

PROJECT PROFILE

Name: **WARRAGAMBA DAM DEEP WATER ACCESS**

Owner: Sydney Catchment Authority

Client: Boulderstone Hornibrook

Project Description: Design, supply, installation and commissioning of HV, MV, LV, Instrumentation & control systems associated with the establishment of the Deepwater Access Pumping Station at Warragamba Dam

Site Location: Sydney, New South Wales

Year Completed: 2006



Scope of works included the design, supply, install & commissioning of :

- 132 / 11kV Zone Substation including a 132 / 11kV 25MVA transformer and 3 x 11 / 0.433kV 500kVA auxiliary transformers
- 11kv main switchboard.
- 2 x 11kV Feeders to the Pumpstation site. Route length is 1.2km and is a mixture of overhead and underground cabling.
- 2 x 11 / 6.6kV 7.5MVA Transformers and 1 x 6.6 / 0.433kV 500kVA auxiliary transformer.
- 6.6kv main switchboard.
- 4 x 6.6kV 2400kw variable speed drives.
- LV Switchboard and MCC.
- Underground / aboveground cable reticulation systems.
- MV, LV, Control & instrument cabling associated with 4 x 2400kw pumpsets and associated pumpstation ancillary services (cooling pumps, sump pumps, ventilation systems etc).
- PLC / SCADA system and associated control panels.
- General light & power installation for the underground pumpstation and aboveground control buildings.
- Communications and fibre optic networks.
- Fire & Security systems.

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<i>Key Project Personnel:</i>	Frank Kelleher – Project Manager Steve Brien – Construction Supervisor John McInerney – Construction Supervisor
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<i>Quality Standards Applicable</i>	ISO 9001
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