signed a technology services agreement to design, build and maintain a portion of the information, communication and technology (ICT) systems for the South Australia Government's next-generation digital hospital in Adelaide, Australia.

The new Royal Adelaide Hospital – a state-of-the-art, 800-bed hospital – is a public-private collaborative project that will become the benchmark for Australia's new medical institutions. In addition to enabling clinical staff to deliver better patient care, the new hospital is expected to cost the state government less to run in terms of nonclinical support services, compared with the hospital that it will replace.

HP's deep applications, technology and industry knowledge will play an important role in the delivery of the largest, most technologically advanced hospital ever built in Australia.

The new Royal Adelaide Hospital is the first facility to use version 2.0 of the HP Digital Hospital Solution as its technology foundation. Managed by HP, this cohesive set of technologies and services replaces single-function systems with a comprehensive solution that aligns technology with operational and patient priorities.

HP will integrate the new Royal Adelaide's in-building systems with the South Australia Government's enterprise-level health patient admission and medical records applications to create a pervasive, real-time information environment. The solution automates clinical and facilities management workflows to improve care and efficiency and deliver better outcomes for patients.

Integrating a digital hospital

HP will provide an integrated solution built on HP Converged Infrastructure to provide high availability by using virtualised, clustered and dual-redundant systems. The integrated solution will link the South Australia Government's enterprise systems with critical hospital systems including:

- Building engineering systems, such as building automation and security systems, providing critical alerts to clinical staff;
- Automatically Guided Vehicle (AGV) System, providing more efficient and timely notifications to clinical and facilities management staff;
- Communications Systems, such as the IP PABX, which will support devices including smartphones and tablets, improving staff responsiveness and efficiency; and
- Real-Time Location Systems (RTLS), used for patient and equipment tracking, providing improved medical equipment utilisation, while ensuring patients are locatable by staff at any time for booked procedures or to ensure their safety.

Medical systems including the nurse call system, picture archiving and communication system, and sophisticated bedside terminals also will be integrated. Performance and fault monitoring will be provided from an HP Best Shore location.

HP will offer Enterprise Service Management to provide best-practice ICT service-desk operations. HP Application Management Services will maintain the production application environment and provide ITIL-based change and release management services for an onsite integrated test environment. This will be used by all IT providers for preproduction application testing.

"With the cost of healthcare and patient numbers on the rise worldwide, South Australia is getting ahead of the dire need for better care delivered more efficiently to keep up with the growing demand from its citizens," said Alan Bennett, vice president, Enterprise Services, HP South Pacific. "HP is uniquely qualified to leverage technology across markets, improving operational efficiency and enabling care coordination to help the new Royal Adelaide Hospital improve patient outcomes and be a leader in healthcare information technology innovation."

HP Converged Infrastructure is a key component of an Instant-On Enterprise. In a world of continuous connectivity, the Instant-On Enterprise embeds technology in everything it does to serve customers, employees, partners and citizens with everything they need, instantly.

HP's premier client event, HP DISCOVER, takes place Nov. 29 - Dec. 1 in Vienna, Austria. The event showcases how organizations can get started on their Instant-On Enterprise journeys.

