



Darling Downs Health

Darling Downs Health provides a range of public health services to communities in the South Burnett, Western Downs, Southern Downs and Darling Downs areas.

Toowoomba Hospital is a major regional hospital, serving around 300,000 people in the Darling Downs area. The population is expected to grow to 386,000 by 2036.

Compelling need for the project

The hospital required a new operating theatre to increase capacity of the Theatre Department to meet the current demand.

The project also required modifications to the existing fire services and fire compartments to comply with current standards.

Celebrating key collaborators



Installation of Modular Operating Theatre Platform Toowoomba, Queensland

Wiley services delivered: operating theatre platform for the installation of a modular theatre and construction of a new linkway into the Theatre Department

Business value created for the client

Wiley worked with Queensland Health to install the customer-supplied modular operating theatre, complete with HEPA filtration and medical gas services. Applying in-depth experience in delivering the modular operating theatre in high-hygiene, operational and public environments, Wiley delivered the project six weeks ahead of the contracted programme.

To ensure all key stakeholders were aware of the project requirements and objectives, Wiley met with them daily. Queensland Health and Toowoomba Hospital achieved industry compliance and the highest standard of operational efficiencies, hygiene control and workplace health and safety, due to this high level of collaboration and communication.

Fire services upgrades including fire compartmentation, fire egress and fire detection systems, were required for the installation of the new modular theatre. These works also occurred in the operational stroke, pharmacy and renal wards. Very careful consideration was given to stakeholder engagement, ensuring key construction activities were planned around operational activities. The services works were effectively planned to minimise impact on the clinical services adjacent and above.

The challenging scope Wiley delivered

Wiley delivered a 400m² structural steel supporting platform, built near existing HV and gas services, to support the module. A new enclosed link corridor provided direct patient transfer from the existing surgical suites which, along with the adjacent MRI machine, were operating during the build. This involved demolition, reconfiguration, and refurbishment of the surgical access. At all times, Wiley ensured hygiene, noise and vibration were well managed. Many unknown in-ground services were discovered, including redundant and live HV and gas. Wiley proactively provided solutions to these issues and carefully managed the works to ensure hospital operations were maintained.