

CONNECTED FOR BETTER CARE: AUSTRALIA'S FLAGSHIP DIGITAL HOSPITAL

Western Australia's flagship healthcare facility is a pioneer in the latest scientific, technological, and medical developments – including a connected hospital with state-of-the-art integration from Honeywell.

Case Study





From early planning stages, connected technology was identified as essential for the Fiona Stanley Hospital, which spans 9 buildings and more than 200,000 square meters.

Honeywell used its Enterprise Buildings Integrator (EBI) as the master platform to unify HVAC and building controls, energy management, IT systems, communications, and security into one powerful, campus-wide IP network offering a common user interface.

The Challenge

Campus-wide integration of IT and communications.

Extensive array of Extra-Low Voltage (ELV) systems from multiple vendors to integrate.

Management of buildings and energy with focus on automation, sustainability.

Security monitoring for more than 5,000 people per day.

Single, common interface.

The Solution

Master Systems Integrator: Honeywell was responsible for integration of third-party and Honeywell systems on one central platform. Seven EBI servers connect more than 150,000 points from 65+ ELV systems, providing comprehensive control over the entire campus.

Information Communications Technology (ICT): Honeywell delivered the campus's ICT infrastructure, including servers, virtual environment, storage, and active IP network to integrate all ELV systems and services onto a common platform, reducing duplication and complexity.

Security Management: The site-wide safety and incident management system provides intrusion detection, CCTV, access control, and intercom. Honeywell Digital Video Manager was deployed with the DVM Console in the main control room to enable efficient facility monitoring.

Energy and Building Management: Honeywell Energy Manager (HEM) monitors and manages 1,100 metered energy loads across the site. This is integrated with HVAC controls via Honeywell ComfortPoint™ to ensure comprehensive monitoring and efficient, sustainable facilities control.

The Benefits

- Seamless integration of multiple systems on one platform provides ability to monitor and manage entire facility from an enterprise view.
- Greater flexibility, redundancy, and scalability: One converged network for building controls reduces capital, lifecycle, and maintenance costs.
- Flexibility in workflows and facility management due to mobile connectivity and support, aiding productivity across the campus.
- Simplified central event and alarm management, with real-time facility-wide view that promotes faster, better-informed responses from staff.
- Integrated building management approach optimizes HVAC and energy resources, promoting reduced energy consumption and operational costs.

For more information

www.honeywellaidc.com

Honeywell Business Group Name Goes Here

Street Address Line 1

Street Address Line 2

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www.honeywell.com