

DESIGN - MANUFACTURE - INSTALL



COMPANY OVERVIEW



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AWMA PTY LTD COMPANY PROFILE

AWMA design, manufacture and install quality aluminium and stainless steel water control infrastructure. AWMA's product range includes penstocks, flood gates, stop boards, bulkheads and trash racks. All products are custom designed to our client's specifications and each contract is individually project managed.

AWMA service all sectors of the water industry including Water treatment, Waste water, Commercial, Industrial, Mining, Irrigation, Environmental, Coal Seam Gas, Recycled Water and Desalination. Over the last decade AWMA have installed in excess of \$70M worth of purpose designed water control equipment for some of the country's largest infrastructure projects.

The experience gained in completing these projects has made AWMA one of the largest and most experienced penstock manufacturers globally.

For further information please visit:

[WWW.AWMA.AU.COM](http://www.awma.au.com)



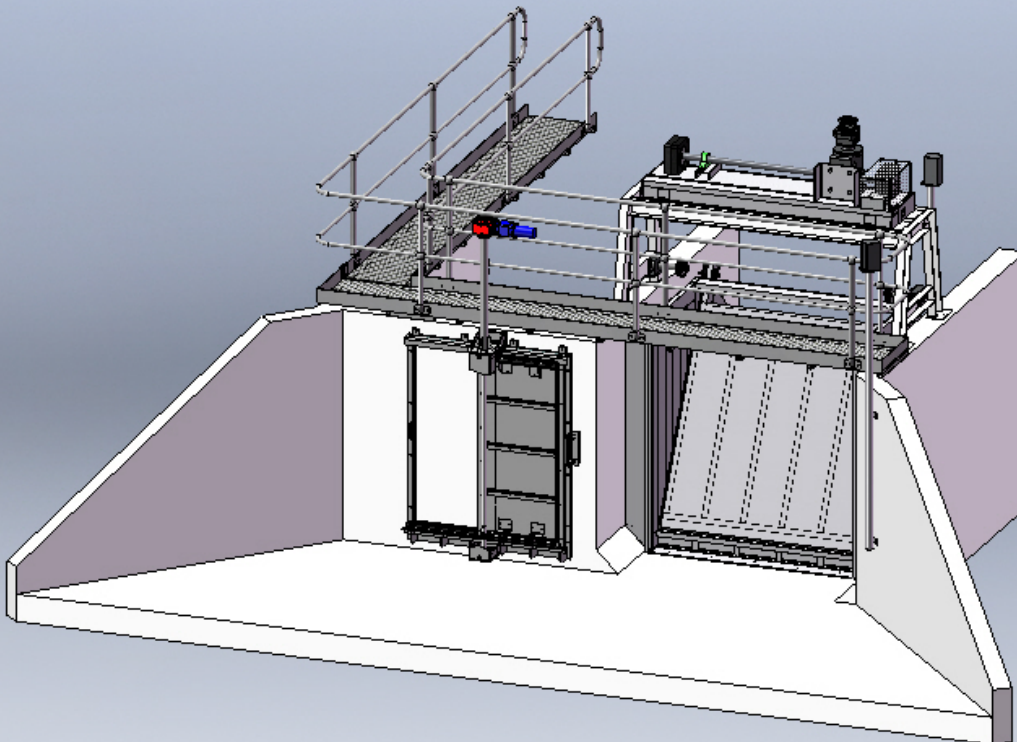
PROVEN DESIGN METHODOLOGY

AWMA's products are designed in-house by an experienced team of engineers and draftsmen. Utilising what is regarded as the industry's best 3D design software, projects can be graphically demonstrated to clients, showing the full functionality and associated benefits of the product design before the manufacturing process even begins.

AWMA capitalise on experiences gained across every facet of the industry to ensure all designs exceed industry best practice, to provide the most successful and comprehensive solution, tailored to meet individual project requirements.

AWMA design considerations include:

- Reducing OH&S risks
- Improving ease of operation
- Accurate measurement capacity
- Simplification of the installation process
- Factory fit-out to maximise the integrity of the structure
- Minimising civil works and associated costs, through retrofitting to existing civil structures
- Reduced "whole of life" cost though low maintenance requirements
- Energy efficient actuation systems with low maintenance
- An open and expandable software and hardware platform
- Compliance with Australian and industry standards



OPERATIONAL MAINTENANCE

AWMA's design concepts support industry best practise for operational maintenance requirements. It is evident that vital maintenance support and easy access to spares or replacement parts can reduce down time, subsequently minimising whole of life costs.

AWMA gate designs include many operational and maintenance considerations which result in beneficial features such as accessible seals to allow maintenance under operating conditions.

AWMA provide a full onsite maintenance service if required.

PROJECT MANAGEMENT

Our extensive project management capacity is renown throughout the industry.

Examples of project specific communication that will be included as part of our standard practice are:

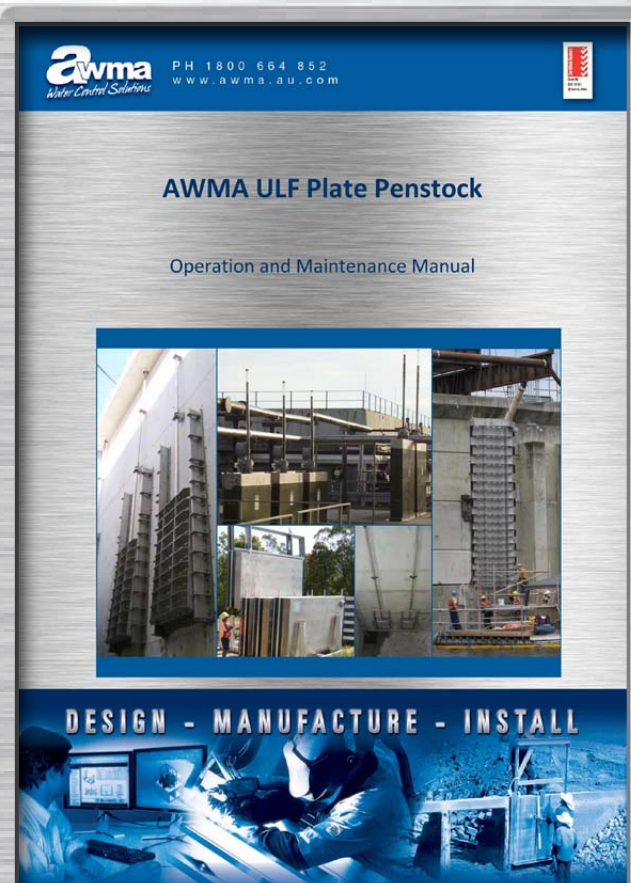
- Documentation created, recorded and communicated in accordance with client requirements.
- Communication of contract specific quality assurance to subcontractors and suppliers to ensure compliance.
- AWMA project management teams provide detailed weekly reports, monthly reports and production schedules to clients.
- Full transparency and traceability for all products supplied in line with the Material Data Report.

Victorian Desalination Project (VDP) MDR - Shop logs 20070

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QUALITY MANAGEMENT SYSTEMS

AWMA IS ISO 9001:2008 ACCREDITED.

Below is an excerpt from an audit report conducted during the contract to supply Super Duplex Stainless Steel (SAF 2507) penstocks and stopboards for Sydney's Desalination Plant, one of the industry's highest specified water projects in Australian history.

"The audit scope was to look at the performance of the fabrication facility for supplying the stainless steel penstocks and stopboards in accordance with the specification requirements and reviewed and approved in-house documents. Testing data, certification, product delivery, materials suitability, control of subcontracted work, calibration and make-up of MDR documentation were all investigated in the time available.

As a result of the audit trail it was evident that the level of workmanship and attention to detail within the AWMA facility is of a high standard with personnel committed to providing a product that meets the expectations of the client."

Sydney Desalination Plant

BlueWater Independent Quality Inspector

In addition to the above audit, AWMA demonstrated consistent quality control by the receipt of zero non-conformance reports for the life of the project.



FABRICATION

All fabrication takes place in AWMA's dedicated non-ferrous facilities in northern Victoria, Australia. AWMA have developed comprehensive in-house welding procedures, qualifications and inspection capability. These strict internal standards have been developed from experience gained during the construction of some of Australia's largest water infrastructure projects.

AWMA's weld procedures and testing are developed from:

- AS1554.6 Stainless Steel
- AS1665 Aluminium

All welding is carried out by experienced and qualified tradesmen with the most modern equipment commercially available.

AWMA's quality assurance program, incorporating welding and fabrication, is certified to ISO 9001:2008.



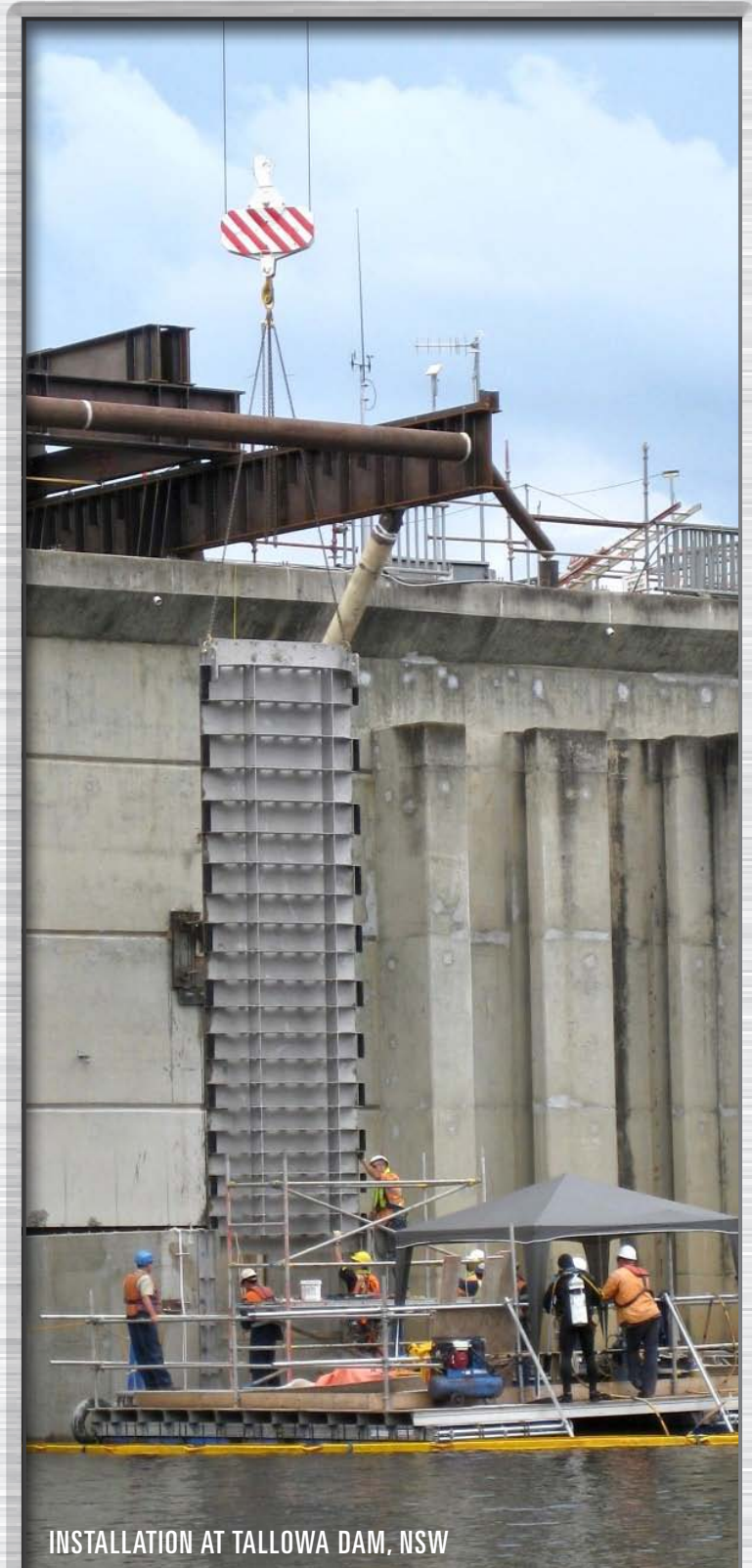
INSTALLATION CAPACITY

AWMA's capacity for installation is one component that uniquely differentiates them from competitors. AWMA's logistical understanding and interface with an ongoing construction program has been proven across a wide scope of industry projects.

AWMA's dedicated installation team have been a driving force behind their success within the industry. They have successfully installed in excess of 6,000 control gates covering all sectors of the Australian water industry, across wide geographical areas, overcoming challenging project obstacles.

All team members are fully endorsed for commercial construction work and operate under a range of industry accreditation. AWMA's installation crew utilises the most up to date installation technology and tools available.

AWMA infrastructure is designed specifically to support low risk installation. In conjunction with client requirements, AWMA offer not only, a comprehensive installation service but also the option for supervision, certification and inspection services. AWMA's involvement in the installation process greatly reduces associated risks.



INSTALLATION AT TALLOWA DAM, NSW

TESTING FACILITIES

AWMA are leading the industry in providing accountability for water control infrastructure and are continually developing gate designs to remain ahead of industry demand. This initiative led AWMA to develop 'FlowLab', a purpose built testing facility, to support full compliance of water control infrastructure in a rapidly extending and dynamic marketplace.

AWMA welcome the opportunity for clients to inspect our dedicated facilities and specialist resources including our unique FlowLab and the hydrostatic test equipment. Our facilities have been specifically designed to test a variety of flow control devices including large, high head penstocks under true operating conditions up to 30m.

