



Casey Hospital Expansion Project

The Brief

Casey Hospital is a 229 bed hospital providing a comprehensive range of health services in Melbourne's outer east. A recent 13,000m² expansion enables provider Monash Health to treat 25,000 patients, perform an extra 8,000 procedures and support 1,300 births annually.

ENGIE completed the design, supply, install, testing and commissioning of the audio visual systems in the following locations:

- 9 x Collaboration Rooms
- 8 x Digital Signage Displays
- 6 x Meeting Rooms
- 5 x Digital Operating Theatres
- 1 x Integrated Operating Theatre
- 1 x Journey Board
- 1 x Education Precinct Lecture Theatre



The Solution

The collaboration rooms have been fitted with an audio visual solution that facilitates small-group workshops, meetings and discussions. The system consists of a single large 70" interactive flat panel display that can be operated via a resident PC. A touch overlay on the display allows users to annotate and interact with content, allowing the user to export files to an email address or USB.

Dedicated digital signage displays are installed throughout the hospital. These portrait-mounted, 55" LCD flat panels are used to support the playback of dynamic, regularly updated signage content and public information. The audio visual equipment integrated into the operating theatres allows for connection to pendants, cameras, arm monitors and third party medical devices.

The operating theatres' audio visual system supports the requirements for surgical operations, including the ability to display local sources on multiple displays, ability to show live camera feeds from multiple angles and the capability to capture and record theatre surgical operations. Custom user interfaces allow each surgeon to personalise their audio visual layouts and signal delivery to receive an optimum workflow and theatre experience. Operating theatres are fully integrated with fibre systems and are supported with 4K infrastructure for premium resolution video to provide highest accuracy of imaging from medical equipment.

The Benefit

ENGIE worked closely with Watpac and CHW Consulting on the design and construction of the Casey Hospital Expansion Project to deliver a world class health and science infrastructure.

The solution deployed by ENGIE uses current, innovative technology that promotes an efficient work environment for healthcare professionals at Casey Hospital. The facility is now poised to deliver even more services to one of the fastest growing areas in Melbourne's south east.



Personalised AV layouts and signal delivery for each surgeon



4K infrastructure to provide highest imaging accuracy from medical equipment