

# Equinix Data Centre

■ Alexandria, New South Wales, Australia



Equinix, one of the world's largest data centre service providers, requires strict compliance with design and construction guidelines to maintain its global standard. The Equinix Data Centre in Alexandria had a project scope involving managing the finalization of design for the 18,000m<sup>2</sup> facility while fast-tracking the construction approvals and delivery activities. The construction schedule was less than 12 months including commissioning.

From the start both Sydmech (Chilled Water Contractor) and Brown & Moodie (Condensing Water Contractor) were challenged by the schedule. Using Victaulic products to mechanically join pipe was the only way the pipework could be delivered on time. The pipework for the chilled and condensing systems was installed in half the time of conventional joining methods.

The majority of pipework was cut and grooved in the Sydmech and Brown & Moodie workshops and delivered to site ready for installation. Pump sets were bagged, tagged and delivered to the pump skid making material handling and assembly fast.

Additionally, Victaulic products for pump dressing, including suction diffusers, valves and fittings, allowed for a reduced footprint and increased space savings in the mechanical room, and ease of future maintenance by reducing the number of fittings around the pumps.

#### FACILITY TYPE:

Data Centre

#### MARKET:

HVAC

#### VICTAULIC SOLUTIONS:

Compressed Construction Schedules  
Ease & Speed of Installation  
Ease of Maintenance  
Reduced Footprint  
Tight Timeline  
Union at Every Joint

#### OWNER:

Global Switch

#### CONTRACTOR:

Sydmech/Brown & Moodie

#### ENGINEER:

Aurecon

#### COMPLETED DATE:

2011

#### SPECIFICATIONS:

SERVICES:	PIPE MATERIAL:	PIPE SIZE RANGE:
Chilled Water	Carbon Steel	2½ - 14"/65 - 350mm
Condenser Water	Stainless Steel	2½ - 14"/65 - 350mm