

# FORUM

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Lamma coal towers

KCRC University station

Taiwan incinerators

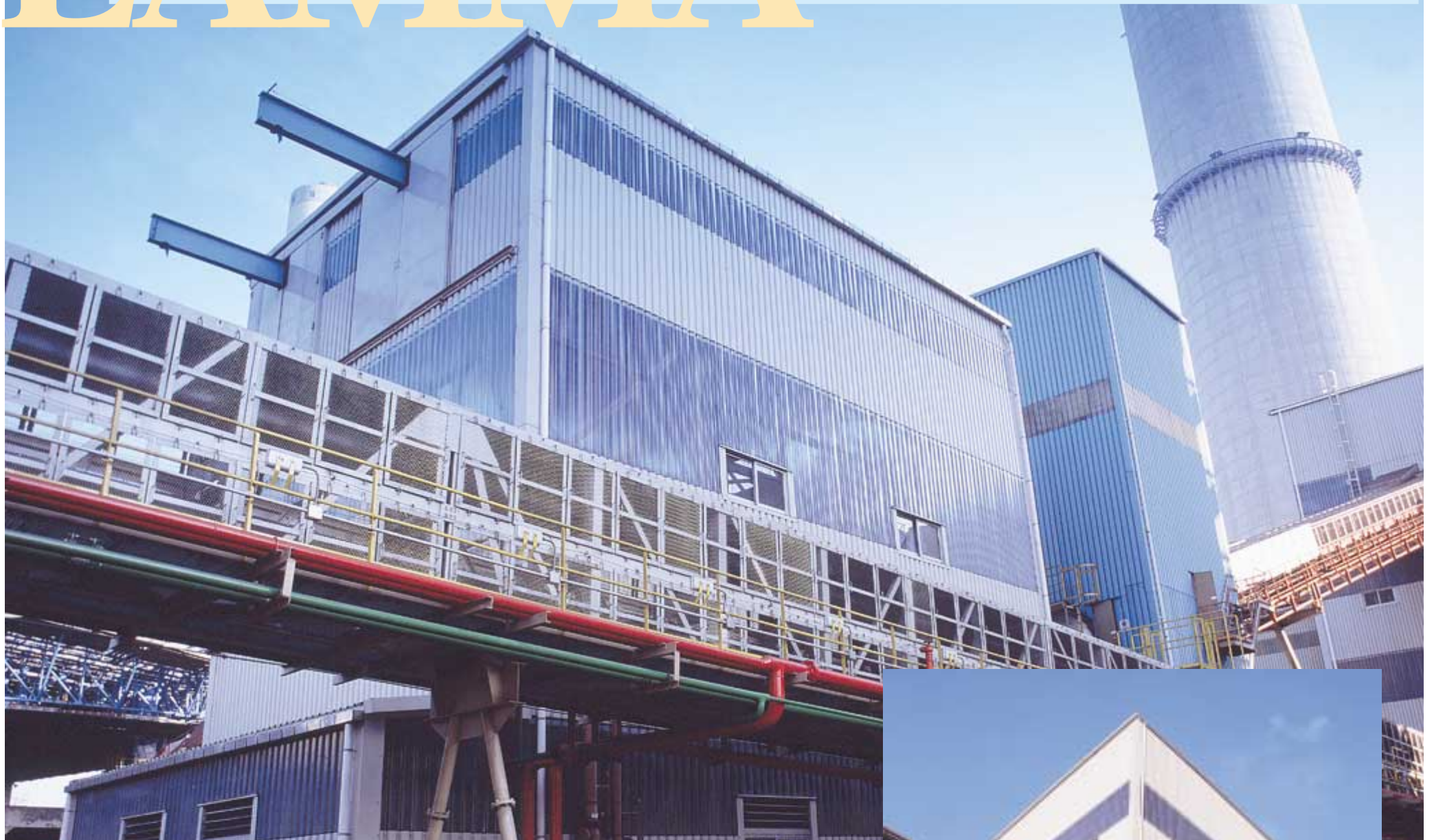
Hoping power station

Eastcom

Merck Sharp & Dohme

MAX makes mark





Robertson has recently completed four coal junction towers in Hong Kong – after cladding systems supplied by others failed.

Lamma Island Power Station authorities called on Robertson after comparing the in-place performance of Robertson cladding to the Turbine House and other on-site building with the coal towers, which were subject to colour fading and corrosion, requiring replacement.

Robertson undertook the demolition and removal of existing cladding, then supplied and installed a Robertson cladding system under a Single Responsibility contract.

The refurbishment contract required more than 6,500 square metres of Robertson Box Rib cladding, protected by Robertson's proprietary Versacor multi-layered coating system to both sides of the sheet.

Robertson also supplied and installed UV-resistant translucent panels, louvres, stainless steel doors, powered ventilation systems, supporting girt and cable replacements.

All works were completed on time and budget.



# KCRC

## UNIVERSITY STATION, HONG KONG



# Hong Kong Electric

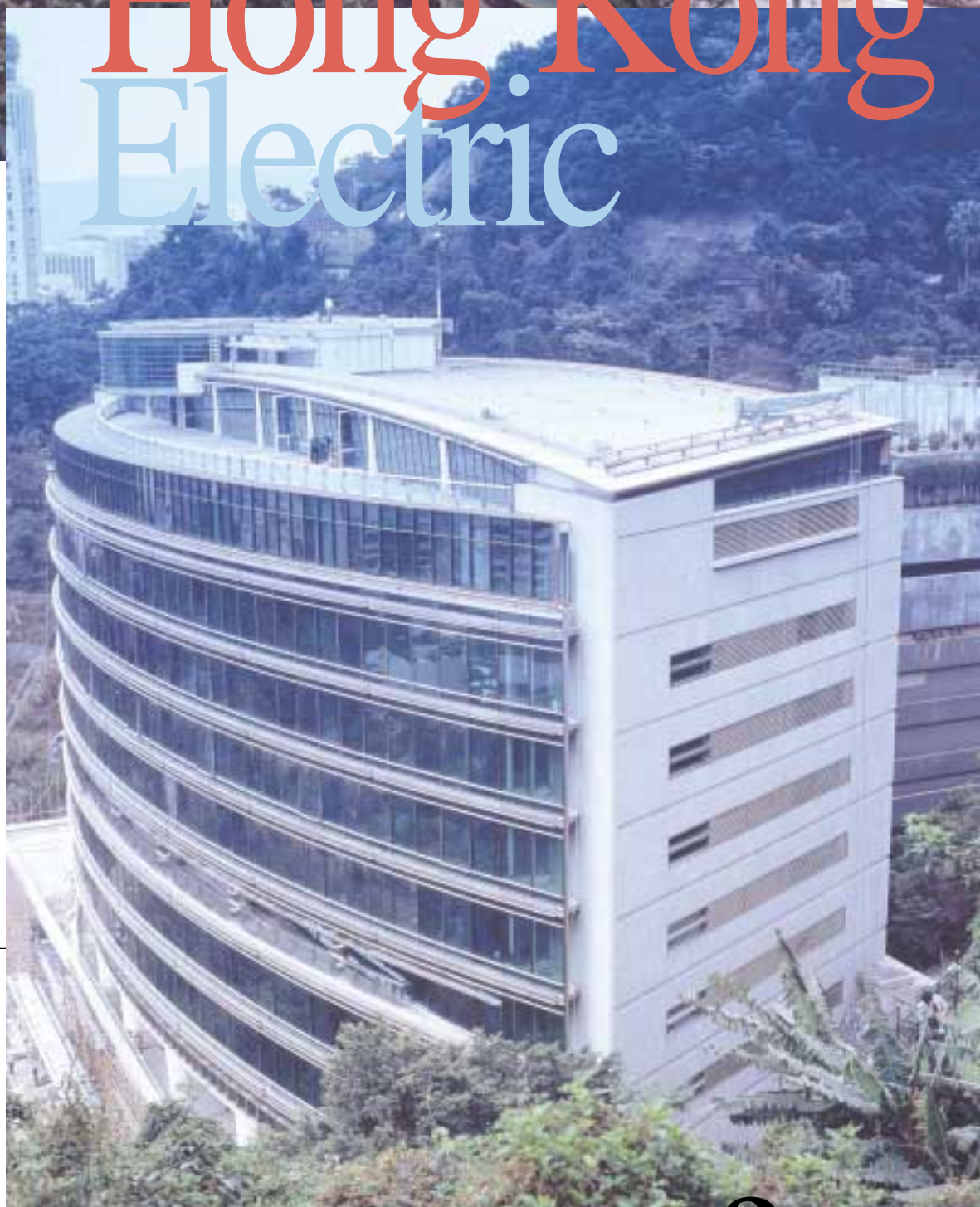
Hong Kong architects Leigh & Orange chose Robertson to design, supply and install the acoustic roof systems for extensions to the KCRC University Station.

Robertson has completed numerous contracts for the supply and installation of vitreous enamel internal wall linings and also single skin roof and wall cladding to Hong Kong's rail system over recent years.

For the University station, Robertson supplied and installed a built-up system utilising a SRS2 standing seam profile to the roof, with fibreglass insulation and L5V flat liner trays, designed by Robertson to double as a false ceiling to the interior of the concourse.

This new development in liner tray 'form and function' makes the Robertson developed system suitable for a range of industrial and public space design applications requiring high-level finishes at low cost. The University Station project was completed on time, and well below budgeted cost.

Hong Kong Electric's new Head Office in Kennedy Road has a textured-grade, matt finished 316 Stainless Steel roof supplied and installed by Robertson for builders Paul Y Constructions Ltd and Hong Kong Electric. The curved standing seam profile is part of an insulated roof system which includes infill stiffeners, acoustic board, rockwool insulation and a Robertson BR5 profile liner, providing noise reduction levels of 45 dBA, and an ultimate wind failure load of 10kPa.





# Ren **WU** INCINERATOR





# Hsichou



Robertson has completed two incinerators in Taiwan – both featuring Formawall from Centria and BR6 roof cladding.

The new Ren Wu incinerator at Kaohsiung in the island's south (left) was first mentioned in *Format 7* during the early construction phase. It is now complete.

Taiwan is developing a network of incinerators, to take the pressure off its valuable land resources, and another new facility has since been completed at Hsichou (right), in the north of the island

Both were designed by Sinotech for the Taiwan Environmental Protection Administration with Robertson providing Formawall in special colours as required.

Colour matching was especially important on the Hsichou site, which incorporates areas of ceramic tile, also in pink and blue.

Robertson took responsibility for the manufacture, supply and installation of cladding systems for the two projects.

For Ren Wu, Robertson supplied more than 12,000 square metres of Formawall and Box Rib 6 roof cladding.

At Hsichou, Robertson has supplied and installed more than 10,000 square metres of roof and wall cladding. Both make use of Robertson's multi-layered, Versacor-protected coating systems.





# Ho Ping

## POWER STATION, TAIWAN



A privately developed coal-fired power station is under construction near Haulien on the north east coast of Taiwan.

Venture partners Taiwan Cement and CLP-PI will own and operate the new 1320MW facility at Ho Ping for 25 years following completion.

Based on an agreement that will guarantee power purchases by Taipower, the new development includes associated substations and 53km of connecting high voltage transmission lines.

Robertson is supplying and installing industrial cladding and composite

panel for the project to client, Samsung, and construction managers, Alstom.

In all, Robertson will install more than 21,000 square metres of Centria BR5-36 cladding in Versacor TF, and 13,000 square metres of Robertson roof foam panel, with a Centria Formawall external skin, also finished in Versacor TF.

The Robertson Single Responsibility Contract for the project includes cladding design, procurement, project management and installation.



# East COM

## CORPORATE PARK, CHINA

Robertson has been a key supplier in the development of a multi-structure office park for China's publicly-listed Eastern Communications Company at Hanzou.

Called Eastern Communications City, the new park is a joint venture with Motorola for the manufacture of cellular telephones.

Robertson designed and supplied 22,000 square metres of 50mm composite panel in typical modules of 6m x 1m, with a PVF<sub>2</sub> embossed cream finish, using flat panel to achieve large curvatures on some facades.



# Merck Sharp & Dohme

## MANUFACTURING, SINGAPORE

Robertson has supplied and installed a total of 5,300 square metres of metal roof and wall cladding for the prestigious Merck Sharp & Dohme facilities in Tuas to clad structures including:

- ▲ Tank farm
- ▲ Truck unloading N/S piperack
- ▲ Factory building
- ▲ Process plant/solvent recovery
- ▲ Substation/cooling tower
- ▲ Fuel oil storage.

The coating specified for the project was Duragard Plus, which provides excellent protection on a 0.90mm Robertson Style Rib profile.

Site safety was one of the main highlights with Robertson executing the contract in compliance with Merck Sharp & Dohme's high level safety standards.





Airport, Australia

# MAX makes mark

MAX EXTERIOR high-pressure laminate panel systems have found favour with engineers and designers in the Asia/Pacific region, following their introduction through an exclusive agreement with Robertson Asia/Pacific.

The European manufactured laminate is already widely utilised as a cost-efficient, architecturally exciting, vandal-resistant material in many EC countries, and has now been proved in accelerated southern hemisphere exposure tests conducted by an independent authority for Robertson.

Architects Burns Design chose MAX EXTERIOR panel systems for Coolangatta's high-profile Airport Central Office Building on Australia's Gold Coast. The result is a high quality finish derived from an extremely flat panel with sharp negative joint details.

Easily worked on site, the Airport Central panels were fixed through screws to the edges, and glued to the central support.

## New Contract

Brisbane's six-lane Inner City By-pass will incorporate MAX high-pressure laminate for road and pedestrian tunnel linings.

Robertson will supply and install more than 1,500 square metres of MAX EXTERIOR panel to clad 500 lineal metres in four tunnels along the 4.5 kilometre road route.

Designers Cox Architects, main contractor Leighton Contractors, and the owners selected Max panel for its durability and compliance with BS476 fire codes. It was also selected for its scratch resistance, graffiti resistance and ease of on-site working and installation. Construction on the project has begun, with the final underpass scheduled for completion in 2003.

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