



# PROBLEM SOLVED™ PAPER

**SOLUTION:** MartinPLUS® Services

**INDUSTRY:** Coal-Fired Power

**LOCATION:** Millmerran  
Queensland, Australia



*Coal-handling conveyors at the new Millmerran Power facility incorporate belt cleaners supplied by Martin Engineering's Australian licensee.*

## PROBLEM

This new “greenfield” power plant was developed and designed by Bechtel. Its coal-handling systems were engineered and supplied by FMC Technologies’ Material Handling Systems group, with construction handled by an Australian contractor.

The high-speed, high-volume system is designed to handle 1500 mtph of coal on 54- and 72-inch (1372- and 1828-mm) belts. Conveyors move coal overland approximately a mile from the mine through crushing and stockpile operations to the boiler feed silos.

Coordinating the specification, design, supply, installation and commissioning of belt cleaning systems for the conveyors in this multinational project posed a challenge.

## SOLUTION

Martin Engineering Projects Group coordinated the efforts of Martin Engineering’s global network to meet project needs. A key to the success was encouraging the USA-based engineering and fabrication firms to rely on the expertise of Martin Engineering’s Australian licensee, Engineering Services & Supplies (ESS).

In Australia, ESS proposed belt cleaners to meet the specific requirements of the project’s conveyors. Included in the equipment supplied were DT1 Cleaner XHD and Martin® In-Line Secondary Cleaners with tungsten carbide blades. ESS also supplied appropriate tensioners, tail pulley protection plows, and Martin® Steel Inspection Doors.

Even coordinating site visits to review installation of belt cleaners across the five corporate entities—Martin Engineering, ESS, Bechtel, FMC, and the construction firm—proved a little tricky. But the global network of Martin Engineering maintained lines of communication to meet project requirements on time and on budget.

## RESULTS

Millmerran Power Project went on line as scheduled, and was dedicated in January 2003.

Martin Engineering Projects Group and Engineering Services & Supplies worked closely to meet project requirements, across corporate lines and international borders. Bechtel and FMC worked closely and successfully with ESS in Australia. All now recognize the value of utilizing a supplier’s global network as a resource on multinational projects.