The new Royal Adelaide Hospital (RAH), is Australia’s most advanced hospital, delivering a quantum leap in healthcare in South Australia.

**PLANNED, DESIGNED AND BUILT AROUND THE NEEDS OF THE PATIENT**

The 800 bed new RAH has been planned, designed and built around the needs of the patient and reflects international best practice in hospital design.

All general inpatient beds at the new hospital are in single rooms with ensuites, providing the highest level of patient privacy and infection control. Key features of the general inpatient rooms include windows that open to allow access to fresh air and views of surrounding parklands or gardens. These rooms also feature an in-built day bed enabling a loved one or carer to stay overnight (where it is in the patient’s best interests), while bedside monitors (touch screens) enable patients to control entertainment systems, such as free-to-air and pay TV, view meal options and order food.

Areas within the hospital have been positioned to allow the fastest and most efficient movement of patients through the hospital. Using a technique called ‘stacking’, the position of the Emergency Department, for example, is directly below critical areas on other floors, including pathology and blood transfusion, trauma and emergency theatres and the helipad. Each area is connected by ‘hot lifts’, enabling these critical services to be reached in under two minutes.

**PROVIDING A FULL RANGE OF COMPLEX MEDICAL, SURGICAL, DIAGNOSTIC AND SUPPORT SERVICES**

As South Australia’s flagship hospital, the new RAH will provide a comprehensive range of complex care across medical, surgical, emergency, acute mental health, outpatient and diagnostic services.

The new RAH will be a ‘super-site’ for major emergencies in South Australia, such as heart attacks and stroke, and will serve as the complex multi-trauma destination for the state.

There will be a 24 hour on-site stroke team, a 24 hour on-call service for acute coronary syndrome and 24 hour diagnostic and imaging services.

The new RAH will be the statewide centre for critical services such as complex cancers and bone marrow transplants, craniomaxillofacial surgery, neurosurgery and cardiothoracic services with a focus on complex thoracic surgical cases.

Other key statewide services to be provided include renal transplantation, hyperbaric medicine and complex vascular medicine and surgery.
THE NEW ROYAL ADELAIDE HOSPITAL
Australia’s most advanced hospital

QUICK FACTS
> The new hospital has capacity for 800 beds with all general inpatient beds located in single rooms with ensuites providing the highest level of patient privacy and infection control.
> Australia’s most technologically advanced hospital with a full range of complex medical, surgical, diagnostic and support services.

LEADING EDGE CLINICAL TECHNOLOGY
The new RAH will be Australia’s most technologically advanced hospital and will set a benchmark for hospitals of the future.

Technology will include:
> one of the biggest Automated Pharmacy Distribution Systems in the nation, comprising more than 80 automated dispensing cabinets in patient wings to support the accurate and timely distribution of medicines
> advanced tele-health facilities enabling staff to consult with colleagues and patients across the state, including remote rural areas
> a fleet of automated guided vehicles to help move supplies and equipment around the hospital safely and efficiently
> a digital instrument tracking system to manage the RAH’s vast collection of medical equipment and enable items to be located quickly and easily
> interactive wayfinding touch screen kiosks located in main entrance areas, which will provide printed directions and on-screen maps
> digital imaging technology allowing clinical images to be streamed live from operating theatres and procedural rooms for diagnostic and training purposes
> a wireless patient nurse call system, enabling nurses to respond to patients wherever they are, before attending to them in their rooms.

EQUIPPED TO RESPOND TO MAJOR DISASTERS
The new RAH will play a lead role in South Australia’s disaster management strategies, with capacity to support victims of both man-made and natural catastrophes.

The Emergency Department is equipped to respond to major disasters, such as a chemical spill, with decontamination showers enabling mass decontamination, while having five negative pressure rooms and a quarantine room will be crucial in the event of an infectious outbreak.

The quarantine room is designed to the standards required to support patients with highly infectious diseases such as Ebola and can be segregated from the rest of the ED.

The hospital has been designed with flexibility to convert specific spaces into additional clinical areas in the event of a mass casualty disaster such as a plane crash.

The new RAH is also engineered to withstand major earthquakes and extreme weather events and can continue to operate for 48 hours if completely cut off from outside services such as water and power.

PART OF THE LARGEST HEALTH PRECINCT IN THE SOUTHERN HEMISPHERE
The new RAH forms a critical part of the South Australian Health and Biomedical Research Precinct which brings together healthcare, education and research in one central hub.

FOR MORE INFORMATION
The new Royal Adelaide Hospital
Port Road
Adelaide SA 5000
newrah.sa.gov.au
newrahfeedback@sa.gov.au

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