

# Backgrounder

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## About Beca

Beca was established in New Zealand in 1918 with three employees. 90 years later, Beca has a substantial Asia Pacific footprint operating from 20 offices in 9 countries across the world. With over 2,400 employees, Beca has become the largest employee-owned engineering and related consultancy services Group in New Zealand.

Beca works in four key markets: Industrial, Infrastructure, Buildings and the Public Sector delivering engineering services, planning, architecture, project and cost management, applied technologies and valuation services. Headquartered in Auckland, Beca operates from three main "hubs" – Australia, New Zealand and Singapore.

## Services

Beca consults to New Zealand's largest infrastructure providers including the NZ Transport Agency, Auckland Airport and Watercare. Beca's industrial clients are at the forefront of energy generation and transmission in New Zealand, delivering alternative energy sources such as wind farms, hydro dams and transmission stations.

In New Zealand, Australia and China, Beca has been assisting some of the region's largest manufacturers of food and beverage products, building breweries and food processing plants for over twenty years.

Having helped deliver a number of prominent buildings in New Zealand such as the Sky Tower in Auckland, Beca Buildings is now delivering large-scale projects in South East Asia and the Middle East that contribute to the development and use of Environmentally Sustainable Designs. An example of this is Singapore's Zero Energy Building that aims to construct the building to generate as much energy from renewable sources as it uses leading to net zero energy consumption.

Beca also consults on systems engineering, business solutions, IT project management, software services, and has developed a number of software and simulation products. This capability has earned Beca commissions across a number of sectors including transportation, ports, defence and water services, both in New Zealand and overseas.

## History

Beca's roots reach back to the end of World War One, when Arthur Gray, a returning serviceman, opened an engineering practice in Auckland. Since then, records show a steady progression of growth, fuelled mainly by two visionary thinkers in the 50s, 60s and 70s: George Beca and Sir Ron Carter.

Pioneering design and innovative solutions quickly became the Beca trademark. For example, the new pavilion that was designed in the 1950s for Auckland's Ellerslie race course was one of the world's first structures to use tubular steel cantilever space frames anchored to a central core.

In the early sixties George Beca began promoting engineers as principal advisors. Ultimately, that changed Beca's profile from a structural and civil engineering company to a multi-disciplinary consultancy. During the 70s and 80s Beca focussed on expanding its International markets opening offices in Australia and South East Asia.

## Beca around the World

Beca first opened an office in Australia 40 years ago and the business now has four offices with just under 400 employees. Their key sectors are food and beverage, cold storage, industrial, water and wastewater industries with a growing profile in the land transport, buildings, airports, project management and planning sectors.

In 1977, the Beca Singapore office opened to support the evolving Buildings sector. Singapore is now the headquarters of Beca's Asia hub with over 400 employees in four countries providing project management and engineering consultancy services to commercial building developers and Industrial Clients.

## International Recognition

In the last five years alone Beca has secured over 60 award winning landmark projects over the world. This year, Beca won a Gold Award with the Association of Consulting Engineers New Zealand for their work on the Melbourne Airport A380 Runway Widening in Australia.

## Joint Ventures

Today's global engineering market is constrained by limited natural and human resources. Joint ventures help Beca and other partners meet their clients' needs.

AMEC is Beca's longest partner, specialising in the pulp and paper and mining and metals processing industries. Formed in 1984, BecaAMEC provides an enviable bank of resources combining extensive international alliances with offices across Australia, New Zealand, Indonesia and New Caledonia.

In 1998 Beca began working with the well-respected Fijian company Erasito Consultants Limited. In 2004 the joint venture company Erasito Beca Consultants Limited was formed. Erasito has strong links with Fijian infrastructure projects through its understanding and experience in the local market. In turn, Beca's size and technical expertise allows Erasito to bid for larger contracts than they could alone.

Other Beca partnerships include its most recent joint venture company, Beca Poch S.A., established in 2007 located and in Chile, and CH2M Beca, a company jointly owned by Beca and CH2M HILL International Limited, one of the leading environmental engineering firms in the USA.



**Richard Aitken**  
Chairman - Beca Group Ltd.

Specialising in the project management of multi-disciplinary industrial developments, Richard has been influential across a diverse range of building projects in New Zealand, Australia and the Pacific. He worked for Ove Arup in the

UK, and completed a Masters of Engineering Science at the University of Sydney where he researched the use of computers in designing steel building frames. Richard was appointed Beca Group CEO in 2000.



**Keith Reynolds**  
Group Chief Executive - Beca Group Ltd

Keith joins Beca with a distinguished track record in building engineering consultancies across the Asia-Pacific region, holding a series of senior roles in Bangkok, Singapore and Sydney. Keith began his professional life as a civil engineer

in Britain, working in design and site management roles for large construction companies and consultancies. After a period managing a national WaterAid programme in Ghana, he joined a major British consulting brand and launched his international career. Keith's recent achievements include the significant development of the water, rail and roading business of a notable consulting brand in Australia.



**Chye Heng**  
Chief Finance Officer/Head of Legal - Beca Group Ltd.

Chye leads Beca's Finance and Legal teams globally. He has prime responsibility for advising and implementing Corporate Financial and Legal strategies, and also oversees the group's insurance arrangements.

In his 25 years with Beca, Chye has been prominent in helping the business navigate its significant growth.

Chye is active in the general and accounting communities, having recently served as Chairperson of Auckland Normal Intermediate School and as President of the New Zealand Branch Council of CPA Australia for 2 terms.



**Ian Bull**  
Managing Director – Beca Infrastructure Ltd.

Ian Bull is an Executive Director of Beca Group Ltd. and Managing Director of Beca Infrastructure Ltd. in New Zealand, the company which focuses on the infrastructure markets of Airports, Roads, Rail, Ports,

Water and Environment and Land Development in New Zealand and the Pacific.

Ian acts as Beca Corporate Sponsor for our relationship with Auckland Airport and provides a strategic overview of all Beca's work for this client.



**Bob Durrant**  
Managing Director - Beca Corporate Holdings Ltd.

Robert (Bob) Durrant has broad commercial and project experience across a wide range of market sectors in developed and developing countries. A civil and structural engineer, he began his career designing institutional and

commercial buildings, followed by a period designing and project managing the delivery of a number of large industrial plants. In his most recent capacity as Managing Director, Beca International Holdings Ltd., Bob has played a significant role in Beca's growth in many of the Group's international markets.



**Greg Lowe**  
Managing Director – Beca Pty Ltd., Australia

Greg is Managing Director of the Beca Group operating company in Australia, Beca Pty Ltd., based in Melbourne. He is responsible for leading and delivering strategy and operations, and diversifying the markets where Beca

participates on the east coast of Australia and extending the full range of Beca services to these markets.

Some highlights of his career so far include rigging design with Whitbread challenger 'Fisher and Paykel', managing MandE design for the ANZAC Ship Project and directing, leading and merging project/asset management companies.



**Don J Lyon**  
Managing Director – Beca Carter Hollings & Ferner Ltd.

Don is a highly experienced project director who works closely with clients on business strategy, policy development and assessing the strategic impacts of statutory and regulatory issues on project implementation.

He has supported local and central government agencies throughout New Zealand and the South Pacific, and has been involved in many of New Zealand's large development, infrastructure and consenting projects. Don has specific expertise in strategic urban and coastal planning, project management and community consultation.



**Mike Quirk**  
Managing Director – Beca Carter Hollings & Ferner (SE Asia) Pte Ltd.

Mike is Group Director of Beca Buildings, serves on the Beca International Holdings Ltd. Board and was one of the driving forces behind setting up Beca's UK business - BCHF (UK) Ltd.

Before joining Beca in 1992, Mike worked on many commercial engineering projects in Wellington, London and then Auckland. He has over 18 years' experience in the design and construction of large commercial, healthcare and institutional projects in Australia, Asia and UK. He has been involved in a number of projects covering concept and detail design, technical reviews and commercial negotiations.



**Paul White**  
Managing Director – Beca International Holdings Ltd.

Paul is Managing Director of Beca International Ltd and was Managing Director of Beca in Asia until his return to New Zealand in 2007 when he took up the role of Managing Director - Strategic Projects.

He continues to be closely involved in advising and supporting Beca's Asian business, particularly in China where he is responsible for a number of key client relationships.

