

## EXTENDING SERVICE CAPABILITIES

AWMA specialise in providing customised, integrated solutions for water management projects. The innovative solutions are based on 16 years of proven designs and industry experience. Strict internal processes (developed in conformance with ISO 9001) and on-site testing facilities, allows AWMA to supply these custom products with minimal risk to the client.

Ongoing, sustained growth has given AWMA the opportunity to upgrade plant and equipment, employ specialised staff and maintain comprehensive quality standards.

Recent enhancements to our service capabilities include the purchase of a hydraulic brake press machine. Commissioned to meet AWMA's exact requirements the 350 tonne capacity machine includes customised tooling to allow AWMA the ability to form

a range of aluminium and stainless steel sections in-house, significantly improving our ability to respond to challenging client lead-times and eliminate contamination of non-ferrous metals.

To ensure AWMA's product quality is maintained, AWMA have appointed a new Quality Supervisor to support the company's expansion. Paul Longstaff joins the company to oversee the design, manufacture and installation processes to ensure clients receive water control equipment of the highest standard. Paul will support staff to ensure all products are inspected, tested and ready for operation. The appointment of a Quality Supervisor reinforces the importance AWMA place on reducing risk for the client, asset owner and operator.

*Pictured is trained operator, Darren Sherlock.*



# GENERALLY SPEAKING

AWMA recently participated in a number of national and international conferences and exhibitions including AWA's Ozwater, Irrigation Australia, Irrigation NZ and Floodplain Management Australia. These events provided an excellent opportunity to network and share experiences.

There is always the social side, catching up over a beer with people you haven't seen in a while which is excellent, but when we combine this with learning opportunities it makes these gatherings invaluable.

The exhibitions promote new technologies and services that will benefit operations. It is amazing the 'experience' that can be gained from general conversation. There is usually someone else out there who is doing something similar, or has the same challenges as you.

Sharing conversations at these functions generates and distributes valuable information that will reduce learning curves and should result in improved sustainability of project or operational outcomes, globally.

Thanks to the industry groups and associations involved in facilitating these opportunities and to all attendees for participating and adding value to the circle of knowledge and experience.

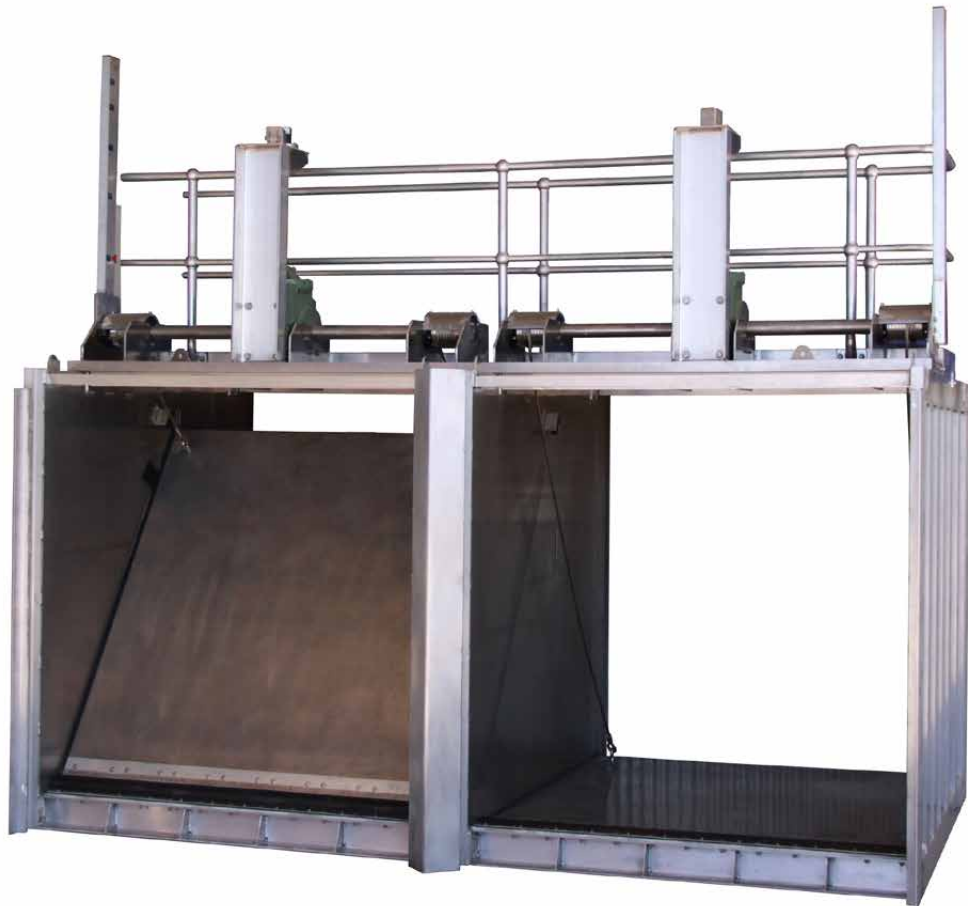
Keeping the communication on-going, for more than the few days of the conferences, further extends the value of these events.

The next structured opportunities AWMA will be participating in is Australia's ANCOLD/NZSOLD in Adelaide and internationally WaterNZ in Rotorua. However, we'll be doing everything we can to promote improved communication within the industry on a day to day basis.

Now with sales representatives based in Sydney and Melbourne AWMA look forward to catching up with you soon.



**Brett Kelly**  
Managing Director



## LAYFLAT TO IMPROVE FISHERIES AND LIVELIHOODS IN LAOS

AWMA liaise with many international organisations regarding the development of innovative water control solutions that are feasible, efficient and promote environmental sustainability.

The multibay LayFlat gate pictured above, was recently exported to Lao PDR as part of an investigative study in partnership with Fisheries NSW, funded by Australian Centre for International Agricultural Research (ACIAR).

The LayFlat is part of a five year project conducted by the National University of Laos and the Living Aquatic Resources Research Centre, to improve fish migration in and out of wetland breeding grounds, off Laos' Mekong River.

Fish are essential to sustain the diet and industry of those living along the Mekong.

AWMA's 'fish friendly' LayFlat gates will replace traditional undershot regulators which have been compromising fish populations for many decades.

Ensuring irrigation structures provide safe fish passage is essential for sustainable fish populations.



The new LayFlat gates will operate alongside a recently constructed wetland fishway at Pak Peung, ensuring an integrated approach which enables fish to safely enter and exit the wetland.

The Pak Peung fish passage project will be showcased at an international fish passage conference to be held in Laos later this year. It is anticipated the trial will lead to a more comprehensive program along the length of the Mekong.

# AWMA LAUNCH FLOOD FREE

AWMA are excited to announce 'FLOOD FREE' - a new range of innovative flood barriers, floodgates and flood control equipment. AWMA's range of flood risk mitigation equipment is designed, manufactured and installed to meet site specifications and operational requirements. The turn-key solutions provide peace of mind that you can be protected with manual, remote, automated or automatic flood defense systems when and where you need it.

**AWMA's range of FLOOD FREE, flood defence solutions incorporate, but are not limited to:**

- Flood Gates
- Flap Gates / Backflow Prevention Devices
- Demountable Flood Barrier
- Concealed Flood Barrier
- Retractable Flood Barrier
- Tilting Flood Barrier
- Portable Flood Barrier
- Customised Floodgates
- Self-regulating Tidal Gate

## NEW CONCEALED FLOOD BARRIER

The AWMA Concealed Flood Barrier is an innovative product that utilises the principles of buoyancy to raise the flood barrier ahead of rising floodwaters. By utilising the natural buoyancy of the gate, the system deploys automatically without the need for external power or controls.

As pictured below, the FLOOD FREE Concealed Flood Barrier protects the basement of this Sydney apartment building from flood and storm water intrusion.

This self-closing flood gate measures 6000mm wide x 1300mm high, however the design is fully customisable to suit any size opening.

The Concealed Flood Barrier automatically rises vertically, from underground, once waters reach a predefined level. Fully extended, the flood gate is designed to withstand the nominated maximum flood level, with resilient seals for effective water isolation.

Components include integral end frames for connection to adjoining walls.

Audible and visual warning systems are also available.



## PROTECTING CORPORATE INFRASTRUCTURE

An international services company, located on the Brisbane River, engaged AWMA to custom design and manufacture flood barriers that will isolate their corporate offices during flood events.

Frames for AWMA's Demountable Flood Barriers were installed at the basement level, door entry points. Barrier segments are then manually inserted, quickly and easily when required, to protect the doorways from rising flood waters.

Frames were also installed around the external switchboard air vents. Manual flood gates can then be immediately installed to isolate the vents.

AWMA's range of FLOOD FREE products include many options to protect corporate offices, car parks, assets and staff from flood and storm water intrusion.



## LARGE RADIAL GATES

*A new benchmark has been set with the successful commissioning of AWMA's largest Radial Gates.*

The twin Radials measure 5m wide x 6m high and are constructed from epoxy coated mild steel. The Radial gates are designed to withstand flood and sediment loading totalling 1.2 MN and were fabricated for flat pack transportation and reassembly on site. These gates are operated via SCADA however, numerous automation and control options are available.



# RECENT PROJECT GALLERY

INNOVATIVE - CUSTOMISED - SUSTAINABLE



FLOOD | ENVIRONMENTAL | IRRIGATION | WATER TREATMENT | DAMS | ENERGY & RESOURCES



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