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Budget-wise, New Zealand health projects generally fit within the \$20 - \$50 million bracket, so it is little wonder that the Auckland District Health Board's spend of \$447 million on new in-patient hospital services for Auckland has raised a few eyebrows and kept an army of contractors busy at work for years. At completion, over 40,000 pieces of equipment had been relocated to new homes within the hospital network.

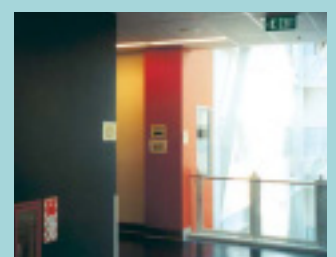
The largest part of the project, both in terms of size and price tag, is the new Auckland City Hospital, an 80,000 square metre complex, comprising nine levels, 3500 rooms and 710 beds. An acute services hospital offering treatment for serious illnesses and complex procedures such as heart and organ transplants, the new building is linked by tunnel to the Starship Children's Hospital and by a ninth floor high bridge to the existing Auckland Hospital. The net effect of this construction and the connections is a tower block with the largest floorspace in Australasia, equal in size to Eden Park. Not to be outdone, Greenlane Hospital extensions and refurbishments will see it become the 6200 square metre Greenlane Clinical Centre.

Technology underpins the design with over a tenth of the budgeted spend allocated to an electronic system and bandwidth that will allow files to be shared between the Grafton and Greenlane sites. Combined with digital archiving of client files including x-rays and electronic nurse call systems, the state of the art electronics will easily pay for themselves with associated efficiency gains and the ease with which resources can be quickly allocated to where they are most needed.

Joining technology, flexibility is also a key element underpinning the project, with the hospital designed with change in mind. Open floorplates, lightweight partitioning and unutilised areas are built in, allowing the hospital to change and develop in line with the changing health needs of the local population.

An upgrade of the old buildings alone would have attracted a price tag of \$180 million and would have foregone many of the new health services that have been built into the new project. With the Auckland population on an exponentially increasing spiral, the Auckland District Health Board knew that a major revamp, rather than a watered down upgrade, was required to offer a health service that truly met the needs of the population. The holistic approach taken to Auckland hospital services has seen duplication in services decline, reducing required staff numbers, duplicated equipment and minimising transfers between sites. The key focus has been on improved, more efficient services with faster operations and recovery times, rather than more beds. The benefit to patients is quicker surgery and quicker recovery with less time until they are back onto their feet and into their normal life. With a choice between more beds or more recuperated patients, patients easily won the balancing act.

Patient wise, in addition to the improved operations, services, file access and expected recovery periods, comfort benefits are immediately obvious in every patient room. All patient beds are lit by natural lighting and with lowered window sills, patients can enjoy views over the city no matter whether they





are propped up by pillows or flat on their back recuperating - no longer is the enjoyment of the extensive views simply limited to able bodied visitors.

Thousands and thousands of litres of **Resene Zylone SpaceCote** low sheen waterborne enamel, predominantly in hues of **Resene Cararra** (off white cream) and **Resene Half Cararra**, adorn the interior paperfaced plasterboard for a tough, durable, low sheen finish. Paperfaced plasterboard in sterile areas such as operating rooms and suites is finished with **Resene Aquapoxy** and two topcoats of **Resene Uracryl 402**, a unique high performance two component finish coat with excellent resistance to abrasion, moisture and oils. The most unusual feature of Resene Uracryl 402 is that, unlike most other classes of high performance coatings, the sophisticated combination of aliphatic urethanes and urethane reactive acrylic resins gives a system unsurpassed for durability and colour retention, making it look as good as it protects.

Resene Uracryl 403 followed by **Resene Uracryl 402** also provides a tough durable finish on new interior concrete floors. Interior concrete is finished in a mix of **Resene Sandtex**, a lightly textured finish (interior blockwork) and **Resene Quick Dry Acrylic Primer Undercoat** (walls) each followed by two topcoats of **Resene Lumbersider** satin acrylic. To complete the interior paint systems, **Resene Galvo-Prime** and **Resene Enamacryl** protect all interior galvanised steel door jambs.

With the interior well protected for years and patients to come, the exterior features an equally extensive range of paint systems to protect the multitude of substrates. Exterior cement plaster and fibrous cement board walls are finished with a combination system of **Resene X-200** waterproofing membrane and **Resene Lumbersider** satin acrylic, with **Resene Sandtex** appearing as the first coat in this combination on blockwork and precast concrete. A revised order of system elements is used on fibrous cement compressed sheet with Resene X-200, followed by Resene Sandtex and a finishing coat of Resene Lumbersider.

Resene Uracryl 403 also features in the exterior specification acting as the finishing system on precast concrete and fibrous cement compressed sheet areas on the east and west façades up to level 4 (in a clear finish) and on the east and west façades levels 4 to 9 and east to west façades above the eyebrow level 9 (in a high gloss pigmented finish).

The higher sheen **Resene Sonyx 101** semi-gloss adorns exterior fibrous cement soffits giving improved light reflectivity, easy clean maintenance and completing the exterior façade.

Joining the dominant **Resene Cararra** hue, **Resene Parchment** features on trim and is joined both inside and out by an extensive palette of Resene colours that reads like a page out of the Resene Total Colour System and includes **Resene Akaroa** (pebble grey), **Resene Cab Sav** (deep burgundy), **Resene Kenyan Copper** (rich brown-red), **Resene Parchment** (beige neutral), **Resene Pharlapp** (greyed red lilac), **Resene Pavlova** (greened cream), **Resene Sisal** (beige neutral), **Resene Tahuna Sands** (cream), **Resene Tea** (dirty neutral), **Resene Matterhorn** (red grey), **Resene Mulled Wine** (purple grey), **Resene Schooner** (brown oxide neutral), **Resene Falcon** (red/purple undertones), **Resene Paarl** (brown orange), **Resene Pohutukawa** (spicy rich red), **Resene Supernova** (bold yellow), **Resene Thunderbird** (reddened orange), **Resene Caper** (herbal green), **Resene Chatelle** (grey lilac) and **Resene Link Water** (purple blue).

A hospital is a little like insurance - we hope we'll never need to use it, but if we do we want it to provide peace of mind. With the hospital services now available in Auckland, all can rest assured that should the need arise, ourselves or loved ones will be cared for by the best using the best facilities and resources in the location that best fits with our individual needs. Healthcare unmatched in its completeness.



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Architect: Jasmac
Main Building Contractor: Fletcher Construction
Painting Contractor (exterior): Contract Coatings
Painting Contractor (interior): Contract Coatings,
D Allen Decorators, Hutchinson Painters,
Pacific Link, NZ Commercial Property
Maintenance, Target Painters,
Worthington Bros, Sharp Interiors.
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