



# Beca news

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## Getting ship shape

A project that began as the extension of a container terminal in downtown Auckland has become a part of an important initiative to keep Auckland on key international shipping lanes.

Continued inside...

The long-awaited upgrade of Auckland's Central Motorway Junction (CMJ) is well underway and the first foundation poured.

## underway with cmj

Beca and Parsons Brinckerhoff have been working on the project for the Complete Joint Venture (Fletcher Construction and Leighton Contractors), since October 2003 after winning the design-build contract by a convincing margin. Working out of the site project office, a team of 20 Beca engineers are completing design of the complex road geometrics, new structures and modifications that will make up the improvements. These include five new bridges, retaining walls and modifications to three existing bridges.

The upgrade, which will link in both directions the north western and northern motorways, and the northern motorway and the Port, will also include improvements to on and off ramps and road widening. Aucklanders have eagerly awaited the upgrade, which will complete the central motorway network and improve traffic flow for the 200,000 vehicles that pass through 'Spaghetti Junction' each day. The need to maintain traffic flow through the junction has dominated design and will remain the chief priority throughout construction. Beca's

traffic experts are assisting with temporary traffic management to ensure disruption is minimal.

The integrated team and design-build approach has allowed an early start on construction and closer collaboration on design and construction methodology between engineers and constructors, than is the case under a traditional approach. Construction work began early this year with earthworks, drainage, demolition and the construction of retaining walls and bridge substructures.

"It's a technically complex undertaking but the challenges involved make it an exciting and demanding project for the team", says design team leader, Alan Powell. The motorways converge through the Karangahape Road area where there are three levels of road in a very constrained area. While this has presented some tricky challenges, we've developed a competitive and innovative design to meet the project's requirements".



valuations

## desert island valuations

An invitation to carry out an important valuation project on the Iranian 'desert' island of Qeshm was an exciting opportunity for Beca Valuations to extend its international reach to the Middle East.

Qeshm, a 1,300 km<sup>2</sup> island off the coast of Iran in the Strait of Hormuz, is a fascinating blend of ancient culture and modern progress, earmarked by the Iranian government for development into the most significant free trade zone in the Persian Gulf. Plans for the Island include the provision of low-cost gas and electricity to attract international investment, a proposed bridge to the mainland and development of the existing airport (which boasts the longest runway in the Middle East) into a major airfreight hub.

On their travels: Property Valuations Manager, Peter Schellekens (front left) and Director - Beca Valuations, Alistair Thomson (front right).



As part of this development process, the project leader Airways International Ltd, commissioned Beca to carry out valuations on the island's airport, power network and telecommunications assets. A team of three senior Beca valuers - Marvin Clough, Alistair Thomson and Peter Schellekens - spent a week touring the island, inspecting assets ranging from runways, navigational aids, substations and electricity generation plants, to transmission lines, digital radio links, cell phone sites, fibre optic cabling and switching equipment. At the same time, Stuart Nicholson of Beca Power Systems, conducted an electrical supply master planning exercise.

Beca's property valuations manager Peter Schellekens presented the reporting and insurance valuations, and Stuart Nicholson presented the Electrical Systems Master Plan over Christmas.

"Qeshm's hot, humid environment accelerates the deterioration of building elements so that their lifespan is much shorter than it would be in more temperate climates", says Peter. "As such, the client was just as interested in the process we went through, as in the values that we arrived at. The project has helped them to think more strategically about asset management and the importance of long-term planning for the protection and maintenance of valuable assets."

electrical &amp; controls

## under control

Instant access to operational and production information is a reality for many companies today, but many more are still catching up with technology.

As specialists in telemetry and SCADA (Supervisory Control and Data Acquisition) technology, Beca's Instrumentation and Controls team specialise in bringing real-time plant information to the desks of management, to help clients control and monitor their business processes. With instrumentation and software engineers working nationwide, as well as internationally, Beca is successfully helping clients throughout Asia Pacific improve production co-ordination and efficiency, and enhance the quality and timely availability of management information through effective reporting.

Beca recently completed the implementation of the largest Emerson Delta V DCS system in New Zealand, at the Manukau Wastewater Treatment Plant in Auckland. The implementation has fully automated the plant and significantly improved access to management information. Maintenance time was reduced and plant reliability enhanced by integrating maintenance and asset information with the control system, and giving operators

and maintenance engineers immediate online access to critical information.

Installation of a Delta V system for Project Waikato included fibre optic and microwave telemetry to control and monitor data obtained at various points along the 34 km Waikato pipeline. This technology has increased the amount and speed of data transferred over the system, resulting in reliable real-time operation and monitoring, from Onehunga to the treatment plant at Tuakau (approximately 50 km away).

Beca's head of electrical and controls engineering, Chris Duncan adds, "As well as Project Manukau and Project Waikato, we've been working on many other systems including the Hutt Valley Seaview Wastewater Treatment Plant, Kawerau Pulp and Paper, and Huntly Power Station in New Zealand. We've also been developing SCADA programming for control of a 30 megawatt generator for AMEC, as well as projects for SPI in Melbourne, Suzhou Brewery in China and a PT Newmont nickel mine in Indonesia."

## new experts for singapore c&s

Beca Singapore's Civil and Structural group has received a significant boost with the addition of two new senior civil and structural (C&S) market personalities.

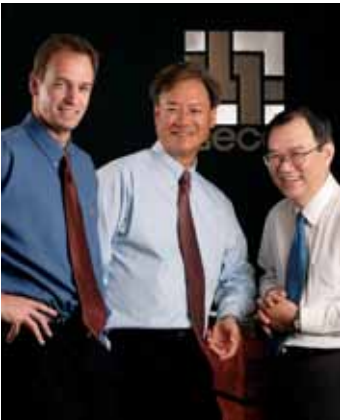
Thomas Sit and Lee Tuck Cheong joined Beca's Singapore office earlier in the year. Prior to the worldwide merger of Maunsell and Oscar Faber Consultants, Thomas and Tuck Cheong led Oscar Faber in the region, based in Singapore. The wealth of experience the pair has brought to Beca, and their reputation in the Singapore market and throughout Asia, has given the C&S group a significant advantage.

Thomas joined Beca Singapore as an Executive Director in March. He oversees the C&S group - a team of approximately 16 managers and engineers - and plays a key role in management and marketing for the group. Since joining Beca, Thomas and his team have secured the C&S consultancy for the SGD\$120 million Ang Mo Kio-NTUC development, and the provision of services to Nishimatsu-Lum Chang to assess the structural integrity of buildings in the vicinity of the Nicoll Highway collapse. Thomas will

also play an active role in marketing Beca's C&S capability in China.

Tuck Cheong joined Beca Singapore as a Director in December 2003. He heads up the C&S team, together with Low Kam Fook, and focuses on ongoing C&S work in the Singapore market. Projects he is currently leading include the St Andrew's Cathedral expansion and a major hotel development at Tiong Bahru.

"With Thomas and Tuck Cheong on board, our C&S capability has been significantly enhanced", said Managing Director, Keith Paterson. "We're well known in the Singapore market for our M&E expertise, which is where our focus has traditionally lain, but expanding our C&S capability is a key part of our diversification plan and provides for regional growth. The additional leadership Thomas and Tuck Cheong are providing to the C&S group is already proving a valuable asset".



New C&S expert Thomas Sit (middle), together with Beca Singapore Managing Director, Keith Paterson and CEO, Lee Chuan Song.

beca.amec

## what's in a name?

### Beca Simons becomes Beca AMEC.

With a twenty-year heritage of industrial project engineering excellence, joint venture consultancy Beca Simons has a winning formula that's brought the company great success in the pulp and paper industry. Key to this success is Beca Simons' close relationship with parent companies the Beca Group Limited and AMEC plc, whose wider resources have helped Beca Simons grow and diversify over the years.

On the first of April 2004 Beca Simons changed its name to Beca AMEC to better reflect this pedigree and the close working

Beca AMEC Managing Director, Pat Fall



relationships that contribute to the company's success.

"While the Beca group and our historical links with the company are quite well known throughout the industry, perhaps less well known is our link with AMEC", says Beca AMEC managing director, Pat Fall.

Beca Simons was originally formed as a jointly owned company between Beca and HA Simons, one of North America's leading industrial engineering companies. Simons was later purchased by AMEC - a global engineering leader, specialising in the heavy industrial, pharmaceutical, oil and gas, transportation and infrastructure sectors.

"We're proud of our rich engineering heritage which has helped us diversify from our core business in pulp and paper, into mining and metals, and wood products engineering. In recent years we've extended our specific expertise in site-based engineering services, into plant sites in Australia and New Caledonia. Going forward under our new name Beca AMEC, with the continued benefit of the wider resources of our parent companies and our own unique identity, will continue to prove a success for both the company and our clients alike", comments Pat.

For more information on Beca AMEC and it's parent companies, see [www.becaamec.com](http://www.becaamec.com)

technology

## beca's software goes stateside

### Derceto proves a hit with water utility companies in the US.

Beca's New Zealand-designed energy efficiency software Derceto has made impressive inroads into the tough American market over the last 12 months, proving a hit with water utility companies in the US.

The software - designed to reduce a water utility's electricity charges by identifying the most energy-efficient way to move water around a large metropolitan area - has already won contracts with four major US water companies and interest from other utilities is extremely high, with a number of pilot studies already underway.

Derceto's success lies in its competitive advantage as the only optimisation software to operate both interactively and in real time. As such, it has attracted interest from some of the most pioneering water suppliers in the US. The first companies to commission the Derceto system - East Bay Municipal Utility District, Monroe County Water Authority and

Washington Suburban Sanitary Commission - are well known innovators and are closely watched by others in the industry.

What's more, a number of key US-based energy efficiency organisations have also shown support for the Derceto system. Monroe County Water Authority received substantial funding for its Derceto installation from the New York State Energy Research Agency and recognition from similar organisations has considerably boosted Derceto's industry profile.

At the end of 2003, Beca set up Derceto Inc, a permanent US distribution establishment for the software in San Francisco, and appointed a full-time US employee to manage business development. The move marked Beca's first independent foray into the US and its success comes at a time when New Zealand's high-tech capabilities are increasingly in the limelight on the international stage.

## food &amp; beverage

## turning up the volume

As part of Carlton & United Breweries (CUB) rationalisation of its brewing sites, the Kent Brewery on Sydney's Broadway is being phased out. CUB's Abbotsford Brewery in Melbourne and the Yatala Brewery near Brisbane will take up production from the decommissioned site.

As part of this process, CUB engaged Beca as part of the team to undertake design, documentation and observation for an ambitious expansion at Yatala, which will see the brewery's output doubled from 230 to around 450 million litres a year. The

AUS\$170 million expansion will give Yatala a new twin-stream brewhouse, process building, cellar with external 400 KL fermenters, warehouse, packaging building, and upgraded and expanded effluent treatment plant.

Construction of the modern brewhouse building and associated works began on the greenfield site in October 2003 and is on schedule for completion by October this year. The new process building will be constructed in stages around existing operating plant and equipment, to replace and extend the original building - creating a sizeable 140 x 40 metre structure.

Designing the infrastructure to relocate twenty 400 KL fermenter vessels from Kent Brewery to Yatala proved an interesting challenge for the Beca team. It was decided that the best way to move the 34 tonne, 18 metre high vessels was to float them. "CUB lifted them over the 24 metre high Kent cellar wall, got them onto a low loader and transported them to Sydney wharf where they were placed on barges and towed to Logan River, south of Brisbane", said Beca's senior consultant, John Orr. From there they were off-loaded and transported 10 km to Yatala, suspended between a prime mover and a steerable bogey at the rear.



## water &amp; sewerage

## working on water

Beca International Consultants Ltd and Erasito Consultants Ltd (Fiji) are well and truly 'working on water' after winning some significant new water and sewerage projects in Fiji.

Beca and Erasito Consultants began working together on water and sewerage projects in 1997 when they pooled resources to undertake water and sewerage master plan studies for the Tavua Vatukoula area. They have since been awarded nine additional projects by Fiji's Public Works Department, as part of a strategic initiative to increase capacity, upgrade existing infrastructure and complete new water and sewerage developments. Four projects are well underway:

- The FJDS9 million Natadola project, which includes the laying of 29km of new water supply pipeline to provide water for new tourism and resort developments.
- The new six kilometre Vuda Kashmir pipeline and 20ML water supply reservoir, which is due for completion by the end 2004.
- The FJDS11 million upgrade of the Vaturu Nagado raw water pipeline.
- Detailed design of the upgrade of Lautoka's main sewerage pump station (Navutu)

and rising main. Construction will begin this year.

In addition, Erasito Consultants and Beca were awarded five new projects early this year. These include two master plan studies for the Navua Deuba area, addressing water supply and sewerage; the Sigatoka sewerage master plan study; and package four and five of the Suva Nausori water and sewerage upgrade, which includes both treatment plant upgrades and sewerage reticulation augmentation.

In February 2004 Beca and Erasito Consultants cemented their successful working relationship through the formation of joint venture company Erasito Beca Consultants Ltd, based in Fiji. In addition to these multi-disciplinary water projects, the two companies are also working together on Fiji's Kings Wharf upgrade, the Nadi airport runway upgrade, the Fiji Institute of Technology Master Plan Study and an environmental impact study for the Housing Authority.

Fiji's Vaturu Dam



## client profile

## swire cold storage pty ltd



Swire Cold Storage CEO,  
Ray Tanner

Swire Cold Storage (SCS) is the company recently formed from three Australian Cold Storage operations owned by the UK-based private global company, John Swire and Sons Pty Ltd. SCS has successfully completed an extraordinary growth phase with the acquisition and assimilation of the prime assets of Clelands Cold Storage, resulting in SCS being the largest cold storage warehousing and distribution company in Australia. The company continues to grow, and adapt to the changing cold chain logistics demands of Australia's major retail companies and perishable goods manufacturers under the leadership of CEO, Ray Tanner.

**Q. What factors have you found most important in growing and forging a single successful company from previously separate organisations?**

A. All three subsidiaries had their own unique culture, but the common factor was a 'can do' attitude to servicing client's needs. When we formed SCS, we were able to take the best aspects out of each company, to provide clients with a superior service from a single source. The marketplace has undergone significant change recently, but by bringing together senior staff with up to 20-years experience, we've been able to respond well to that change.

**Q. What have been the benefits of client/engineer partnership and cooperation in the many successful projects you have delivered?**

A. SCS has a special relationship with Beca. Through Peter Shand they've serviced all three subsidiaries over a 20-year period and

are now servicing SCS. As Beca has been involved in almost every project we've undertaken, they have an intimate knowledge of our business, our cost pressures and our client's needs. This special relationship was highlighted recently when Beca's Rhys Davies joined a European research trip we undertook, to look into supply chain trends, Just in Time processes, fast flow refrigerated warehousing and refrigerated transport. Rhys's contribution to the study was very valuable.

**Q. What opportunities will present themselves as a result of the Australian major retailers reorganisation of supply chains?**

A. Both major retailers (Woolworths and Coles Myer) have recently announced significant supply chain changes. Over the next few years they will be reorganising their distribution centres and moving towards a composite distribution centre network. SCS will need to adapt to these changes, which will also give us the opportunity to supply significantly more services in some areas.

**Q. What are the major challenges ahead of you in your business?**

A. There will be more changes to our business in the next 12 months than there have been in the last 12 years. Our challenge will be to deliver to major customers in this era of significant change. Both major retailers will be moving to roll cages from pallets, in order to reduce labour and increase the availability of stock, which will be a major change. The introduction of radio frequency tags on cartons and pallets will be another significant change.

## community

## books in homes



Kawerau Intermediate student and Beca's David Pugh

Beca supports a number of charities, including the Alan Duff Books In Homes Charitable Trust. Books In Homes aims to get kids reading, by pairing up sponsors like Beca with schools in areas where children are most likely to come from 'bookless' households.

"Beca has supported Books In Homes for over five years now", says Beca's Tauranga Regional Manager, John Revington, who coordinates the sponsorship. "We sponsor Kawerau Intermediate School - the idea is that the school and the sponsor form a partnership to fund the purchase of books, which the kids get to take home and keep.

Each child at Kawerau Intermediate receives a minimum of five books a year. It's a fantastic programme."

Twice a year, special Role Model Assemblies are held at the school, which are attended by prominent sportspeople, television personalities and musicians to spread the message that 'it's cool to read'.

Instrumentation and Controls engineer, David Pugh presented books on Beca's behalf at Kawerau Intermediate's recent Role Model day, where New Zealand's Bay of Plenty Steamers half back, Kevin Senio was the star attraction.

buildings

## unconventional

Auckland's newest conference venue, the Sky City Convention Centre, is anything but conventional.

The world-class NZ\$150 million venue, adjoining the existing Sky City Casino and Sky Tower, opened for business in April 2004 boasting energy efficient building services and the largest open plan banqueting space in the Auckland CBD. The complex, which includes cocktail space for 2,000 and banqueting for 1,000, comprises a six-storey conference venue, exhibition centre and 320-room hotel (due for completion in 2005) spanning a further 14 floors.

"Maximising space within the new building was of primary concern to Sky City", comments structural director, Richard Bult. "With this in mind, we used an innovative hybrid pre-cast concrete floor and steel beam system, for speed of construction and efficient use of space." The convention centre itself required a clear-span column free space of 60x36 metres to cater for sit-down banquets of 1,000 people. A novel design incorporating long-span trusses to

support the roof deck over the main conference level was used to achieve the space that was needed.

Energy efficiency was achieved with lighting design using the latest light sources to provide long operating life and control flexibility. The air conditioning system also incorporates an energy efficient design, with a high-efficiency air conditioning chiller plant and extensive use of outdoor air (free cooling) at night and in the winter. The building's fire safety design incorporates advanced fire protection and alarm systems, coupled with an innovative fire engineering design using computer analysis to achieve an effective egress solution.

Beca's job manager, Jerome Chuang says, "The opening of the convention centre was another symbol of success for Sky City, and will place Auckland on the map of choice convention venues in Australasia."



planning

## clamping down on coastal structures



The Bay of Plenty's regional council - Environment BOP - is clamping down on unconsented coastal structures, following up on a rule in their coastal plan that required owners of unapproved structures to have lodged resource consents by January 2004. A team led by senior Beca planner, Lucy Brake, was commissioned by the Western Bay of Plenty District Council to investigate its coastal structures and lodge consents on their behalf.

The team began by using existing asset management data that Beca had prepared for the Council, pinpointing a wide range of issues that needed to be resolved in order to manage the process efficiently. For example, how best to group the consents as many of the structures were in varying levels of condition: what to do with seawalls that were above the water mark, but still offering protection to council-owned land; and how to manage ownership for seawalls that bordered or crossed privately owned property.

Beca's coastal engineering and planning team worked closely with the council to find long-term solutions for these issues, providing advice and guidance throughout the process. They completed and lodged a group consent for all of the council's public access structures (boat ramps, jetties, etc) and are currently preparing a group consent for all of the erosion protection structures. By negotiating with Environment BOP, Beca obtained support for both group consents to be heard together later this year, reducing costs for everyone involved.

Environment BOP's environmental consents officer, Ray Thompson commented, "Environment Bay of Plenty commends Beca's proactive and consultative approach to dealing with this significant issue on behalf of Western Bay of Plenty District Council". The success of the process was enhanced by the district council's proactive approach and the spirit of cooperation between the district and regional councils.

planning

## power in planning

A year on from the establishment of Beca's Australian planning group, the team is going from strength to strength.

New recruits to the Australian planning team: Catriona MacLean and Trent Kneebush

The diversification of Beca's business in Australia has included the establishment of a planning capability over the past year, led by Planning Manager, Greg Pollock. With support from both the wider Australian business and Beca's 40-strong planning group in New Zealand, Greg and his team are making good progress.

"Our fresh approach, new skills and wide range of experience has proven an attractive draw-card for clients", comments Greg. "The range of services we offer, in particular our 'front end' strategic capabilities - such as planning, cost engineering and project management - are a definite differentiator for Beca. Over the past year, we've developed some excellent client relationships, secured a number of high profile projects and grown a dedicated and enthusiastic team".

Most recently, the team was awarded the Boating Coastal Action Plan, a strategy project to provide direction and priorities for boating in Victoria's central coastal region. They are also involved in a number of structure plans, including a flagship project for rural Victoria, which involves rezoning a large area (400sq km) in Strathbogie Shire for intensive agriculture and freight logistics.

"Perhaps the best part of our growth in Australia has been the expansion of the Beca Planning team. The addition of Trent Kneebush has provided us with excellent statutory and development planning skills, and graduate planner Catriona MacLean has provided great support on a growing list of projects", says Greg. This is just the start of things to come - Beca Planning looks set to truly make its mark on the Australian planning scene.



## promotions

## introducing excellence

On 1 April 2004 Beca announced the names of 44 employees who were promoted to senior roles in the Group. The appointments recognise the commitment and skill that each individual contributes to the company in their field of expertise.

The 44 men and women from Beca's New Zealand and Singapore offices work across a broad range of specialist areas – spanning civil, structural geotechnical, electrical, mechanical and environmental engineering disciplines, as well as survey, planning, valuations, architecture, finance and business technology – a reflection of the diversity of expertise that exists within the Beca Group.

These employees join other senior Beca staff members as shareholders in the Group. 35

Aaron Beer • Andrew Murray • Ann Williams • Ceri Bain • Clive Richardson • Craig Ridgley  
 Darryl-Lee Wendelborn • David Solloway • Dean Herrmann • Gavin Frost • Gerard Leishout  
 Greg Williams • Hemant Joshi • Ian Watson • James Coup • Jason Colton • Joanne Wright  
 John Duffy • John Leonard • John Mazengarb • Keith Middleton • Kiran Hira • Lee Ang Seng  
 Leeanne McCallum • Leong Kok Yeong • Low Kam Fook • Mark Preston • Mark Stinson • Matt Ensor  
 Murray Smallfield • Neil Gunn • Patrick Breen • Peter Dyer • Peter McCafferty • Peter Schelekens  
 Robin Johansen • Rod Slater • Ross Plumpton • Scott Munro • Stuart Wilson • Tan Kiat Leong  
 Tracey Hazard • Wayne Estment • Yeow Mei Leng

employees became new shareholders, with the remaining nine extending their shareholding to become senior owners in the business.

Commenting on the appointments, Beca's chief executive, Richard Aitken says, "The health of any consultancy is maintained and enhanced by recognising the contribution employees are making to the business and the value they offer to our clients. Inviting these people to become Beca Group shareholders, or to increase their shareholding is further recognition of the contribution these people are making to Beca."

The names of the 44 employees are listed below:

## ports &amp; marine

## getting ship shape

A project that began as the extension of a container terminal in downtown Auckland has become a part of an important initiative to keep Auckland on key international shipping lanes.

In 1993 Ports of Auckland (POAL) selected Beca to design and manage resource consent applications for the expansion of the Fergusson Container Terminal, which included a 10 hectare reclamation and container wharf. By 2000 resource consents had been granted and design was well underway. However, international shipping companies then advised POAL that a new generation of significantly larger container ships would soon require access to Auckland ports.

POAL began preparations to accommodate the new 4100 TEU container ships, which have a deeper draft (12.5 metres) and larger container exchanges than ships that were currently visiting the port. As the Rangitoto Channel commercial shipping lane and harbour approaches had a notified depth of 11 metres, works were required to address the issue.

POAL engaged Beca to carry out ship travel analysis and investigate dredging of the shipping lane to optimise depth. Based on their findings the decision was made to dredge the shipping lane and harbour approaches to a depth of 12.5

metres. This would involve the removal of about 550,000 m<sup>3</sup> of predominantly marine mud from the seabed.

"POAL combined the terminal expansion and shipping lane deepening projects, which has allowed us to adopt an innovative and environmentally friendly use for the dredgings. The dredged material will be stabilised using Beca's Mudcrete technology and used up to 16 metres high in parts, to create a reclamation structure and perimeter bunds – something never before attempted with Mudcrete", said Beca's technical director Stephen Priestley who is overseeing the project.



## programmed for success

Beca's programme management services are in demand.

The efficient management and delivery of a large programme of works over an extended timeframe is a tall order for any organisation. That's why more and more central government and local authorities are choosing to outsource large-scale programme management.

The programme management methodology - which brings together multiple projects with repetitive management processes, and sees them standardised, streamlined and managed economically to achieve overarching strategic objectives - is an approach Auckland City Council has successfully embraced. Beca was engaged for a three-year period in 2000 to oversee the Council's stormwater capital works programme (budget of NZ\$10 million to NZ\$17 million per year) and its success has led to an extension of the service agreement for a further four years.

"Our relationship with Auckland City has been successful because both Beca and the Council have moved to closely align our business processes and systems to match the

programme requirements", says senior Beca project manager, Abhishek Sharma. "With the benefit of a long-term service agreement, we've been able to adapt and develop the programme management processes, to gain greater levels of efficiency", comments Abhishek.

Beca has set up systems for the programme that are flexible and tailored to the client's requirements. Under the umbrella of Beca's systems, Auckland City's processes have been integrated by the team to form programme procedures and management processes to streamline the planning, financial reporting, consenting, design and construction management, and construction supervision systems. This has reduced administration and management responsibilities, freeing the Council to focus on other key and strategic functions, such as development and communication of stormwater policies, standards and community education.

In addition, Beca is currently managing programmes for the New Zealand Police and Auckland International Airport.



Senior Project Manager,  
Abhishek Sharma

## good as gold

Already this year, Beca has been acknowledged through a number of awards, spanning a range of disciplines.

Beca's people are passionate about their work and take pride in delivering a quality service. It's even more gratifying when that hard work is recognised and endorsed by our peers in the form of industry and business awards. Already this year, Beca has been acknowledged through a number of awards, spanning a range of business and technical disciplines:

Institute of Professional Engineers New Zealand - Environmental Award for Excellence and Innovation

CH2M Beca, Watercare Services, Fletcher Construction and Manukau City Council (joint winners), for the rehabilitation of the Mangere oxidation ponds and their return to the Manukau Harbour.

Association of South East Asian Nations Energy Awards - First Place, Retrofitted Building Category

Singapore's Royal Plaza On Scotts received this award for its energy efficient building design, for which Beca provided mechanical and electrical professional services.

New Zealand Planning Institute - Award of Merit

Beca Planning and the Whangarei District Council (joint winners), for the Whangarei District Coastal Management Strategy.

New Zealand Property Council - Award of Excellence

Beca, the Embassy Theatre Trust and restoration team (joint winners), for the refurbishment of Wellington's Embassy Theatre. Beca delivered the building services design for the upgrade.

New Zealand Property Council - Award of Excellence

Britomart Transport Centre - Beca provided project management for the development of the underground station, refurbished Central Post Office, glasshouse, surrounding streetscapes, bus stations and public spaces.

New Zealand Property Council - Award of Merit

Auckland Hospital Central Plant - Beca provided project management and engineering services for the upgrade of the 1960's 'boiler house'.

New Zealand Property Council - Award of Merit

Auckland City Hospital - Beca provided building services design for the new hospital.

Wellington Region Gold Business Awards - Professional Gold

Beca's Wellington office received this award for its project achievements and economic contribution to the Wellington region.



### locations

New Zealand  
Auckland  
Wellington  
New Plymouth  
Christchurch  
Tauranga  
Hamilton  
Dunedin

Australia  
Adelaide  
Brisbane  
Melbourne  
Sydney

Brazil  
Sao Paulo

China  
Suzhou  
Beijing

India  
New Delhi

Indonesia  
Jakarta

Malaysia  
Kuala Lumpur

New Caledonia

Papua New Guinea  
Port Moresby

Singapore

Visit the Beca website for full office contact details.

We welcome your comments, questions and suggestions by email to [info@beca.co.nz](mailto:info@beca.co.nz) or by fax +64-9-300 9300



Migratory wading birds return to the Manukau Harbour under the watchful eye of local bird expert, Roy Clough.