

# NEW CONTEMPORARY FACILITY FOR THE NEPEAN HEALTH CAMPUS

Aurora Projects were responsible for Project Definition Planning, Procurement and Delivery of \$110million of projects comprising the Nepean Hospital Stage 3 Redevelopment.

NEPEAN HOSPITAL REDEVELOPMENT / AURORA PROJECTS



Aurora Projects was appointed by NSW Health Infrastructure as Project Director in 2007 to manage the redevelopment works of the Nepean Hospital Stage 3. The services provided by Aurora for the Nepean Redevelopment comprised master planning, services procurement planning, project definition planning, procurement and project delivery.

The scope of redevelopment included; the construction of the new East Block containing six new operating theatres (one fully equipped with a Philips mono-plane interventional X Ray System), an ambulatory procedures centre, 60 overnight surgical beds, a 10 bed Medical Assessment unit, refurbishment and expansion of the Intensive Care Unit to 24 beds, refurbishment of CSSD, extension and refurbishment of Oral Health services to 32 dental chairs, expansion of in-centre renal dialysis from 2 to 8 dialysis stations, upgrading of the CSSD and a 600 space multistorey carpark.

Aurora Projects is a multi-disciplinary consulting firm focused on working with their client's in the healthcare and education sectors. They are known for their ability to identify clients needs, and successfully translate desired service outcomes into project briefs, business cases, asset planning and the delivery of the final asset. Their business is centred on providing specialist advisory services to assist clients address major strategic challenges in the planning and execution of major capital projects. Assignments are varied, usually with a focus on the early feasibility & planning stages of a project.

Aurora is very proud of the established working relationships and their subsequent reputation for partnership, knowledge and experience. With a strong national presence and proven track record domestically and internationally, they have the capability to deliver large and small scale projects

Their advisory services have been applied to assist with the development of strategies for many clients and projects throughout Australia and the Asia Pacific region. Each of their projects is delivered with strong leadership, to a clearly defined plan with a commitment to the pro-active management of risks and opportunities.

As specialists in the planning and development of health care and education sector infrastructure, facilities and services, their expertise is delivered by a team of skilled professionals from wide ranging professional backgrounds. Their entire team is committed to providing leadership in management and they practice listening, thinking and acting – in fact it's their philosophy for doing business. As a result they enjoy mutually respectful relations with clients, cultivating a genuine sense of togetherness in the planning and completion of projects.

Aurora's reputation over many years as an industry leader is based on proven experience applied across a variety of health and related sector projects, generally with a focus on the definition of client needs and the evolution of those needs into a robust project brief and concept planning. This is achieved by applying the right combination of skills, experience and resources to every project.

Current projects being undertaken in by Aurora in NSW include: project management of the new 64 bed facility for the Graythwaite Rehabilitation Trust project at the Ryde Hospital, the Mechanical and Manufacturing Engineering Precinct Development at the University of New South Wales and the new 20 bed rehabilitation Subacute Centre at Woy Woy Hospital. Current project direction and advisory roles include the planning stages for redevelopment of Lismore Base Hospital, the Faculty of Science Accommodation Renewal Strategy for the University of New South Wales, the New Science Building at the University of Technology Sydney and the Hawkesbury Rural Clinical School for the University of Notre Dame.

Aurora is also currently responsible for the project direction and planning of in excess of \$2.0bn of projects for state health departments in Western Australia and the Northern Territory

The project also has further been nominated on the list of finalists for the 2012 NSW Premiers Awards in the "Building Infrastructure Category" recognising infrastructure projects that make a difference to the NSW economy and people's lives.

For further information please see [www.auroraprojects.com.au](http://www.auroraprojects.com.au) or telephone 02 8920 1838

Below Peter Kelly Flooring were responsible for all the floor coverings on the Nepean Hospital Redevelopment.



**Peter Kelly Flooring (PKF) is a privately owned, family business with offices in NSW & Queensland specialising in providing the highest quality industrial & commercial flooring products & services throughout Australia.** Established in NSW, PKF have over 30 years of installation experience and have completed some of Australia's major projects in hospitals, aged care facilities, correctional centres, schools, supermarkets and large public spaces.

PKF were the perfect choice for the installations of floor coverings for the Nepean Hospital redevelopment project, and over the years they have established a solid reputation for the supply and installation of a wide selection of quality commercial flooring products including vinyl flooring, carpet and timber flooring to this specialised sector of the market. PKF understand the importance of delivering commercial flooring solutions to best suit clients specific needs and requirements and will give independent advice on value for money products to ensure ease of maintenance, comfort and appeal, abrasion resistance, as well as selections for anti-static environments.

PKF are proud to have worked in conjunction with Tarkett who were responsible for the supply and manufacture of the materials used in the Nepean Hospital project with over 120 years of experience in the flooring industry Tarkett have become the largest provider of integrated flooring and surface solutions in the world. No other manufacturer offers larger product diversity, allowing them to anticipate all flooring needs to propose the best solution for each and every area of the building.

Each of Tarkett's integrated flooring and surface solutions caters to a very specific customer need. No matter whether the project is public, commercial, residential or a sports facility installation, a new construction or a renovation project, it's the combination of their world wide expertise and broad product portfolio across vinyl, linoleum, rubber, laminate, wood, accessories and sport surfaces, as well as their intimate understanding of customers' needs that enables Tarkett to create those distinctive flooring experiences.

It is the policy of PKF to conduct their business in an environmentally sound manner. Ensuring that their operations, products, and services comply with all relevant statutory requirements and that subcontractors, suppliers, and others

with whom they do business are aware of their environmental policies. They communicate openly and constructively with employees, customers, relevant authorities; and the community and have management systems and operating procedures necessary to identify, monitor and control the impact of operations on the environment and strive continuously to improve on environmental performance.

PKF support flooring products and manufacturers that have sound environmental credentials and where possible are involved with "take back" schemes that offer product off cut recycling, ensuring the best possible outcome for minimising environmental impact.

A wide selection of quality commercial flooring products and professional staff offering years of specialised expertise enable you to select the flooring right for your project. You can feel confident your flooring needs are backed by our commitment to excellence. Other areas of expertise include waterproofing, set downs, subfloor preparation, wall protection, tactile, wet area systems, static control flooring, gym floors and dance floors.

"Our mission is to exceed our client's expectations every day by providing high quality flooring products & services."



Peter Kelly Flooring and Tarkett Australia are proud to be associated with Australian Health Design Council.

**For more information contact,** Tarkett NSW State Manager Mike Smee, mobile 0438 532 222, phone 02 8853 1224  
Peter Kelly Flooring, Adrian Murphy, mobile 0418 969 885, phone 02 9899 6688

**Below** JBA Planning provided NSW Health Infrastructure with planning services to gain approvals for a number of stages of the Nepean Hospital Redevelopment.



**JBA is a specialist and independent planning practice with a large team of highly qualified staff working from offices in North Sydney, Wollongong and Newcastle.** They provide a full range of planning and design services and specialise in medium to large scale planning and development projects along with more complex statutory and policy issues. Over the past twenty years JBA has been involved in over 4,000 projects including many landmark and award-winning developments. The team is committed to working with their clients to achieve results that are sound, creative and sustainable – environmentally, socially and economically.

JBA provided a range of planning services to NSW Health Infrastructure to gain planning approval for a number of stages in the redevelopment of the Nepean Hospital Campus. The main project JBA was involved with was the new Integrated Mental Health Unit (IMHU). They have also undertaken advice and planning around early works packages related to decanting and relocating uses to facilitate the construction of the IMHU. Most recently they assisted NSW Health Infrastructure to gain approval for a new multi-deck car park at the intersection of Somerset and Derby Streets.

The IMHU was a Project Application under the now former Part 3A approvals process. With a Capital Investment Value of about \$40 Million the project was of State Significance. The IMHU features:

- The construction of a multi storey building to accommodate the IMHU. The building will have a gross floor area of 5,611m<sup>2</sup>;
- Mental health accommodation units;
- Offices for mental health professionals and administration staff;
- Lounge, dining and informal areas, education/workshop areas, family meeting rooms, gymnasium and multimedia

- entertainment and education rooms;
- Internal landscaped courtyards accessible from within the building;
- Ancillary plant and infrastructure and
- Relocation of an existing Reconciliation and Memorial Garden and commemorative plaque.

JBA added value to these projects by seeking to evaluate NSW Health Infrastructure's development staging needs and tie this to a planning approvals regime across all project elements that provided flexibility, appropriate levels of consultation with Council and the community, and timing-based certainty. JBA was able to develop an approvals regime that used various pieces of planning legislation to its fullest and provide a template report for the purposes of the Development without Consent approvals.

Further, JBA was able to facilitate various design changes to the IMHU post-approval without the need for further modifications to that approval, due to its understanding and expertise in the Part 3A process. This further ensured the construction process would not be held up by unnecessary further negotiation and approvals.

The innovative design of the IMHU (by Woods Bagot) raised some concern with authorities about its contribution to the streetscape. JBA, with Woods Bagot, were able to define the project's functional aspects (and community-based need) and tie this to the overall design of the building. JBA was also able to present clear arguments around context, minimal environmental impacts, and overall improvement of the address of the Hospital to its locality. The experienced team at JBA were able to simply and clearly articulate solutions and responses to allow an unhindered design-making process free of unnecessary delays.

Some key JBA social infrastructure projects and clients include:

- Macquarie University Campus Concept Plan and various projects - Concept Plan, Rezoning, Project Applications (Macquarie University)
- University of Technology Sydney, Broadway and Kuring-gai Campuses Concept Plans, Rezonings, Project Applications (University of Technology Sydney)
- University of NSW - Various projects, including new Material Sciences and Engineering Building (University of NSW)
- Dubbo Hospital Stage 1 Redevelopment - SSD DA (NSW Health Infrastructure)
- Prince of Wales Hospital Comprehensive Cancer Care and Blood Disorder Centre - SSD DA (NSW Health Infrastructure)
- St Vincents Hospital Master Planning (St Vincents and Mater Health)

Other key JBA projects and clients include:

- Barangaroo (Lend Lease Development)
- 161 Castlereagh Street (Grocon Developments NSW)
- 126 Philip Street (BT Funds Management)
- Costco Auburn (Costco Australia Wholesale)
- Thornton Park, North Penrith (Landcom)

**For more information contact JBA Planning,** website [www.jbaplanning.com.au](http://www.jbaplanning.com.au), email [jba@jbaplanning.com.au](mailto:jba@jbaplanning.com.au)

Sydney, Level 7,77 Berry Street North Sydney NSW 2060, PO Box 375 North Sydney NSW 2059, phone 02 9956 6962

Wollongong, Level 1, Burelli Street Wollongong NSW 2500, phone 02 4254 1025

Newcastle, Level 1, 35 - 37 King Street Newcastle NSW 2300, phone 02 4927 0980

JBA Social Infrastructure Sector Leader: Oliver Klein (Associate), phone 02 9409 4940 or [oklein@jbaplanning.com.au](mailto:oklein@jbaplanning.com.au)



**Image** The Philips FD20 Hybrid Vascular X-ray system, which was installed by Australian Medical Installations into The Nepean Hospital Redevelopment.



With over 25 years of combined experience, Australian Medical Installations has a well-established reputation in the field of medical imaging technology. Their team of specialists offers innovative solutions and reliable, professional service whether installing, relocating or decommissioning medical imaging equipment. AMI's expertise ranges across X-Ray machines, MRI's, CT scanners, as well as Cath, Angio, Hybrid and EP Labs.

While AMI has a growing number of successfully completed projects across the Asia-Pacific region, over the past few years AMI has been involved in a number of high profile NSW healthcare infrastructure redevelopment programs.

Working closely with Philips Healthcare and construction company Laing O'Rourke, AMI completed the installation of a state of the art Philips FD20 Hybrid Vascular X-ray system into the new development at Nepean Hospital in Sydney's West in December 2011.

Currently the team is working on the large-scale redevelopment of the Royal North Shore Hospital in St Leonards, Sydney. Philips Healthcare was awarded the contract to install a full suite of X-ray

machines into the revamped radiology department, and AMI have been working with them to complete the installation of 18 Medical Imaging systems, including CT's, Angio Labs, General X-Ray, Fluoroscopy and assisting with the installation of two MRI systems. The installations are due to be completed by the end of 2012.

AMI offers full-service packages including site assessments, organisation of all logistics, and stringent adherence to manufacturers' specifications as well as health and safety standards. "Every installation project is different, requiring careful assessment and planning according to the unique challenges the site poses. We aim to execute each project as seamlessly as possible," says AMI's Installation Specialist David van Dorssen.

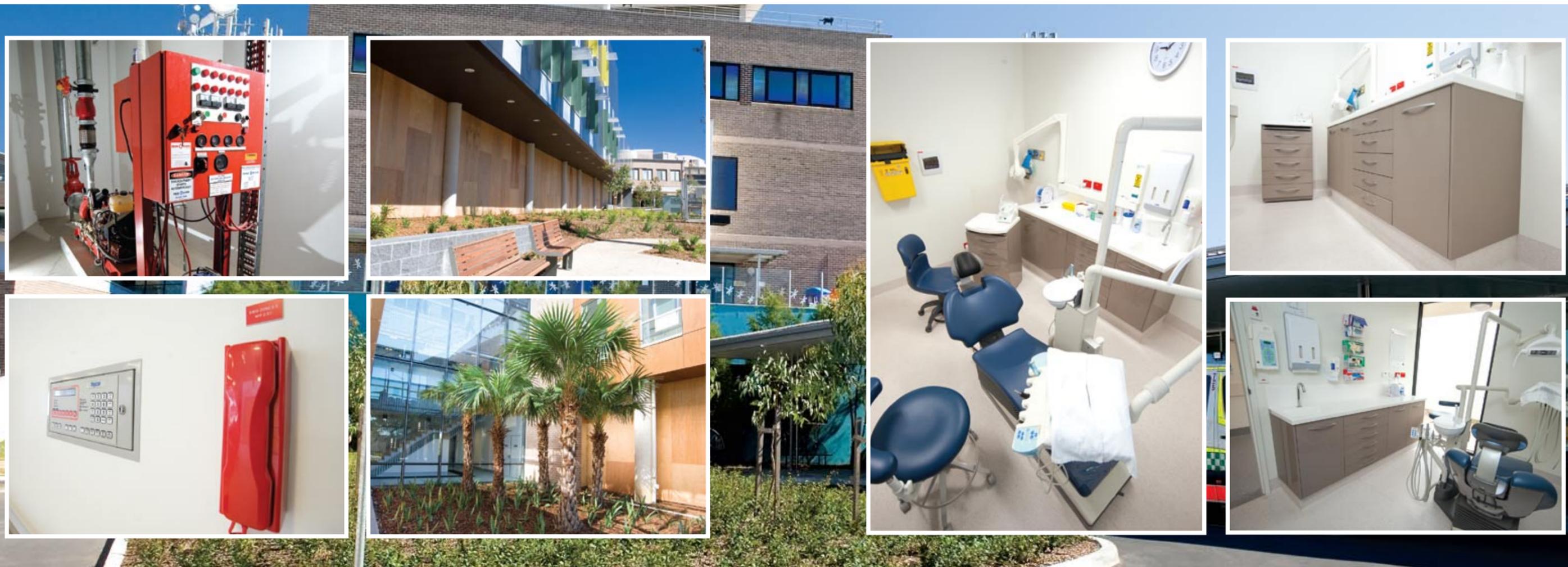
For more information contact Australian Medical Installations, phone 0405 191 565, visit [www.aminstallations.com.au](http://www.aminstallations.com.au).



**Image Premier Fire Protection** were responsible for the fire services equipment at the Nepean Hospital.

**Below Stone Will** delivered a complete external package to the Nepean Hospital Redevelopment.

**Image Perfect Practice Dental** installed the specialty custom joinery units to the Nepean Hospital.



With offices in Sydney, Townsville, Mackay, Airlie Beach and Brisbane, Premier Fire Protection provides services which include the design, installation, testing and maintenance of fire services in new and existing buildings.

The team were contracted to provide their expertise on the Nepean Hospital project in the Blue Mountains, New South Wales. The redevelopment will see substantial additions to the existing hospital and is set to provide much needed services to the local community.

Premier Fire Protection have also worked on many other notable projects including the Hilton Hotel, Sydney Airport, QVB, St Vincents Hospital, Parramatta Council, Department of Defence and Woolworths.

Due to their extensive knowledge and commitment to customer satisfaction, Premier Fire Protection is considered to be one of the most successful fire protection firms in Australia.

*For more information contact Premier Fire* Design, Installation, Maintenance and Testing of all Fire Protection Equipment, Sydney - 02 9980 8777, Townsville - 07 4775 6627, Mackay - 07 4951 0011, Airlie Beach - 07 4948 1279, Brisbane - 07 3252 7685

Stone Will Pty Ltd was appointed for the landscaping on the Nepean Hospital Redevelopment project. With 15 years of experience in landscaping other key projects include: Royal Sydney Golf Course 1st Tee, Sydney University Medical Centre, Soldiers Beach surf club and Bella Vista Waters.

Their reputation was built around hard landscaping works including but not limited to Core fill Block, Retaining walls, Keystone wall, Concrete, Asphalt, Paving, Timber work, Soft landscaping, Maintenance, Irrigation, Civil works including kerb & gutter / drainage. Due to client demand, Stone Will diversified its services to deliver a complete external landscape package, allowing clients and builders to communicate with one contractor for everything outside, soft and hard landscaping along with civil components. Stone Will has recently been awarded some of the most prestigious landscape maintenance contracts with key clients such as Goodman, Sydney Harbour Foreshore Authority and Metcash. Stone Will is committed to providing professional and quality service and they ensure the company satisfies WHS Act and exceeds current guidelines on safety by continually reviewing and improving upon their system of safe work.

*For more information contact Stone Will*, 6/19 Boden Road, Seven Hills NSW 2147, phone 02 9862 8448, website [www.stonewill.com.au](http://www.stonewill.com.au)

Perfect Practice was selected to provide the dental Joinery units for the Nepean Hospital because of their reputation within the healthcare profession for uncompromising quality and attention to detail. Senior Dentists from the hospital visited Perfect Practices well equipped showroom and worked closely with their design team to develop custom joinery units that support best practice clinical work flow and procedures.

Perfect Practice then provided photorealistic 3D models of each of the joinery units to assist with visualisation of how the units would look and work. They then delivered a full working unit to the hospital for testing prior to proceeding with the manufacture of the final design of each joinery unit. This process enabled clinicians at the hospital to know exactly what they were getting and to be certain the finished product would function exactly to their requirements.

The Polyurethane joinery units, complete with full soft close functionality, are complemented with seamless Staron™ solid surface benchtops and Billi™ touchless sensor taps to provide a high level of durability and infection control. Unlike typical kitchen cabinets, dental and medical joinery units supplied by Perfect

Practice are engineered to sustain a high frequency of use (and abuse) and were the logical choice for a demanding application such as the Nepean Hospital Redevelopment.

Perfect Practice is a family business located in Seven Hills NSW and they have been servicing the healthcare industry with their expertise for the past ten years and are committed to providing their clients with consistently high standards of ethical and professional conduct, honest and expert advice, offering value for money and the implementation of innovative solutions using quality products.

Perfect Practice deliver the ideal solution to your specific practice requirements.

*For further information contact Perfect Practice*, PO Box 8099 Baulkham Hills NSW 2153, phone 1300 001 122, email [info@perfectpractice.com.au](mailto:info@perfectpractice.com.au), website [www.perfectpractice.com.au](http://www.perfectpractice.com.au)