

PINDARA PRIVATE HOSPITAL

CONSTRUCTION COMPANY: ADCO CONSTRUCTIONS
CLIENT: Ramsay Health Care
PROJECT MANAGER: Davis Langdon
PROJECT END VALUE: \$35 Million
COMPLETION: November 2010
ARCHITECTS: Mode Design
SERVICES ENGINEER: Multitech Solutions
HYDRAULIC ENGINEER: Mark Traucnieks Consulting Engineers



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ADCO deliver for Ramsay Health Care

ADCO Constructions continues to make its mark on the Gold Coast following the completion of Stage One of the Pindara Private Hospital redevelopment for Ramsay Health Care. The Pindara project is part of a \$60 million multiphase upgrade master plan to cater for the ever increasing demand for health services in the region.

The project commenced in August 2009 and included the construction of two new buildings - a five storey stand alone structure with multi-level car park and an additional 4145msq space incorporated into an existing building. This space consisted of four new operating theatres, two new gastroenterology theatres, a 37 bed ward, a 13 bed paediatric ward and two intensive/critical care units.

During construction ADCO developed detailed staging plans to manage noise, vibration and infection control as

construction was undertaken immediately adjacent to operating theatres and wards. Temporary acoustic walls were constructed and methods of work developed with key subcontractors to mitigate disruption. The works were completed while the hospital continued to carry out its normal functions uninterrupted.

With a strong reputation for delivering quality, on time and budget the \$35 million Stage One Pindara Hospital redevelopment reinforced ADCO's growing presence in the health market and resulted in further work from the Ramsay Group on Brisbane's North West Hospital. Since the opening of ADCO's Gold Coast office in 2009 the company has completed a number of significant local projects including the Gold Coast Airport terminal redevelopment, Robina Town Centre and the Bond University Mirvac

School of Sustainable Development.

ADCO Constructions' General Manager – Northern, Warren Bedford, said ADCO drew on its vast experience in the building industry to deliver another successful project with minimal disruption to the daily running of the hospital.

"Like many of the projects we undertake there are challenges – the fact that operating theatres and surgical procedures were continuing within close proximity to the build meant coordination, careful planning and communication between our project team and hospital staff."

"This has been a very successful key project for ADCO in the health sector – it was finished ahead of time, the quality was good and importantly our client was very happy, indicative of ongoing work from the Ramsay Group," said Mr Bedford.

The Stage One Pindara Hospital redevelopment was officially opened by Ramsay Group Chairman, Paul Ramsay in December 2010.

With more than 39 years in the building industry and a diverse range of projects ADCO provides clients with a complete package from quality, innovative design through to, on time and budget construction. ADCO is one of Australia's top 100 private companies with revenues in excess of \$500 million per annum and 350 employees.

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For over 20 years, AHC Solutions have supplied high end life support medical equipment, manufactured gas control equipment and a total package of Medical Engineering products for the supply and transmission of medical gases to both public and private hospital facilities and now include Pindara Private Hospital in their impressive client base.

The company name is a true description of the company. AHC have proven that they have the knowledge to supply the required SOLUTION to meet the hospital's objectives. This is highlighted by the fact that AHC also supply the life support equipment that uses their medical gas systems.

AHC Solutions are qualified and experienced in all aspects of medical engineering and medical gas installation, pipe installation, consultation and gas controls. Prior to commencing a project, they discuss the hospital's specific requirements in relation to plant and equipment and recommend equipment to suit the maintenance and reliability goals.

Pindara Hospital in particular had a vacuum and air system with built in expandability which was utilised when an additional two theatres were required towards the end of the project.

AHC Solutions revamped all medical gas alarms to allow for a Building Management System and all master alarms were redirected to the one area at Accident and Emergency. Oxygen bulk vessels were also relocated and re-piped to upgrade the system to the hospital. Many of the older gas supply systems were replaced with new equipment and programmed for minimum down time.

AHC also programmed the medical gas shut downs and included isolation valves to ensure costs and down time of these shut downs was minimised.

AHC Solutions represents a full range of market leaders including Hamilton Medical, SLE, Buhl and Biomed Devices. This full range enables AHC Solutions to cover all patient ventilation needs, from neonatal intensive care to adult intensive care and transport ventilation.



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We're happy to help the people who help the most

Davis Langdon, an AECOM company, are proud to congratulate Ramsay Health Care on the redevelopment of the Pindara Private Hospital. This new development will provide first class care to residents of the Gold Coast and ensure that they have access to some of the best healthcare facilities in Australia.

We are delighted to have played a small part by offering our Project Management services and we look forward to future projects.

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RADIATION PROTECTION FOR PATIENTS & STAFF

With the corporate mission statement 'today together we can build a better and safer tomorrow', Gammasonics, has successfully completed work on the redevelopment of Pindara Private Hospital on the Gold Coast.

Since 1977, Gammasonics Institute of Medical Research has been a pioneer in the design and manufacture of radiation detection equipment for Diagnostic Radiology, Radiotherapy, Nuclear Medicine, Industrial Radiation & National and Home Land Security. Gammasonics is recognized worldwide for their innovative research. A key to success is that Gammasonics' product design, development and manufacturing occurs wholly in Australia for world wide distribution.

On the Pindara project, Gammasonics worked with the architects in designing the radiation shielding requirements for the operating theatres and providing specifications for X-ray shielding materials which meet Queensland Health Standards to protect theatre staff, public and patients in adjoining areas. Gammasonics recommended a range of building materials to achieve the calculated shielding requirements. In some cases, the company tested samples of the architect's preferred materials to ensure integrity of the final structure. Testing was performed prior to commencing the fit out to avoid costly reworking, which may have been required.

On completion of the structure and during construction, Gammasonics provided site and accreditation consultation to ensure the works were completed to the required standard and finally certification to Queensland Health radiation standard PR004:2004.

Gammasonics personnel are highly skilled in radiation shielding design for diagnostic medical X-ray facilities, dental X-ray facilities, CT scanners, nuclear medicine hot labs and scan rooms, operating theatres where X-ray equipment is used, industrial radiography and non-destructive testing facilities.

They have also pioneered the development of new technology in the area of decay and dilution tank systems for radioactive waste both medical and industrial. With increasing awareness of radioactivity in the environment, Gammasonics' consultants can provide environmental surveys where a development site may have suspect radioactive contamination from previous medical or industrial use. The company also provides services to assess existing structures for their radiation shielding capability where buildings are being renovated or room usage is being re-allocated to include radiation giving apparatus.

Gammasonics provides lead glass for radiation proof viewing windows for control rooms etc and their new product range includes prefabricated viewing windows already framed in standard sizes for easy installation.

The company also has a range of new technologies for equipping laboratories for the safe handling of radioactive materials and radiopharmaceuticals products including storage hot lab, contaminated waste disposal units, user safe injection facilities, radioactive isotope stores. Experienced consultants provide advice on any radiation issues and design requirements including assessment and accreditation of worksites and radiation sources and work safe training.

Pindara Hospital Rendered In Excellence!



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Usher & Son love a challenge and builders know it! So when the Pindara Private Hospital Redevelopment required the professional application of ground breaking coatings systems, Usher & Son were the natural choice for the job.

Usher & Son are leaders in the Painting & Solid Plastering industry with a team that boast the experience to handle Australia's first application of new products on landmark projects.

The Pindara project presented Usher & Son with the challenge of applying the new CSR Cemintel polymer render system to the external cladding of the building. The system requires special associated application methods and techniques and Usher and Son are the first to use this CSR Cemintel Render System in Australia on a project of this size.

They also applied a 'Rockcote' render and paint system to the render block walls and are currently applying a similar Rockcote Render paint systems on "The Breeze" Project at Mt Coolum in Queensland.



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