

# FORUM

10



Vodafone arena

State sports centre

International ventilation

Otto Bock head office

Pathology centre

Audi showroom

Babel building

# Vodafone

## ARENA, MELBOURNE

Melbourne's new multi-purpose sports centre, the Vodafone Arena, features Robertson insulated Formawall panel in two pearlescent finishes.

Architects Carlo Corallo and Vern White of Peddle Thorp specified Formawall in Blue Azure and Silver Coin to help define the external facade for the new arena.

Robertson and Peddle Thorp last worked as a team on the National Tennis Centre in Melbourne, another Formawall project.

The use of pearlescent finishes, in particular Azure Blue, gives the sports centre an exciting contemporary style.

Robertson supplied more than 3,600 square metres of Formawall in 900mm modules, faceted at the corners. The contract also includes Robertson Flushwall, applied to plantroom areas.

The Vodafone Arena is a multi-purpose centre capable of hosting a variety of sporting and general events including basketball and tennis under an operating roof system that may be left open or closed, as required.

In addition to hosting major sports events, it also has a unique staging system to provide for touring rock groups and large-scale operatic or classical performances.



# STATE

## Netball & Hockey Centre, Melbourne



Australia's sporting capital has another new facility, the Victorian State Netball and Hockey Centre, at Parkville in Melbourne.

Located within easy reach of the city, the new centre includes two state-of-the-art field hockey pitches, a range of indoor training and medical support facilities, and external netball courts.

The striking facades of the main hall, designed by architect Graeme Nielson of Bligh Lobb PINK, are clad in Robertson Horizontal Formawall. The secondary hall features Robertson's Bold Rib single skin profile. Both are finished in pearlescent Silver Coin.



## Robertson Ventilation International

Robertson Ventilation International offers integrated gravity ventilation systems to clear fume and heat from industrial plants of all kinds in the Asia/Pacific region, Africa, and the Indian Ocean islands.

First in the world to offer independently rated gravity ventilation systems (1918), Robertson continues to embrace advancing technologies such as CFD (Computational Fluid Dynamic) modelling to produce predictable results for clients.

In recent applications, Robertson Ventilation International has completed ventilation system designs for Port Kembla Copper in Australia and, in collaboration with its RVI South African equity partner, Steeledale Cladding, the Mozal Aluminium Smelter in Mozambique.

Port Kembla Copper replaced a powered ventilation scheme with roof-mounted Robertson Ultra-Flow ventilators during a recent period of programmed maintenance (right).

Twelve Ultra-Flow ventilators on four roof structures have helped reduce temperatures inside the smelter by an average 10°C compared to the previous powered ventilation system.

More than 25,000 square metres of low-profile Robertson ridge ventilators and 4,000 square metres of continuous louvres were required to meet the client's performance specification requirements at Mozambique's Mozal Aluminium Smelter (below). The second stage of this large project, which incorporates Robertson SF1000 ventilators, is now underway.

Brian Gilbertson, Chairman and Chief Executive of Mozal's parent company, Billiton, said the Mozal project was completed six months ahead of schedule, and would stand as an industry benchmark for many years to come.



[www.robertsonventilationinternational.com](http://www.robertsonventilationinternational.com)



# Otto Bock



## MEDICAL, SYDNEY

German prosthetics group, Otto Bock, has a new head office, warehouse and distribution centre in Australia.

Designed by the Sydney firm McPherson Smith King Architects, the single storey office and warehouse facility is set on a 7,300 square metre site at Sydney's booming Norwest Business Park.

McPherson Smith King's designer, Greg Smith, specified Robertson Formawall finished in pearlescent Silver Coin for the external envelope.

Robertson supplied and installed more than 700 square metres of Vertical Formawall panel, 100 square metres of integrated glazing, and 140 square metres of sunscreen louvres – all under a Single Responsibility contract to head contractors Grant Construction.

The project, which features special details such as those associated with the transition of the Vertical Formawall into the soffits, was completed on time, and within budget, allowing Otto Bock to make an architectural statement that is both elegant and powerful in Australia's most sophisticated corporate park.



Fireproof Panels, Nanjing

# Philips



Cable Landing Station, Hong Kong



Put to the test in The Netherlands:  
This wall of Paroc Fire Proof Panels stood virtually unscathed after the building in the foreground burnt down.

Paroc Fire Proof Panels spanning up to 6 metres have been supplied and installed by Robertson for two new facilities in North East Asia.

International electronics group, Philips (above) has a new manufacturing centre located at Nanjing in China, where Robertson has supplied and installed the wall systems, including 15,000 square metres of Paroc Fire Proof panels, 400 square metres of louvres, 400 square metres of double-glazed strip windows, and a locally supplied aluminium extrusion.

Working with the Finnish Technical Research Centre, Paroc has developed a unique stone wool for its composite panels. The result is a lightweight, fireproof panel proven in laboratory testing and in real fire situations.

Paroc appointed Robertson as its exclusive distributor throughout the Asia/Pacific region last year. Using the Paroc product as a base, Robertson adds architectural design and engineering, additional components supply and integration, and installation services — all under its unique Single Responsibility service concept, with completed wall systems warranted by Robertson accordingly.

In Hong Kong (left) Robertson has supplied and installed the envelope for the Cable Landing Station, designed by Level 3.

The structure incorporates 75mm C100 Paroc Panel systems with Robertson Box Rib 5 cladding, personnel doors and roller shutters. Robertson undertook all aspects of design, supply and installation under one contract.

# Pathology

## AUCKLAND

Robertson has completed the external envelope for Auckland's new Pathology Building. The new structure, part of Auckland Hospital, was designed by architects DEM Auckland for clients, Auckland Health, with Mainzeal NZ as head contractor.

Robertson took responsibility for the supply and installation of support steel, sub-head and sill extrusions and Robertson Formawall insulated panel in White and Pearlescent Silver Coin - all under a Robertson Single Responsibility contract with appropriate warranty provisions for the total envelope.

Robertson Formawall architectural panel systems offer architects a lightweight, insulated exterior cladding system with high visual appeal, thermal and acoustic ratings.

With its steel skin and foam core, Formawall has been used and proven through hundreds of applications throughout Australia and the region, and has proven the material of choice for health, pharmaceutical and IT companies worldwide.



# AUDI

## SYDNEY

Sydney motor company Scotts Honda has developed a new showroom for its Audi dealership on Sydney's busy Pacific Highway at Artarmon.

Robertson Hurricane Rib cladding, one of many 'industrial profiles' increasingly used in urban applications, was chosen for the large roof of the new structure.

In addition to the new showroom, Robertson 'industrial profiles' can be found on pavilions at the Royal Agricultural Showground in Sydney, the Olympic Baseball Stadium, and the Marine Parade Community Club in Singapore.

The application of Hurricane Rib at the Audi showroom in Artarmon forms part of a Master Plan for Audi Showrooms developed by Sydney architects, Woods Bagot, with Hurricane Rib as one of the material options.

Under the plan, each dealership appoints the architect of its choice to follow the overall Woods Bagot concept.

Patrick Green, from Ian & Nola Ezzy Architects, specified Hurricane Rib (sprung-curved on site) for the Audi roof, with Robertson taking responsibility for supply and installation.



# Celebrating 50 years

## in South East Asia

Robertson is celebrating 50 years of achievement in partnership with industry and commerce in South East Asia.

Robertson's long association with the region began with the appointment of Jardine Matheson as agents for the Robertson UK company.

In 1983, Robertson Asia/Pacific, based in Sydney, Hong Kong and Singapore, took control of local operations and, as the 'tiger' economies fuelled the rapid development of the region, Robertson became the supplier of choice for major infrastructure projects in Thailand, Singapore, Indonesia and Malaysia.

The outstanding in-place performance of Robertson Protected Metal roof and wall systems can be measured by Robertson's repeat customers such as EGAT (the Electricity Generating Authority of Thailand); PLN - Indonesia; the Public Utilities Board and Ministry of Environment in Singapore, and Tenaga Nasional Berhad, Malaysia.

In addition to power stations, incinerators, airports and other industrial projects, Robertson has manufactured and supplied high-quality, high-performance insulated architectural panel systems for multi-storey offices, warehouses and commercial centres such as Fisons, Baxter Healthcare, Becton Dickinson, Compaq Computers and the Bangkok Bank.

Many of these projects have been completed using Robertson Single Responsibility contracts, under which Robertson undertakes the supply and installation of complete envelope systems under one contract, and warrants the in-place performance of completed roof and wall systems accordingly — a Robertson service initiative that has helped assure the company's success for years to come.

### GRESIK POWER STATION, INDONESIA

Robertson took responsibility for the design, fabrication, supply and installation of insulated roof and wall systems for Gresik Power Station, one of nine clad by Robertson in Indonesia.

1992

Below:

### FISONS MANUFACTURING, SINGAPORE

Robertson supplied and installed insulated architectural roof and wall systems for Fison's bulk chemical manufacturing plant in Singapore.

1960



Above:

### MAE MOH POWER STATION, THAILAND

Robertson has supplied Versacor protected roof and wall cladding systems for 13 power generation units at Mae Moh and 24 throughout Thailand.

Below:

### TUANKU JA'AFAR POWER STATION, MALAYSIA

In Malaysia, Robertson supplied external roof and wall cladding, Streamline ventilators and louvres for Tuanku Ja'afar.



1969



2000



Right:

### MARINE PARADE COMMUNITY CLUB, SINGAPORE

In 2000 Robertson supplied the internal wall and external roof cladding for Singapore's Marine Parade Community Club.



# IN PROGRESS

Now under construction, the Alfred Hospital Medical Research & Education Precinct in Melbourne combines Robertson Formawall finished in pearlescent Silver Coin with brightly coloured Vitreous Enamel cassettes.

Robertson was chosen by constructors, Multiplex, for its ability to project manage and deliver the complex facades for the new structure under a Single Responsibility contract including the design, manufacture and installation of:

- Support steelwork
- Formawall insulated panel
- Vitreous enamel panel
- Glazing, and
- Sunshades and louvres.

A detailed profile of the project will be included in a later issue of FORMAT.



Hospital, Melbourne



University, Melbourne

# BABEL

Three storeys have been added to Melbourne University's Babel building using lightweight, insulated Robertson Formawall panels supported by the existing structure.

Many times lighter than brick or concrete panel, Robertson insulated Formawall is also many times more efficient as a thermal and acoustic barrier – making it the perfect material for commercial building extensions or make-overs without the need for additional structural support.

The Babel building extension utilises 1,200 square metres of Formawall, supplied, installed and project managed by Robertson for architect Mark Gilling of Blomquist & Wark, and the head contractors Kane Construction.



Format is the journal of HH Robertson Asia/Pacific. For further information on any of the products or projects in this issue please contact your nearest HH Robertson Office.

- BEIJING +86 10 6597 3388
- SHANGHAI +86 21 6258 6230
- HONG KONG +852 2736 2070
- TAIPEI +8862 2705 0395
- SINGAPORE +65 255 1622
- BRISBANE +61 7 5591 0341
- SYDNEY +61 2 9439 3777
- MELBOURNE +61 3 9428 9330

[www.robertson.com.au](http://www.robertson.com.au)

**Robertson**  
BUILDING PRODUCTS AND SERVICES