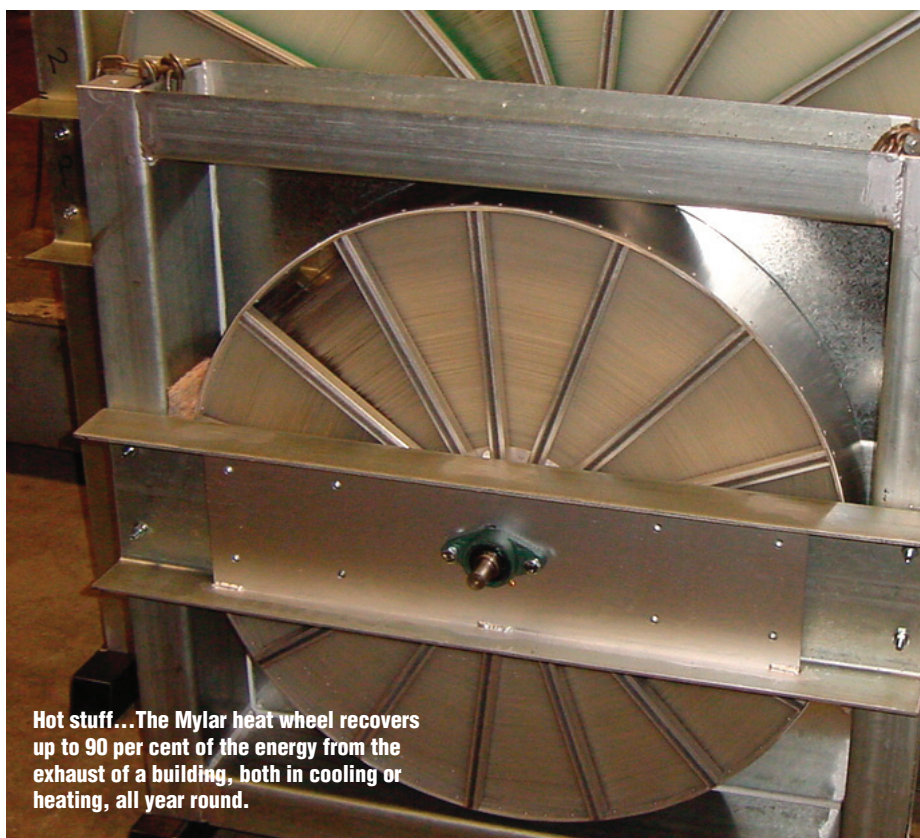


## CCN Heat Exchangers



**Hot stuff...**The Mylar heat wheel recovers up to 90 per cent of the energy from the exhaust of a building, both in cooling or heating, all year round.

wiring or high maintenance heat pump refrigeration equipment.

The heat wheel therefore minimises the use of electrical energy so that the bulk of the power consumed by the aquatic centre is able to be provided by the more greenhouse friendly and lower cost natural gas – resulting in a major reduction in greenhouse gas emissions.

Unlike other types of installations the Mylar heat wheel is ideal for economy cycle operation, when outside conditions are equal or better than indoor conditions during milder climates and simple natural ventilation would markedly reduce air conditioning energy consumption.

In this case the wheel is simply switched off allowing effective natural ventilation without the use of expensive bypass dampers and ducting.

This results in major energy savings as well as installation cost reductions. A further advantage of the heat wheel is the no-dust pick up qualities of the Mylar matrix, negating the necessity of high cost, high maintenance air filtration requirements of other systems.

This offsets the common problem that arises with long airflow path length of some plate type heat exchangers that cannot be cleaned if they become blocked by dust due to a neglect of filtration maintenance.

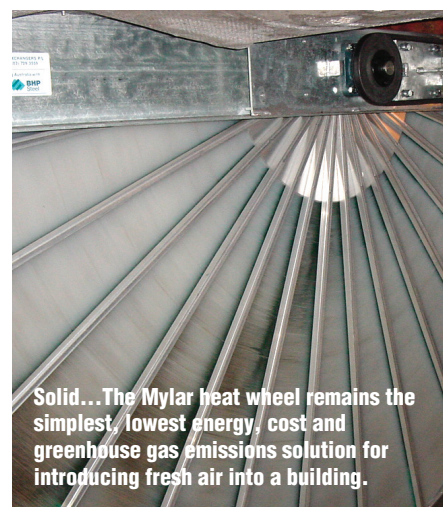
On 29 June 2005 Victorian State Minister Tim Holding launched the construction of the new \$33m Melbourne Fire Brigade Burnley Complex for training and community safety.

It was touted as a state-of-the-art, environmentally friendly facility employing the highest international standards of sustainable building design.

The progress of the building, – expected to house 200 staff – is well underway and expected to be completed this year.

The MFB's 1550 operational fire fighters, together with new recruits, will all undergo training at the complex. Its HVAC system uses three Mylar heat wheels for free, fresh air conditioning.

It was selected by the consultants and architects in keeping with the MFB and government's stated best practice energy efficient design and Environmentally Sustainable Design (ESD) policy.



**Solid...**The Mylar heat wheel remains the simplest, lowest energy, cost and greenhouse gas emissions solution for introducing fresh air into a building.

RHE is also a preferred supplier recommended by the Industry Capability Network (ICN) promoting Australian products while the Mylar heat wheel is registered as a green product under the State Government EcoBuy green products promotion program.

In a recent visit to Europe and Japan Ellul found no European or Japanese-designed heat exchanger could match the high performance and long life in aggressive environments that characterise the Australian Mylar wheel.

Japanese air conditioning engineers from their AIRAH and ASHRAE equivalent professional body expressed their concerns about the short expected life of their heat exchangers in aggressive pool environments.

Ellul said a 10-year warranty was comfortably provided with the heat wheel as a result of its proven 38-year history in Australian pools and buildings.

Enquiries; Tel: (03) 9729 3559, web: [www.rotaryheatexchangers.com](http://www.rotaryheatexchangers.com), email: [bill@ecopower.com.au](mailto:bill@ecopower.com.au)

### Going with the Dimpleflo

**D**impleflo Multitube Heat Exchangers, designed and manufactured in Australia by Teralba Industries have been upgraded to substantially increase design pressures.

Most models of Dimpleflo Multitube Heat Exchangers, produced on the shell and tube principle, now have a design pressure of 15 Bar or 212 psi.

Dimpleflo Heat Exchangers are highly efficient, incorporating unique Dimpled tube to provide a highly turbulent product flow path.

Applications for high-pressure Dimpleflo Multitube heat exchangers include:

- Heating CIP (Cleaning in Place) solutions with line pressure steam;
- Chilling products with directly expanded or flooded refrigerants;
- Production of high temperature water and sanitising fluids.

Built in accordance with Australian Standard AS1210 pressure code, Dimpleflo heat exchangers can be certified to international standards such as ASME.

Units can be constructed from a wide range of stainless steels, duplex alloys and titanium.

Available on short lead times, Dimpleflo heat exchangers are utilised in the food, chemical, beverage,

#### Upgrade...The Dimpleflo Multitube Heat Exchangers.



pharmaceutical, dairy and paper industries throughout Australia, New Zealand and South East Asia.

For further information, please contact Teralba Industries on: 1800 201 373 or fax: (02) 4625 4591

In New Zealand, please contact Aurora Agencies: Ph: + 61 7 847 5315 or fax: + 61 7 847 5316.