

# GEELONG HOSPITAL

**CONSTRUCTION COMPANY :** Kane Constructions  
**CLIENT :** Barwon Health  
**ARCHITECT :** Silver Thomas Hanley  
Wendy Hastrich Architect  
**SURVEYOR :** DCWC  
**STRUCTURAL ENGINEER :** Irwin Consult  
**PROJECT END VALUE :** \$35 Million

## KANE CONTINUES TO ADVANCE HEALTHCARE IN GEELONG

**KANE CONSTRUCTIONS PTY LTD**  
658 Church Street  
Richmond VIC 3121  
t. 03 8420 1200  
f. 03 8420 1201  
www.kane.com.au

Kane Constructions is building on previous successful projects for Geelong Hospital, with the completion of new office space and a new 24 bed ward. There were several key challenges, which were more easily resolved thanks to the well-established working relationships Kane has with the hospital and the project's subcontractor team.

Several packages of work have been undertaken within the last twelve months. Stage one on Level Three of the hospital's new emergency department building (which was completed by Kane in 2009), involved fit out for the headquarters for the CEO, finance department and hospital administration staff; and the construction of The Swanston Centre, a new building of commercial office space for the hospital's finance department.

Stage two comprised the construction of a new 24 bed ward on Level Two of the new Emergency Department building, and conversion of old workshops at the Hospital to biomedical facilities, store, maintenance and offices for non-medical staff.

Work has also commenced on the redevelopment of the Hospital's surgical theatre this year, which Kane expects to complete by mid next year. All of these works will be completed without replacing the facades of the existing buildings.

A major part of the construction management task has been the services diversion planning. Kane have needed to plan the relocation of all services in redeveloped spaces. A linkway was put through the centre of the site for the re-routing of all the communications and electrical cables while works are in progress. The plan is for all the new services – HVAC and hydraulics – to tie into existing systems, with some modifications to achieve efficiencies of energy and water, such as installing low flow fittings. Kane have also added small sections of insulation to sections of the walls, and added insulation under the Podium, an existing sun deck on the roof.

Internal walls have been constructed of mainly 13mm plaster on stud framework, with some additional fire rated walls. Doors are MDF, and the aluminium framed windows include double glazing for the external windows on Level 2, the new Ward. Water-based low-VOC paint finishes have been used throughout to ensure optimum indoor air quality.

"This project has designs which are constantly evolving due to end-user requirements," said Kane Constructions Site Manager, Shane Martin.

"This is a constrained site, but very spread out, with 300m from the Swanston Centre to Level Two. There is no space on site for mobile craneage, so we have had to use more labour and ladders and mobile scaffolding instead. The logistics of deliveries have been quite a challenge, and due to some of the buildings having old timber floors, we have not been able to use scissor lifts due to the load bearing risks. Access has been a really difficult issue."

As the Hospital has continued to meet the needs of patients, Kane have had to be scrupulous about safety, separating construction works from the active hospital by the use of dust-proof partitioning and hoardings. Kane also gave the hospital noise work notifications a week before hand, requiring good management of work progress to remain synchronised with the predicted program.

Seven Kane staff have been working onsite, with a team of 49 subcontractors and a peak daily workforce of around 45. An excellent safety

record has been maintained, with weekly safety meetings and an OH&S rep on site fulltime, constantly monitoring work methods and site safety.

"We are happy with the way it has all come together under somewhat difficult circumstances, with limited access for men and materials. The management of trades and subtrades has been fairly intense, and we have worked to build a cohesive sense of teamwork," said Shane.

"At Kane, we like to build relationships with our tradesmen, and the Hospital has the same ethos, some of the trades working with us on this project have been working for the Hospital for many years. This leads to good, solid working relationships on site."

Other work Kane Constructions is currently undertaking in Geelong includes the Eastern Beach Aquatic Centre and a medium density affordable housing residential project.

Kane are a privately owned multi-award winning commercial construction company active in all sectors of the industry in Eastern Australia and overseas, with offices in Sydney, Melbourne and Brisbane.





## LOTS OF GOOD THINGS COME IN SMALL PARCELS

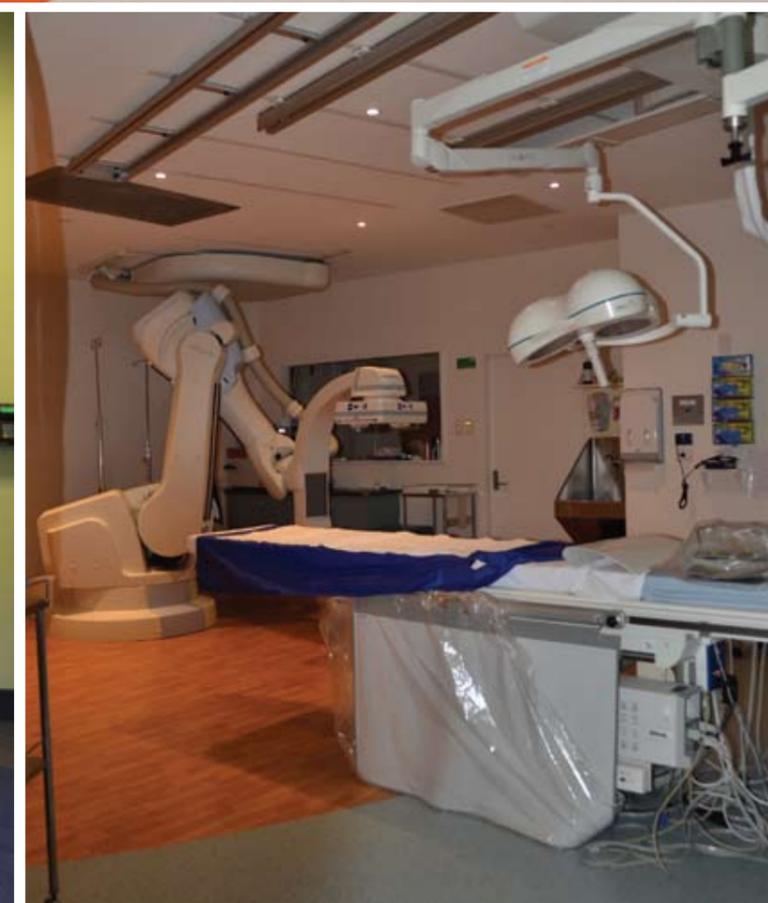
Health is a very specialised field of architecture and within the field of health work there are big jobs, small jobs, complicated jobs and logistical jobs.

Wendy Hastrich is the Director of a small specialised architecture company based in Geelong. Wendy has worked in the field of Health for fifteen years. Since setting up her own practice eight years ago Barwon Health is one of the Health organisations who approached Wendy Hastrich Architect Pty Ltd to work on many of the small projects for the Health organisation.

Over that period this company has worked on some one hundred and twenty projects for Barwon Health that has taken Wendy and her team through Nuclear Medicine, Medical Imaging, Dialysis, reception areas, colour schemes, Prevention and Recovery Care Facilities, surgical theatres, lecture theatre, orthotics, primary care and Allied Health.

The projects shown here include the recent refurbishment of the John Lindell Theatre located in the main hospital complex (top left), the new colour scheme for the hospital's main entry (bottom right), the on-going project with Kane Construction of the refurbishment to the existing surgical theatres in the hospital (top right) and the refurbishment work done for Barwon Medical Imaging which included the installation of the ZeeGo 3D image scanner (bottom right).

Much of the work has tight timelines and tight budgets. There are many small projects that work at expanding the “darts and the stitching” in a facility that allows a dynamic Health Facility to cope with the changing daily demands in an organisation such as this.



Wendy HASTRICH ARCHITECT

**WENDY HASTRICH ARCHITECT**  
7 Lichen Grove  
Highton VIC 3216  
t. 03 5241 7217  
f. 03 5241 7217  
e. hastrich@pipeline.com.au  
www.wendyhastrich.com.au

Geelong Hospital, VIC



## TALENTED PEOPLE...SUSTAINABLE SOLUTIONS



# FLOORSAFE<sup>®</sup> INTERNATIONAL

Phone: 1300 717 769 Facsimile: 1300 400 434

Email: [info@floorsafe.com.au](mailto:info@floorsafe.com.au) Web: [www.floorsafe.com.au](http://www.floorsafe.com.au)

## SAFETY PRODUCTS FOR FLOORS, STEPS & STAIRWAYS

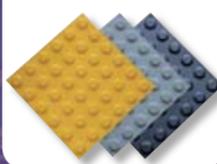
ANTI-SLIP FOR  
TILES



CABLE COVERS



PEEL & STICK  
TACTILES



FLOOR  
MARKING  
TAPES



TACTILE  
INDICATORS



TACTILE  
300 x 600 PADS



REFLECTIVE  
TAPES



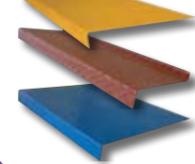
ANTI-SLIP  
TAPES



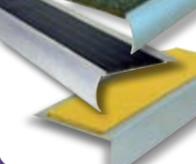
LADDER RUNGS



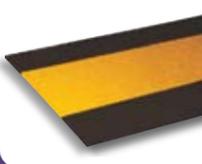
SAFETY TREAD  
NOSINGS



ALUMINUM  
STAIR NOSINGS



LINE MARKING  
PAINT



Providing the right atmosphere for healing is a D & E specialty. As one of Australia's leading air conditioning and mechanical services contractors, with a solid commitment to delivering energy efficient solutions, D & E have a substantial track record in the health sector. One of their recent success stories is Geelong Hospital, where they have undertaken the refurbishment and fit out of several floors including specialist medical gases.

Their scope of works included plumbing, electrical, controls, insulation and relocations of piping and services for areas including Theatres and Children's Wards. The assignment was handled by the Geelong D & E office, which has a staff of 11 including Project Managers, Engineers, Estimators and Draftsmen, and on site personnel of 30 plumbers and apprentices. The Geelong office was established in 2007, to cater for projects within Geelong and surrounding areas, extending to western Victoria and beyond.

D & E was founded in 1989 and has grown into a company employing 250 plus staff throughout Victoria, taking particular pride in the fact they have ongoing commitment to training in drafting, plumbing and engineering graduates within the state.

In 2005 D & E joined the Hastie Group to become the biggest air conditioning organisation in Australasia with offices in the United Kingdom, New Zealand and the United Arab Emirates. The size and diversity of D & E has enhanced economies of scale and the overall service capabilities.

As a member of the Green Building Council with a dedicated Green Star division, D & E can provide projects with the best available products and technologies for energy efficiency and sustainability. The company has an enviable track record of delivering innovative, practical and workable

solutions for some of the most challenging projects across the health, education, scientific, retail, commercial and residential sectors, and maintains strong relationships with both clients and suppliers.

Company services include mechanical installation; ESA - Energy Solutions Australia - Commissioning, Energy design and installation; budget - cost plan; design audits - building modelling; procurement and project management; supply and install; and Commission and maintain.

Other outstanding D & E projects include the Parkville Neuroscience Project; RACV Golf Club and Specialist Resort Hotel; Geelong Water Pumping Station; Geelong Civic centre and Sports Pavilion; 181 William Street (5 Star Green Star Office As-built - 4.5 Star NABERS commitment); 140 William Street, Perth (5 Star Green Star Office Design); and Myer C9 Docklands (5 Star Green Star Office As-built).

Whether a project is large and complex, or small and requiring a rapid turnaround from design to commissioning, D & E can ensure the best environmental outcome, both within the building, and in terms of the sustainability of the surrounding environment we all share.

### D & E AIR CONDITIONING PTY LTD

Head Office  
11 Corporate Ave  
Rowville VIC 3178  
t. 03 9751 4222  
f. 03 9751 4250  
e. [mail@de-air.com.au](mailto:mail@de-air.com.au)  
[www.de-air.com.au](http://www.de-air.com.au)

Geelong Regional Office  
63 Tucker Street  
Breakwater VIC 3219  
t. 03 5229 2200  
f. 03 5229 2273  
e. [mail.geelong@de-air.com.au](mailto:mail.geelong@de-air.com.au)

**MAKE IT SAFE BEFORE IT'S TOO LATE!**