

EMC PACIFIC – INVESTING IN OUR POWER INDUSTRY

The Australian owned insulator and bushing manufacturer EMC Pacific (EMCP) has recently completed a major upgrade to its Dandenong South manufacturing facility. This has included construction of additional plant and facilities and integration of new equipment as part of the company's largest investment to date.

Commenting on the upgrade, Andrew Sorensen, EMCP's Managing Director, said: "Our investment at Dandenong has substantially increased our capacity and has delivered quality advantages across our entire range of PH-CEP hydrophobic cycloaliphatic epoxy resin insulators and bushings. It was timely for us to invest in additional and flexible, low-cost capacity in Australia. We are now well positioned to meet demand surges and to supply growth in the domestic market thus reducing the Australian power industry's reliance on imports."

Established in 1996, EMCP operates a world-class, automated manufacturing facility and employs advanced epoxy resin materials and processes to design, engineer and manufacture superior line insulators, medium voltage cross arms, cut-out insulators, bushings and custom components. EMCP's new production plant has been constructed to adjoin the original plant at their 1.2 hectare (3.0 acre) manufacturing and head office site. The original plant building is now home to a new high output automatic curing oven and quality assurance/dispatch operations.



EMC Pacific Head Office - Dandenong



Outside completed additional plant



A new High Output Automatic Curing Oven



A production line in the new plant

Integrated within the new area of plant are streamlined and automated production processes, supplied by one of the world's most advanced automated material mixing and delivery systems. In contrast to the APG pressure vessel casting process which is still widely used, EMCP has integrated a new vacuum mixing, ring main delivery and two-component metering system with direct injection. This technology permits improved cycle times and enhanced product properties thanks to precise control of the gelation process through consistent reactivity, temperature and viscosity of the epoxy injected into each mould. This provides excellent control and repeatability ensuring uniform, void free quality.

The combination of the high tech material delivery system and the enhanced curing oven places EMCP at the forefront of CEP production technology globally and opens up new dimensions in terms of quality and low cost production.

The company places the utmost importance on being able to support their clients with the advantage of prompt local manufacture and supply, which has been well recognised for providing a best fit to the often fluctuating project and purchasing needs of the Australian Power Industry. In times of high demand or in support after natural disasters, EMC Pacific has been able to react quickly, working around the clock to provide rapid volume supply to electrical utilities when most in need. Proudly, EMC Pacific's insulators have continued to contribute excellent resilience and reliability in their exposure to bushfires, extreme wind events and high lightning areas, each being challenges of our Australian environment and conditions in which lesser products have been known to fail. These considerations combined with an OH&S preferred product weight (in the order of half that of equivalent sized porcelain products) has contributed to strong support from the Australian electrical industry, including development partnerships with utilities and original equipment manufacturers seeking proprietary moulded electrical product solutions.

EMCP's investments continue to provide exceptional value to the medium voltage power industry through the combination of local innovation and solutions, world best practices, direct factory support, and leading PH-CEP hydrophobic polymeric resin insulator and bushing technology.

EMC Pacific welcomes your enquiry:
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