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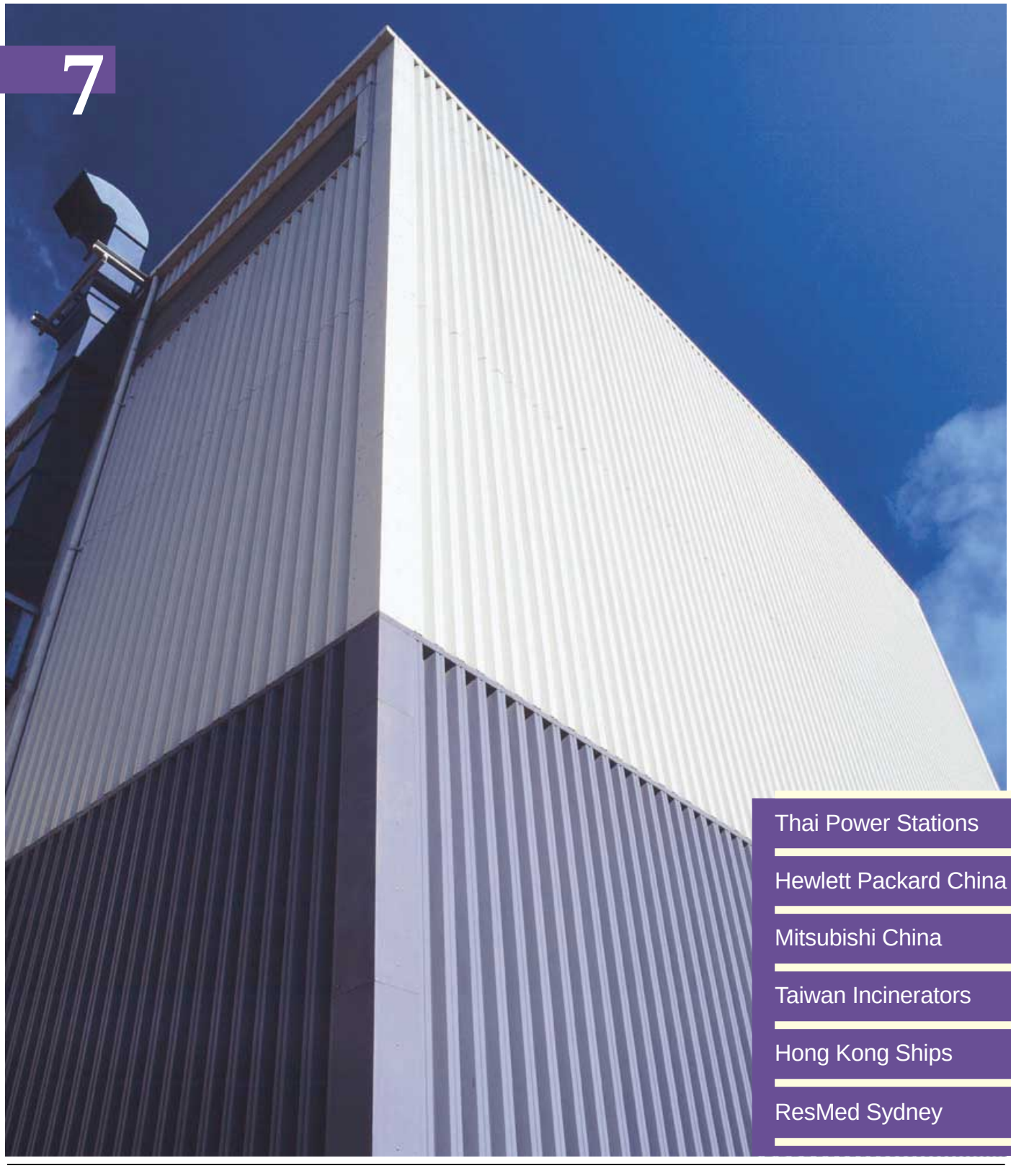


Thai Power Stations

Hewlett Packard China

Mitsubishi China

Taiwan Incinerators

Hong Kong Ships

ResMed Sydney

A NEWSLETTER FROM HH ROBERTSON ASIA/PACIFIC

Power Stations Thailand

Ratchaburi

HH Robertson has completed major contracts for almost every large-scale power station in Thailand and neighbouring South East Asian countries.

At one of the longest continuous power plant developments in the region, Robertson has supplied Versacor protected roof and wall cladding for every stage of Thailand's Mae Moh development, which now has 13 units in service.

In all, Robertson has supplied cladding for 24 power station projects throughout Thailand, 14 in Indonesia, 9 in Singapore and 8 in Malaysia – all contributing to more than 2,500 power stations clad by Robertson worldwide!

Ratchaburi, Bang Pakong and South Bangkok are three of the most recent units clad by Robertson in Thailand.

Ratchaburi power plant is one of the largest single power projects launched by the Electricity Generating Authority of Thailand (EGAT). It includes a thermal power plant and combined cycle power plant with an installed capacity of 3,645MW.

Robertson has supplied 49,000 square metres of Hurricane Rib roofing and 47,000 square metres of Hurricane Rib wall cladding in Robertson Versacor Protected Metal, plus 4,800 metres of rainwater pipe and 3,500 metres of guttering to the project.

Similar services have been provided to Bang Pakong (installed capacity 3,675MW) and South Bangkok (2,288MW).

Bang Pakong

South Bangkok

Hewlett Packard
China

The creative combination of Formawall from Centria and Robertson Bold Rib cladding, by architects HOK in Hong Kong, has produced a striking manufacturing plant for computer group, Hewlett Packard in Shanghai, China.

Robertson supplied the complete building envelope (including the window systems and glazing) for constructors Bechtel China Inc — all on a Single Responsibility design, supply and project management contract.

The structure incorporates more than 3,000 square metres of 50mm thick Formawall, which is 10 times lighter and 10 times more efficient as an insulating medium than concrete panel twice as thick.

Some 5,000 square metres of Robertson Bold Rib cladding adds to the overall design with 1,800 square metres of windows and glazed doors.

Hewlett Packard is one of many technology leaders to specify Formawall in the Asia/Pacific region. Others include Compaq in Singapore; Seagate in Singapore; Apple, Digital, IBM – all in Sydney.

Mitsubishi China

Robertson Asia/Pacific Group has supplied Formawall by Centria for a 300 metre wide office component fronting a new industrial plant at Shenyang in China.

The plant, a joint venture between the state owned Shenyan Aerospace Company and Japan's Mitsubishi Motor Company will produce diesel engines for regional markets.

Robertson provided 50mm insulated Formawall in cooperation with Centria, with project management through Robertson Hong Kong — using Robertson appointed construction installers in Shenyang.

Located in the North East of China, Shenyang is a rapidly expanding centre that provides a manufacturing base in China for many North East Asia companies, mostly from Korea and Japan.

In addition to insulated panel, Robertson also provided roof mounted smoke/heat ventilators for the plant, with all contracts completed on time and within budget.

Tainan

Taiwan Incinerators

Robertson has two contracts for new incinerators in Taiwan at Tainan and Kaohsiung.

At Tainan in the island's south west Robertson has completed design, supply and installation contracts for all metal building systems to the new incinerator's external envelope, including Robertson Ultra–Flow gravity ventilators and louvre inlet systems.

The Ultra Flow units, with three-metre wide throats, have a Coefficient of Discharge of 0.65, making them the most efficient gravity ventilators for severe heat load or fume removal from large-scale structures.

The Robertson-designed ventilators were supplied as part of an envelope package incorporating Formawall from Centria, MR3 roofing and BR6 roof and wall systems. Robertson has the exclusive distribution agreement for Centria products throughout the Asia/Pacific region.

Construction was completed under Robertson project management, preserving Robertson Single Responsibility warranties on the projects.

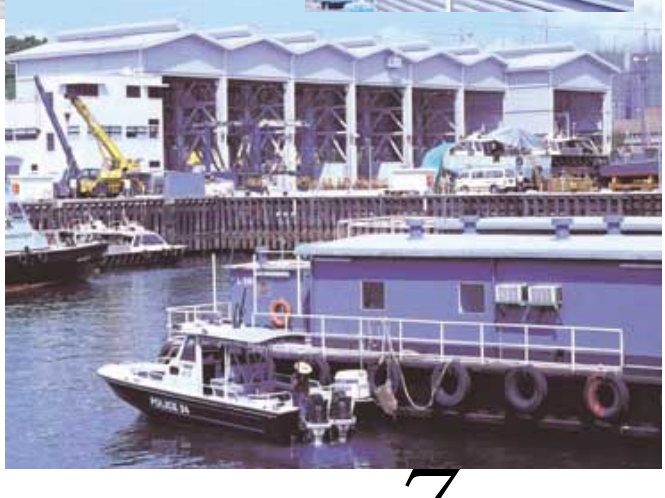
Work is also underway on a new incinerator in the island's south at Kaohsiung, where Robertson has design, supply and installation contracts for 12,000 square metres of Formawall from Centria in light pink and blue for the facades and 2,200 square metres of BR6 for the roof.

As it has for many projects, Robertson was able to meet the client's technical and aesthetic requirements, producing panel in special colours for the project.

Robertson is also able to supply different colours to each side of its cladding and panel systems, with most clients requesting lighter internal finishes to help minimise the need for artificial lighting.

Kaohsiung

Stonecutters Hong Kong



The Hong Kong Authority's patrol boat centre at Stonecutters Island in Hong Kong is upgrading its facilities with new undercover slip and service areas now being commissioned.

The new facilities include a large dry-dock enclosure and seven linked buildings on its city side.

Robertson has completed contracts for all metal building components to the new structures finished in Robertson Versacor PF on a design and project management contract.

Architects ASD/Pong Chang Morrison Hastings chose Robertson horizontal Shadow Rib with mitred corners for the wall systems. Robertson also supplied the liner trays and rockwool insulation for all structures, along with integrated louvres and gravity exhaust ventilators.

ResMed Sydney

Work in Progress

NORTH EAST ASIA
Kaohsiung Ren Wu Refuse Resource Recovery Plant, Taiwan
Stonecutters Island–Improvement Works to Government Dockyard, Hong Kong
Eastcom Plant, China
Hong Kong Electric Head Office Development, Hong Kong
Ling Ao Power Station, China
Lamma Power Station T1 Jetty Extension Replacement, Hong Kong
Shenyang Mitsubishi Motors Plant, China
Taiwan Hsichou Refuse Resource Recovery Plant, Taiwan
Ling Ao Nuclear Reactor, China
Phu My 1 Power Plant, South Vietnam, Vietnam
Lamma Power Station Coal Tower T2, T3, T4 & T6 & Crushing Tower, Hong Kong

SOUTH EAST ASIA
Tuas Incinerator Plant – Boiler House, Singapore
Tuas Incinerator Plant – Reception Hall, Singapore
Marine Parade Community Club, Singapore
Ratchaburi Combined Cycle Plant, Thailand
Robertson Quay Hotel, Singapore
Ulu Pandan Sewage Plant Extension, Singapore
Krabi Power Station, Thailand
Kaki Bt Flatted Factory, Singapore
Merck Sharp & Dohme, Singapore

PACIFIC
Goodman Fielder Head Office, Sydney
State Government Multi-purpose Venue, Melbourne
Fox Studios, Sydney
State Government Netball & Hockey Centre, Melbourne
Qantas Domestic Terminal Rail Link, Sydney
Qantas Travelodge, Sydney
State Government Manly Interchange, Sydney
Energy Australia Sub-station, Wyong, NSW
Energy Australia Macquarie Apartments, Sydney

Medical equipment manufacturer, ResMed Limited has a new head office and distribution centre in Sydney's technology centre at North Ryde.

Architects Jackson, Teece, Chesterman and Willis took advantage of Formawall's long-spanning capabilities and Robertson's ability to deliver the entire envelope for the office centre.

Robertson designed, supplied and installed the complete wall systems including support steelwork, Robertson Formawall panel, windows, glazing, sunshades and the curtain wall to the main entrance – all under one contract backed by appropriate Robertson warranties.

Sunshades are fitted directly to the window mullions, avoiding the need for penetrations through the cladding zone.

Robertson Award of Excellence

We are pleased to announce that this year's Robertson Pacific Award of Excellence has been presented to architects:

WOODS BAGOT PTY LTD
in recognition of outstanding architectural design using HH Robertson Building Systems for the SIEMENS HEAD OFFICE MELBOURNE

(Detailed report published in Format 6)

For further information on any of the products or projects in this issue please contact:

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