



## In-House and On-Site Hydraulic Repairs for the North West Metro Project

*Pacific Hydraulics was contracted by Impregglio Salini to provide hydraulic expertise and undertake a variety of in-house and on-site repairs as part of the North West Metro transit link project.*

The North West Metro is a new light-rail transit link currently under construction that will run from Sydney North West region, under Sydney Harbour, through to new underground stations in the CBD.

The Impregglio Salini Joint Venture was awarded a \$340 million contract to complete the surface and viaduct works for the North West Metro including constructing a four-kilometre elevated sky train between Bella Vista and Rouse Hill, as well as a 270-metre cable bridge crossing Windsor Road near Rouse Hill. Impregglio Salini contracted Pacific Hydraulics Sydney for a range of in-house and on-site hydraulic service and repair work for the project due to our strong technical expertise in hydraulic repairs and our specialisation in servicing all kinds of Danfoss components.

Some of the repair work conducted by Pacific Hydraulics Sydney included:

- In-house repair of various hydraulic pumps and gearboxes
- On-site diagnostics & field repair of the Salini straddle carrier and two lifting machines

The repair work was carried by our experienced and fully qualified Sydney branch team of hydrostatic technicians with have over 30 years' experience in the field.



### IN-HOUSE REPAIRS

Impregglio Salini required the repair of a range of Danfoss 90 Series pumps, Danfoss 90M042 motors, as well as a Renold motor gearbox combination. These components were repaired in-house at our fully equipped service workshop located in Seven Hills.

The components were first stripped and assessed and then a service report as well as an itemised quote was provided to Impregglio Salini prior to repair. The components were repaired in shortest time frames possible – the pumps were repaired within 1-2 days and



the gearbox motor combination was repaired within 2 weeks. The repairs were conducted adhering to Pacific Hydraulics' strict quality control procedures, and were tested using the branch's 160kW closed and open loop pump and motor dedicated test rig.

#### ON-SITE SERVICE & REPAIRS

Impreglio Salini also contracted Pacific Hydraulics Sydney to carry out on-site diagnostics and repairs to their Salini straddle carrier and two lifting machines. Pacific Hydraulics Sydney has a fleet of fully equipped service vehicles and highly skilled mobile service technicians whom bring the expertise to be able to conduct on-site repairs, removal of the components for in-house workshop repairs, or replace components on-site.

A Pacific Hydraulics on-site field service technician attended the Mulgrave site immediately after being contacted by Impreglio Salini whom reported control problems on their Salini straddle carrier. The Salini straddle carrier uses a hydraulic system to lift and transport large concrete pieces. The major hydraulic components within the closed system were Danfoss components.

The EDC electronic controller on the straddle carrier was

first inspected and tested on the pump. Our on-site field service technician discovered contamination within the system. Still on-site, the technician thoroughly cleaned the controller and re-tested it to ensure that it was working as it should and had the straddle carrier up and running again within 1 day.

The two Lifting machines also required on-site diagnostics and repairs as they were not driving. Again the machines were tested on-site by calibrating the gauges and flow meters and our field service technician discovered that a new Danfoss pilot control valve was required. Our technician was able to replace the unit and re-test the machines within 2-3 days. The replacement Danfoss pilot control valve also came with a one year warranty.

#### THE DANFOSS SPECIALISTS

Pacific Hydraulics is proud to be Australia's No. 1 Danfoss service and supply centre. As the No. 1 stocking distributor, Pacific Hydraulics offers a wide range of Danfoss hydrostatic transmissions, orbital motors, valves, hydrostatic steering systems, and mobile electronic controls, as either components or integrated systems.

Pacific Hydraulics also service all of these components, and can assist in updating to newer and more efficient models.

Pacific Hydraulics has been providing the highest quality hydraulic products, service and repair to the Australian mining, industrial and mobile hydraulics industries for over 25 years. We are proud to be 100% Australian owned and have a network of branches fully equipped and staffed by our expert technicians to assist you with all your hydraulic needs.

***Talk to Pacific Hydraulics today to discuss your service and repair needs. Call us on 1800 644 511.***

