



halgan pty ltd
halgan.com.au



- ▶ PRODUCTS
- ▶ CAD REVIT DRAWINGS
- ▶ APPROVALS
- ▶ CATALOGUE & TECH MANUALS
- ▶ LATEST NEWS
- ▶ PREFERRED PLUMBER

HI,

The year has started upbeat and optimistic, we're thrilled to not only having a new facility in Sydney's western suburbs, but can't wait to show it to everyone at our open day. We're also excited to be teaming up with TAFE NSW to provide a Trade Waste course that's eligible for CPD points with the AHSCA. Plus there's new approvals, new installs and some great product information for those who are interested in our pump range. It's also a busy month with British Water's FOG Conference where we're both exhibiting and Kerry's presenting a paper.. we'll keep you posted on how all of that goes and much more in the year ahead!








Trade Waste Course 20th Feb
followed by Open Day 21st Feb
10 Davis Road, Wetherill Park






We've been talking about the latest facility we have at Wetherill Park in Western Sydney, and now it's time to come and explore!

Wednesday 20th February we kick off with a Trade Waste training day in conjunction with TAFE NSW. It's from 8:30 - 4:30 includes morning / afternoon tea and lunch, plus the big draw card is AHSCA NSW is allocating 8 CPD points for the day. Book in asap to reserve your space with joel.brooks@halgan.com.au

Then on Thursday 21st February we have a big brekky starting at 7am, followed up with a hamburger truck, prizes, games and some trade displays on site, including Wilo, EJ Australia, Rehau and iTreat.

The sales and support team from all over the country will be on hand for any questions, queries or just a general chat. Register with monica@halgan.com.au and see you at 10 Davis Road Wetherill Park!



Howard Smith Wharf

The \$200 million restoration of the heritage-listed Howard Smith Wharves in Brisbane opened at the end of last year. It has been six years in the making involving a team of more than 800 people and includes a multitude of Halgan products installed over a number of years by Hollywood Plumbing who is a long standing support and installer of Halgan™. The new precinct has transformed the area and enables both pedestrian and cycle connections to link the city centre with Riverwalk at New Farm. Eighty percent of the precinct is dedicated to open public space, and there is an exhibition space in the centre where the cliffs can be viewed from the river.



Clarence Correctional Centre

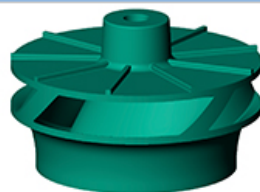
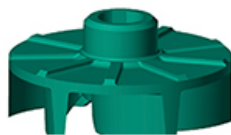
The construction of the Clarence Correctional Centre, southeast of Grafton, is a \$560 million injection into the economy with long term local opportunities through various goods and services. The NSW Government development began last year and is expected to be completed by 2020.

It is one of the largest correctional facilities in Australia, and a variety of large volume Halgan™ products will be installed by John R Keith Plumbing (bought through Harvey Norman Commercial Division NSW). It's already provided up to 1,100 construction jobs and 600 operational jobs have been created.

email ben.scalzo@halgan.com.au

email joel.brooks@halgan.com.au

wilo



What's what with Impeller Pumps

The impeller is the heart of a centrifugal pump, and facilitates the transfer of energy from the motor to the fluid, which accelerates the water through the pump. The impeller creates this by transferring the energy provided by the motor into the fluid, accelerating it outwards from the centre of the rotation. Because the accelerated fluid is confined in a pump casing, velocity is created and transferred into pressure, causing the water to move through the pump.

Impellers are typically short cylinders made up of an open inlet (called an eye) which accepts incoming fluid, vanes that transfer the energy to the fluid, and a bore that connects to a drive-shaft.

There are four main types of impellers, firstly the **Open single-channel impeller**, for pumping sewage, drainage, mixed water and raw or digested sludge. The OSC impeller utilises a steep hydraulic curve allowing for use in a variety of different fields of application including sewage drainage, pumping mixed water or raw and digested sludge. OSC impellers have the capability to function with a relatively small motor creating cost and operational energy savings. Designed for non-clog operation in sewage, OSC impellers shouldn't be used in applications involving long fibres or gaseous fluids.

The **Closed single-channel impeller** is for pumping sewage, drainage, mixed water and raw or digested sludge. The CSC impeller has similar advantages and disadvantages as the OSC impeller when used in a similar application. The difference between the two is that the CSC impeller has increased efficiency due to the optimised inlet on the suction side. Another major advantage compared to the open single-channel impeller is ease of servicing. CSC pumps are easier to service as the position of the impeller is fixed inside the hydraulic body and does not need to be readjusted after servicing.

The **Vortex impeller** is used for pumping untreated raw sewage, mixed water or activated sludge, and creates a vortex for energy (similar to the phenomena caused when you remove a plug from the bath, or in a whirlpool). This means when entering the hydraulics the fluid flows into the vortex creating the energy transfer which accelerates the fluid. Since the fluid has less contact with the vanes, vortex pumps require less maintenance and clog less, prolonging service life. Although vortex impellers have lower hydraulic efficiency than channel impellers the large free ball passages in their hydraulic design allow for reliable installation even with solid matter concentrations of up to 8%.

These impellers are ideal for pumping fluid which contains long fibrous material. Finally, **Closed multi-channel impellers** are used for pumping slightly dirty, re-cleaned fluids without fibrous particles e.g. activated sludge and rainwater. CMC impellers offer a balanced design which allows for both smooth operation and a highly efficient mechanical treatment of fluids. In applications that include processing of raw sludge, there is always a risk of blocking the blade channels but since most of the multi-channel impellers hydraulics only start at bigger nominal diameters the risk of blocking is reduced. When using CMC impellers gaseous liquids should be avoided due to the closed design of the impeller creating more contact between the fluid and the vanes.

For more information on any of our pump range email barrie@halgan.com.au



Around the traps



Approval in the West

W.A.'s Water Corporation has approved the OWHS from 1000 litres to 5000 litres.

The Halgan™ Oil Water Separator is a pre-treatment device designed to help customers meet the license requirements of Environmental departments and authorities.

It's certified to AS/NZ1546.1 and designed to BS EN 858 - 1 and BS EN 858 - 2. It is manufactured using AS Compliant Polyethylene which is acid and hydrocarbons resistant providing long service life, and is light weight for ease of handling, installation and maintenance, plus there is a patented servicing channel for maintenance.

Putting a Stop to Pollution

As a manufacturer, and working with local councils, we know first hand the dangers of run-off and pollution into the waterways, which is why we are actively working to combat it at our factories by installing Gross Pollutant Traps. Ranging in size from 1000 litres up, the Halgan™ Gross Pollutant Trap is designed to catch litter, coarse sediment and silt from entering stormwaters and waterways, improving the quality of runoff that goes into the lagoons, beaches and waterways around. It's a little bit we can do at our end so everyone can enjoy clean water ways at the other end!

Fighting FOG in the UK

Halgan's Founder, Kerry Hall is presenting at British Waters 'Fighting the Fatberg' Fats, Oils and Grease (FOG) Conference in Bedford, U.K., later this month. As part of the AWA's Trade Waste Group, Kerry will be discussing Australia's approach to FOG management and strategies we use to treat the problem. Halgan™ is also an event sponsor and will be sharing all of our products that have been so successful in Australia with the UK industry. It's a great opportunity to explore the latest innovation and best practices available and compare what's on offer.



BRITISH WATER
expertise worldwide



DEB BOHEN

NORTH QUEENSLAND - BUSINESS DEVELOPMENT MANAGER

It's great to welcome Deb Bohen to our Queensland team, she has been in the industry for a number of years now, and is no doubt a familiar face to many! In 2012 she worked closely with Water Authorities and Councils across Australia and New Zealand on backflow prevention solutions within storm water systems. Deb expanded into R&D with the development of a composite access cover range being gas tight and water tight all the while enjoying the excitement of meeting the AS3996 and testing process.

Following this she moved into a new role expanding into drainage and trade waste solutions. In this role Deb focused on projects and future prospecting with presentations to consultants within the industry.

Deb has joined us with a thirst for knowledge and a strong belief in the development of water treatment, customer service, innovation and environmentally friendly products.

Catch up with Deb on 0426 962 429 or email deb.bohen@halgan.com.au

Members & Associations



free call
1800 626 753

Our Partners Worldwide



22 Ethel Avenue, Brookvale
New South Wales 2100

Phone: 02 99398030
Fax: 02 9939 8027

10 Davis Road, Wetherill Park
New South Wales 2164

141 Magnesium Drive, Crestmead
Queensland 4132

Phone: 07 3208 8339
Fax : 07 3803 6547

email info@halgan.com.au



[UNSUBSCRIBE](#) | [UPDATE DETAILS](#) | [PRIVACY POLICY](#) | [WEB VERSION](#)