



Prime Minister opens new Windsor home



(Left to right): Windsor Managing Director Maurice Davies, NZ Prime Minister John Key and Windsor CEO Peter McKee.

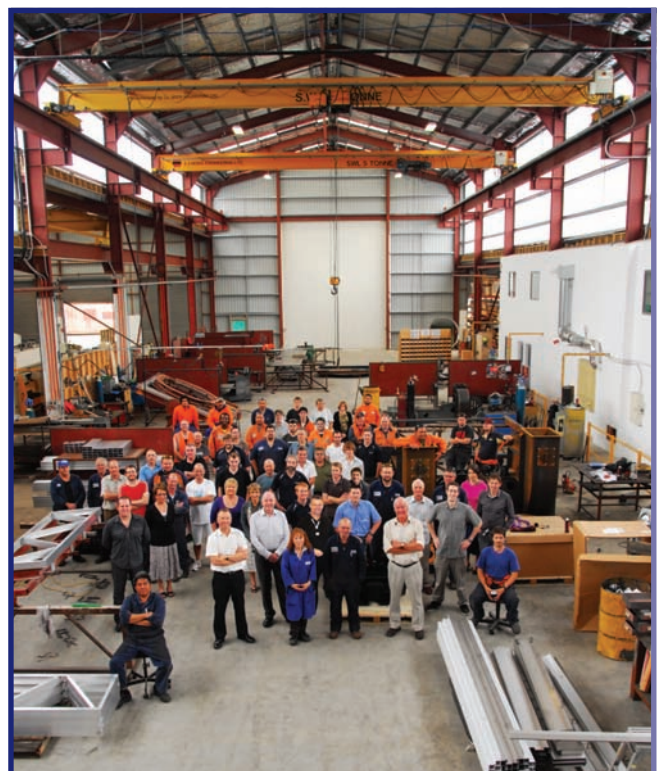
New Zealand Prime Minister John Key officially opened Windsor Engineering's new head office in March this year.

Located in Porirua, just north of Wellington, the custom-designed building features a large, open-plan engineering office, now home to the company's 22 project engineers and designers. The manufacturing facilities include two large bays, one of which has extra height to accommodate an eight-metre crane capacity to cater for Windsor's larger fabricated structures.

A decision to relocate from Grenada North after 35 years was inspired by the company's emphasis upon its LEAN manufacturing program. This process highlighted the benefits of a purpose-designed facility tailored to meet Windsor's current and future needs.

Prime Minister Key officially opened the new building before 200 clients, suppliers and guests. Windsor Managing Director Maurice Davies said we had been honoured to be among so many long-standing clients and friends.

"Windsor is now well positioned with our new building to embrace future projects and better support our clients," Mr Davies said.



Log conditioning chambers – flexible solution for plywood manufacturer



LCC-PT-14 Stainless Steel chambers have already resulted in big water savings for a Victorian plywood manufacturer.

Despite being hampered by some of the worst flooding in Australia for a century, the installation of two new Windsor LCC-PT-14 systems is now complete.

Now safely in place and conditioning logs for a Victorian plywood supplier, the LCC-PT-14 systems use low-pressure steam to warm and soften logs prior to peeling to make veneer.

Our LCC design proved to be a flexible solution as we could use the client's low pressure steam Re-boiler in place of the standard Windsor steam bath.

The Windsor double skinned, fully insulated wall and roof panel construction provides a thermally efficient design which saves energy compared to traditional concrete chambers.

All internal surfaces in Windsor LCCs are manufactured from stainless steel to counter concrete spalling and corrosion.

Using low pressure steam as the heating medium provides very even heating of the logs with no water staining.

The end result is a robust cost effective system which provides uniformly conditioned, clean and well presented logs to the lathe.

Windsor Project Engineer John Harper oversaw the project, which was commissioned in February this year by our Senior Engineer Malcolm Fredric.

"The project required careful consultation with the client to match log production against required capacity of the veneer line," John said.

The two systems have a total footprint of 34 metres in length and 10 metres in width, with each LCC holding up to 260m³ of logs.

"The client has told us they are very happy with the end product and its performance," John said.

'Bull' market for expanded mesh



Mazda BT-50 bull bar product

Ever wondered where all the expanded mesh IPSCO manufactures ends up? Odds are, on the front of a vehicle!

McKechnie Aluminium Solutions recently shared with Windsor its success in the motor vehicle Original Equipment Manufacturer (OEM) market with their 'bull bar' products.

McKechnie manufactures bull bars for Mazda, Ford and Nissan in Australia and have recently secured contracts for the new Volkswagen Amarok and Land Rover Discovery.

The IPSCO Metex products are integrated into the bull bar designs, which have been enjoying recent sales increases, particularly with the Australian OEM markets.

Windsor has strengthened its relationship with McKechnie Aluminium Solutions over many years, often purchasing significant volumes of aluminium product from the New Plymouth-based company. McKechnie also supplies Windsor with proprietary, high-strength aluminium extrusion used in kiln manufacture.



More drying capacity at Nelson Forest Ltd

Nelson Forest Ltd approached us to manufacture another kiln for its Kaituna mill in Blenheim, New Zealand.

In March we signed a contract to supply and install a new CTS-7-PT kiln with an extension of the existing Dryspec control system.

The kiln is single track and steam heated. Nominally 18.6 metres-long, it holds about 110m³ of timber which will be dried using accelerated conventional temperature schedules.

Project Manager, Windsor's Ryan Champion, said the design and manufacture was well underway and installation was scheduled to commence early July.

Windsor brings tower technology to NZ



Windsor now represent Evaptech's leading range of site-erected water cooling towers in New Zealand.

Recent successes include a replacement three-cell tower in Hawkes Bay and a substantial project for two eight-cell towers at a new Central North Island geothermal power station. Evaptech won this power station project from a quality field of international contenders.

The project will fully occupy Windsor's installation team throughout most of 2012 with the need for upwards of 45 field erectors on site at various times. Several more projects are currently being negotiated and Windsor sees many opportunities for bringing Evaptech's advanced technology to our shores.

This is by way of new towers and the rebuilding and upgrading of existing ones. These fully fibreglass towers are imported from Evaptech's global manufacturing facilities with Windsor coordinating project management and local installation.



Mark Robinson

Evapco Cooling Towers

Along with the Evaptech Large Cooling Tower product range, IPSCO also secured the exclusive NZ representation for Evapco Cooling Towers and Products during May 2011.

The Evapco range is one of the world's largest packaged cooling tower companies with a full range of galvanised steel, stainless steel and fibreglass products. IPSCO's Mark Robinson is the Product Manager representing Evapco Packaged Towers and Condensers and can be contacted at the Auckland office for any enquiries.

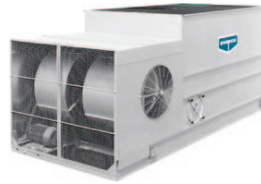
EVAPCO's Mr. GoodTower® program will also be launched by IPSCO which is a comprehensive parts and service program for all brands of existing evaporative cooling equipment. Maintenance, training programs, unit inspections, service, equipment upgrades, replacement parts and replacement units are all services provided with the Mr. GoodTower® service.



The Big AT



LRTF



LPT



AQX



MSS

Name change for Windsor Kilns - Australia

Windsor Kilns Pty Ltd has now changed its name to Windsor Engineering Group Pty Ltd. Windsor Chief Executive Officer Peter McKee said the new name better reflected the wider scope of Windsor's business offerings in the Australian marketplace. "The name change has not affected any other company details," Mr McKee said.

Windsor partnership cements success



The Robinson size 74 PW fan in final stages of manufacture and inspection by Windsor's 'Fan Man' Mark Holm (left) and Fabricator Callum Hunter.

The recent design and manufacture of a special combustion fan for Holcim (New Zealand) Ltd illustrates Windsor Engineering's capacity to form partnerships that create practical solutions. Holcim New Zealand, a leading New Zealand cement supplier, needed to increase the performance of its pulverised coal combustion system on Kiln 2 at its Westport site.

The fan needed to withstand the wear associated with abrasive coal dust together with relatively low air volume and high pressure. Windsor's fan company, IPSCO, called upon the expertise of its custom fan partner, USA-based Robinson Fans.

A large, slow running 132kw radial fan was engineered especially for the Holcim kiln. The fan impeller is 1900mm in diameter, but only 127mm wide and incorporates special replaceable wear plates on the fan blades.

Windsor's project and installation team will work with Holcim Project Manager, Craig Nixon, to remove the existing fan, lay out new foundations and install, align and commission the new fan.

Some of our guests from our recent opening

Top Left Picture: Basil Wakelin & Kevin Thompson. Top right picture: Rob and Mary-Alice Girardi (visiting from KDS, Ashville North Carolina, USA) join the Prime Minister. Bottom left picture: John Key with Guy Randell and David Parle. Bottom right picture: Windsor's Founder and Chairman Bill Studd with Murray Sturgeon (Nelson Pine Industries).

