ESSENCE OF LIFE

DEVELOPER : Sonic Healthcare MAIN CONSTRUCTION COMPANY: Hutchinson Builders ARCHITECTS : nettletontribe

The new headquarters and laboratories for Sullivan Nicolaides Pathology in Bowen Hills combines SNP's three major operations in Brisbane into one location, housing approximately 600 staff responsible for processing patient samples from Queensland, the Northern Territory and Northern NSW. The development comprises warehouse and administrative basement, three floors of laboratory space, and a third floor administrative level.

With a focus on design ensuring patients Bringing together SNP's four existing in the fastest possible time, ensuring the for the company.

receive the highest quality healthcare, sites under one roof, the Bowen Hills best patient outcomes," SNP's Toby Barker Sullivan Nicolaides Pathology's (SNP) facility provides improved logistics and explains. "The previous address was a state-of-the-art building signals a new era internal efficiencies as well as an enhanced repurposed government rehabilitation centre environment for staff.

ST FEATURE SULLIVAN NICOLAIDES PATHOLOGY CENTRAL LABORATORY

built in the seventies, so the new building favourable comments."

storage system. A large central staircase and

Toby adds. "It is interesting how many ideas

Low-energy LED lighting and motion sensors to cool the facility. Tinted double-glazed performance glazing also reduces this load tunes energy use.

will be collected in tanks for monitoring to

encourage SNP staff to leave the car at home. This includes an end of trip facility holding

Hills Station just a five minute walk away and

13,500m³ of concrete, 69,900m² of formwork 450 tonne of PT cable.

of services on a Design and Construct basis. This included adjustment of floor heights use of the rock onsite and control costs.

The building's automated track system (one

cycling or walking to work. Public transport columns during the construction not only provided a clean finish, but helped program

Toby explains that one of the biggest challenges The building's landscaping will be irrigated from Among the work was a complete re-design relocation project was managed inhouse

architects nettletontribe. "Both companies The new facility's location is also designed to savings, as were retention systems to make were interested in a collaborative approach to achieving a state-of-the-art medical testing with the myriad of services required in this

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Below Rowles Time Management provided construction program services, for tenders, contracts and target management

Below nettletontribe used their experience from previous Sonic Health projects to design the custom facility.



Queensland-based Rowles Time Management (RTM) provide specialist project planning, construction programming and monitoring services to ensure the successful delivery of projects. Experienced across all sectors of the building industry, RTM recently supplied its experience and expertise to the construction of the Sullivan Nicolaides Pathology Central Laboratory.

"We were working for Hutchinson Builders and provided construction programming services for the duration of the project. This included the preparation of the tender program, some work in the tender negotiation process and the establishment of the contract construction program," explains Richard Rowles, Managing Director, RTM. "We also developed the target construction program and provided input to the procurement of the trade packages."

RTM also monitored the project's progress throughout construction. "These independent status updates and reports monitor progress on and offsite, reflect if there's a change in methodology and are usually included with the contractor's monthly report to the client group." Constructing the special purpose Sullivan Nicolaides Pathology Central Laboratory required RTM to draw upon the expert knowledge developed through years of experience, particularly with Health Care Facilities.

"The project's complexity was similar to a hospital in that it had specific areas and specialist finishes - it wasn't generic," explains Richard. "It is also a complex building from a structural viewpoint. It has a large footprint and not many levels. A lot of the slabs overlap each other at different places on different levels. This creates challenging sequencing issues, difficulties for material handling and edge protection issues."

Delivering specialist input regarding contractual issues, RTM also specialise in managing delay events and extension of time claims. Its program planning services encompass all time related phases of a project from concept design through to construction, commissioning and FF&E.

Established in 1985, RTM consistantly delivers clients and contractors the best outcomes on their projects. "Time is Money; every day onsite is worth a lot of money," Richard says. "Everyone needs to be in tune with each other; marching to the same drumbeat. Offsite and onsite activities are not mutually exclusive, they are all elements of the same process."

For more information contact Rowles Time Management, 1/85 Victoria Street, West End QLD 4101, phone 07 3846 2922, fax 07 3844 4596, email richard.rowles@rowlestm.com.au, website www.rowlestm.com.au

nettletontribe Architects resumed its working relationship with Sonic Healthcare Group to collaborate in the design and delivery of the Sullivan Nicolaides Pathology (SNP) Central Laboratory.

SNP utilised nettletontribe's expertise right from the commencement of the project. Having previously designed the Sonic Healthcare facility in Sydney plus other key projects in the health and research sector, nettletontribe contributed to the evaluation and design of schemes for different site options.

"This assisted the client in the decision making process and helped find the optimal solution for their brief requirements," explains Justin Morgan, Director of nettletontribe.

A highly collaborative architectural design process underpinned the success of the new SNP Laboratory. To facilitate collaboration, workshops and user group meetings were established with the facility manager, department managers, pathologists and a broad range of consultants. Here, as Justin describes, everyone "shared their knowledge." 3D BIM modelling was used throughout the delivery process, resulting in improved collaboration, reduced re-work during construction and faster delivery.

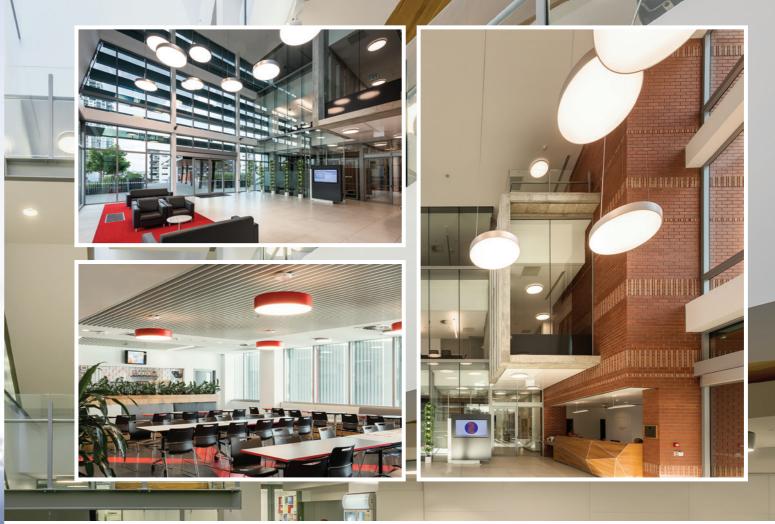
The result is a user-friendly laboratory that defies the traditional 'tight' lab space. Instead, an emphasis on shared areas – flexible laboratories, lounge and meeting spaces - is integral to the facility's collective design. A naturally lit atrium break-out area in the centre of the tower floor plate balances the intense and technical layout and provides some 'loose' space to facilitate meetings, relaxation and interaction.

Critical to the design of the floor plate was flexibility. With internal layout changes likely to arise from organisational shifts and as yet unknown technologies, nettletontribe future-proofed the SNP Laboratory design. This was achieved by the strategic placement of vertical and horizontal circulation elements as well as large column free spaces and posttensioned slabs in the structure itself.

For over 40 years nettleton tribe has specialised in the design and planning of buildings and estates across Australia. nettletontribe's design experts deliver architectural, interior design, masterplanning and urban design services, consistently producing quality outcomes for clients.

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National Building Surveying, Certification, Accessibility and Risk Management consultancy McKenzie Group Consulting, has ensured the new Sullivan Nicolaides Pathology (SNP) Central Laboratory complies with the complexity of legislation governing safety and accessibility.

"McKenzie Group provided integrated consultancy services for the Sullivan Nicolaides Pathology Central Laboratory including Building Certification, Accessibility and Dangerous Goods Consultancy," explains Michael Leighton, Director of McKenzie Group.

A key challenge of the project was developing and implementing a compliance strategy specific to the requirements of the specialist facility. McKenzie Group successfully produced a strategy that complied with a variety of local, state and federal legislation including the Building Code of Australia, the Disability Discrimination Act and Access to Premises Standards for persons with disabilities, the Workplace Health and Safety Act and Dangerous Goods Standards.

"McKenzie Group's ability to provide an integrated compliance management and certification service has ensured effective, functional and flexible design solutions that address the collective responsibilities of all involved in the process," Michael says. "Where the above legislation has competing objectives or conflicting requirements, we have developed innovative solutions through a combination of prescriptive and performance based solutions, whilst ensuring the legislative and community expectations are satisfied."

Established in 1988, McKenzie Group has over 60 employees based in Sydney, Melbourne, Brisbane and Gold Coast offices. A pro-active, pragmatic and client-focused culture has earned the Group's reputation as one of the best in Australia. "These attributes combined with cutting edge technical expertise allow us to consistently deliver quality outcomes for our clients whilst satisfying and exceeding community expectations of Safety, Health and Amenity," explains Michael.

Servicing a diverse client base, McKenzie Group provides specialist consultancy for a significant number of Australia's largest privately-held and publically-listed development entities and Government organisations.

For more information contact McKenzie Group Consulting, Ground Floor, 232 Adelaide Street, Brisbane QLD 4000, phone 07 3834 9800, email brisbane@mckenzie-group.com.au, website www.mckenzie-group.com.au