



## AUSTLINE FABRICATIONS

COST EFFECTIVE METAL  
FABRICATION AND INSTALLATION,  
DELIVERED WHEN YOU NEED IT



# RESOURCES

## MINING & INDUSTRIAL CAPABILITY STATEMENT

### FABRICATION / INSTALLATION UPGRADES / MAINTENANCE

#### MINING

Austline has been supplying mining equipment to the Australian resources industry since 2005 and is renowned for the fabrication of quality products delivered when you need it. Austline's experienced team can deliver replacement parts, provide damage repair, upgrades or newly fabricated components from their state-of-the-art facility in Welshpool, Western Australia. We also offer installation, testing and exceptional after sales service.

Austline's products include;

- ROM bins
- Processing tanks & vessels
- Conveyor components
- Shrouds, guards and grates
- Crushing & screening structures
- Pipe spooling
- Mechanical support steel
- Chutes & impact plates

#### INDUSTRIAL

Austline have been awarded a contract from Schenck Processing for the fabrication of a number of industrial components including;

- Guards
- Screens
- Brackets
- Cages
- Dust Suppression Components
- Guillotine Gates
- Grip Rods
- Latch Handles
- Link Bars

#### CLIENTS

ORICA - Processing Tanks  
ILUKA - Conveyor Upgrade  
SANTOS - Reverse Osmosis Skid  
KAEFER - Blast Rooms  
BRADKEN - Processing Chute and Impact Plate



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General and complex metal fabrication and  
installation for the resources, commercial,  
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# RESOURCES

## CHEMICAL CAPABILITY STATEMENT

### FABRICATION / INSTALLATION UPGRADES / MAINTENANCE

#### CHEMICAL SPECIALISTS

Austline offers a wide range of specially engineered products for the safe and efficient storage, processing and handling of chemicals.

Austlines' range of chemical-grade products have been used in treatment and processing facilities, as transport solutions and on mine sites throughout Australia.

Our highly skilled team includes offsite fabrication specialists as well as an onsite installation team. We pride ourselves on delivering a safe, reliable, fit for purpose solution for a wide range of fabrication, rectification and corrosion control requirements for green and brownfield sites.

Austline offers fabrication in a range of metals including; Stainless Steel, Aluminium, Exotic Alloys, Mild Steel and Galvanised Steel.

#### FABRICATIONS

Austline can manufacture a wide range of products for the chemical industry including;

- Pressure Vessels
- Micro-filtration Systems
- Transportable skids
- Tanks and storage vessels
- Pipe Spooling
- Acid Tanks
- Slurry Tanks
- Buffer Tanks
- Self-bunded vessels
- Pump rooms
- Manifolds
- Transport solutions

#### CLIENTS

ORICA - Hypochlorite Plant Upgrade  
BODDINGTON GOLD MINE - Acetic Acid Tanks  
RCR - Petroleum Buffer Tanks



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# RESOURCES

## LINER INSERT PROJECT, TROPICANA GOLD MINE

CLIENT: DAVIES WEAR PLATE SYSTEMS /  
LOCATION: WA  
YEAR: 2016 / SECTOR: RESOURCES

### SCOPE OF WORKS

Austline Fabrications was awarded the fabrication and final delivery of two Hopper Liner Buckets by Davies Wear Plate Systems for the end client Tropicana Gold Mine. Austline successfully fabricated the buckets to protect their existing assembly.

### FABRICATION PROCESS & TECHNICAL SPECIFICATIONS

Austline used specialised welding tradesmen to prepare and assemble free issue 20mm thick 450 BisPlate liner buckets. The welders used flux core welding with an extremely close tolerance to fit the existing unit on site. The finished assembled product weighed 8.5 tonnes per bucket. All materials were welded and prepared at TFG's purpose build factory and assembled with all critical welds NDT tested.

### FINAL FIT

The final fabricated buckets were loaded onto transport vehicles and delivered on time and under budget to the remote site in Central Western Australia. The buckets were craned into position by Davies Wear Plate Systems and were fitted within the end client's specifications. Production resumed without delay.





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# RESOURCES

## CIVMEC RC3 RECLAIMER BUCKETS, PORT KEMBLA COAL TERMINAL

CLIENT: CIVMEC / LOCATION: NSW  
YEAR: 2016 / SECTOR: RESOURCES

### SCOPE OF WORKS

Austline Fabrications were awarded the fabrication of 15 reclaimer buckets for the Port Kembla Coal Terminal in Wollongong, New South Wales. The design and fabrication required Austline to design an initial 'jig' to ensure consistency of build tolerance across all buckets. The tight timeframe of delivery required the universal fit as critical in the fabrication process. Throughout the fabrication process extensive MDR and ITP requirements were supplied to ensure all quality assurances and specifications were achieved.

### PROJECT TIMELINE

Austline's competitive and timely quotation enabled awarding and lodging of QA documentation and weld quality documents to proceed with the fabrication. The design and fabrication of the 'jig' enabled precise assembly, welding and machining of the initial bucket. The trial fit to 'wheel' was completed and the supply of the remaining reclaimer buckets were fabricated and delivered on time.

### INNOVATION & TECHNICALITIES

The buckets were fabricated with 3CR12 Sandvik proprietary material, a high wear capacity and to AS1554 Standards for all welding and testing. In house line bore machining to  $\pm 0.1\text{mm}$  on mounting pin locations was completed with precision, coupled with extensive dissimilar materials fabrication for each reclaimer bucket.

### TRANSPORTATION

Austline designed, then fabricated from the initial assembly procedures and followed this process closely with essential stabilising frames to allow for easy transportation, assembly and final site installation.



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# RESOURCES

## SPRAY TANK EXTENSIONS, KUKERIN

CLIENT: YARRAMUNDI / LOCATION: WA  
YEAR: 2016 / SECTOR: RESOURCES

### SCOPE OF WORKS

Austline Fabrications was engaged by Yarramundi Farms to modify an existing stainless steel chemical tank on a purpose built John Deere self-propelled boom spray. The addition of this modified tank to the machinery extended the capacity to 6000 litres and was fabricated and installed within a 7-day timeline. The client also required an additional stainless steel water tank to replace an existing 400 litre PVC tank which Austline fabricated and installed within the short timeframe. Austline delivered with price competitiveness, exceptional quality and exceeded client's expectation for this project.

### TECHNICAL SPECIFICATIONS

Austline's tradesmen fabricated the tanks from 316 stainless steel. Within this process TIG welding was primarily utilised, incorporating back to back and purge welding techniques to manufacture the circular tank. Designing and manufacturing the tank to these specifications reduces the opportunity for corrosion internally. This process and design is in line with Sanitary Standards in the industry.



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# RESOURCES

## ACETIC ACID TANKS, BODDINGTON GOLD MINE

CLIENT: ORICA / LOCATION: WA  
YEAR: 2013 / SECTOR: RESOURCES

### CHEMICAL TREATMENT

Orica is the world's largest provider of commercial explosives and blasting systems, delivering innovative solutions to the open cut and underground mining, quarry, civil construction, tunnelling and oil and gas markets.

Orica engaged Austline Fabrications to fabricate a range of tanks and pipe spooling for their mining services project at Boddington Gold Mine in Western Australia.

### SCOPE OF WORKS

- ANE pipe work
- Storage cooling system
- E25 fuel loading
- Diesel piping
- ANS storage spool piping
- Flush water system
- Fuel blend pipework
- Expansion tanks



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# RESOURCES

## CONVEYOR TRANSFER SYSTEM, NORTH CAPEL MINERAL SEPARATION PLANT

CLIENT: ILUKA / LOCATION: WA  
YEAR: 2012 / SECTOR: RESOURCES

### CONVEYOR UPGRADE

In 2012, Austline Fabrications was engaged by Iluka Mineral Sands to assist with the refurbishment of their conveyor transfer system at the North Capel Mineral Separation Plant in Western Australia. The conveyor is designed to transfer 1000 tones of mineral sands per day through a synthetic rutile kiln at temperatures reaching 800 degrees Celsius. The high temperature causes systematic wear of the conveyor which required refurbishment by the Austline Fabrication team.

### SCOPE OF WORKS

More than 100 metres of conveyor was dismantled and transported to Austline Fabrications Welshpool workshop for refurbishment, then transported back to site and integrated with new conveyor systems which included;

- Pod outlet chute assemblies including cut-off gates and vacuum connections

- Pod discharge chain conveyor including fabrication of casings, head and tail in mild steel, chain and drive assemblies and supports

- Connecting chute and blocked chute detector

- Conveyor extensions including casing fabrication and chain assemblies

- Outlet chute assemblies including cut off gates and compensators

- Screening chain conveyor

- Emergency dump chute

- Charge hopper

- Hopper discharge chain conveyor and outlet chute with compensator

- Elevator discharge chute with outlet and buffer hopper

- Bucket elevator including fabrication of casings, chain assembly, bucket supply, drive assembly and blocked chute detectors



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# RESOURCES

## WATER TREATMENT SKID, SANTOS WADDY BRAE MINESITE

CLIENT: VEOLIA / LOCATION: QUEENSLAND  
YEAR: 2012 / SECTOR: RESOURCES

### WORLD FIRST DESIGN

In a world first, Austline Fabrications were given the opportunity to fabricate a water treatment module which combined micro-filtration and reverse osmosis carbon filtration systems on the same transportable skid.

The resulting module was capable of converting 30,000L of waste water into potable water every hour.

### COLLABORATIVE APPROACH

Austline was chosen as the successful candidate due to their previous experience with complex filtration projects, combined with their reputation for a high quality finished product. SAF duplex 2205 steel was used for all high pressure pipework and the entire module fit on a 12 metre skid for ease of assembly.

Austline's General Manager, Tom Moultrie said "We were excited to be a part of this project since it had never been done before." The module fabrication was completed within the tight three month schedule and we were delighted with the finished product."

### SCOPE OF WORKS

- Fabrication of individual components using a combination of stainless and SAF duplex 2205 steel
- Container modifications for skid
- Installed equipment pipework
- Fabricated cable trays
- Installed all air lines and controls
- Assisted electrical trades with installation
- Access ladders and safety rails
- Assisted with commissioning
- Disassembled and packaged for safe and secure delivery to site



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# RESOURCES

## REVERSE OSMOSIS SKID, WOODSIDE NORTH RANKIN PLATFORM

CLIENT: VEOLIA / LOCATION: WA  
YEAR: 2011 / SECTOR: RESOURCES

### OIL & GAS PRECISION

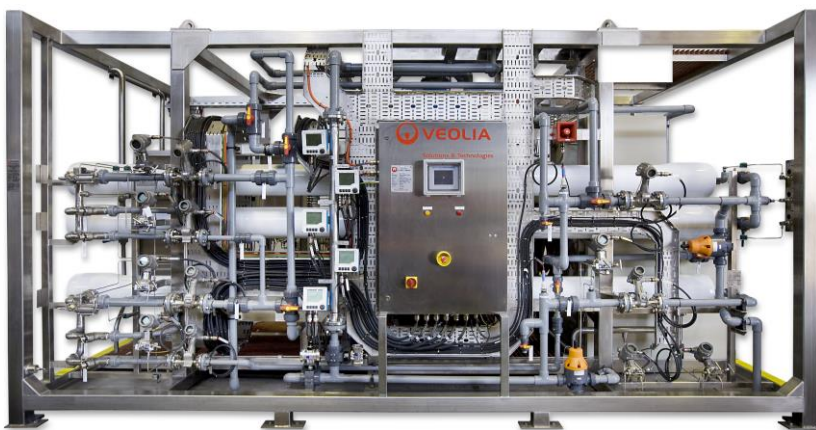
Austline Fabrications was awarded the contract by Veolia Water to fabricate a two-pass Brackish Water Reverse Osmosis (BWRO) Plant for the new North Rankin B platform, installed 100 metres from the existing North Rankin A platform. The BWRO was designed by Veolia to produce demin water with very low chloride levels for topping up of the platform tempered water system.

### RETURNING CUSTOMERS

This project was Austline's third water treatment skid built for Veolia, who knew they could rely on Austline's experience and professionalism to deliver the best quality product on time.

The BWRO plant treats potable water from the North Rankin A Sea Water Reverse Osmosis unit, which was also fabricated by the Austline Fabrications team in 2010. After successfully completing the

Sea Water Reverse Osmosis unit, Austline were able to find efficiencies for the new model which was delivered in 2011. This model was designed to treat 120 cubic metres of water every day.



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## PORTABLE BLAST ROOMS, WESTERN AUSTRALIA

CLIENT: KAEFER / LOCATION: WA  
YEAR: 2010 / SECTOR: RESOURCES

### BLAST ROOMS

In 2010, Kaefer awarded Austline Fabrications a contract to fabricate six portable blast rooms for use in their resources projects throughout Western Australia.

Each blast room was manufactured to include ventilation and air conditioning with the blasting room fully ventilated and insulated from the external environment.

### TRANSPORTABLE

The most important aspect of the blast rooms was their ability to be transported from site to site as Kaefer's project requirements changed. Austline worked with Kaefer's draft engineers to assist with this process.

Austline's experience in building transportable skid-mounted equipment allowed the Austline team to suggest modifications to the skid system to allow for a multiple lifting option depending on the site requirements and plant availability.



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# RESOURCES

## ELUTION SKIDS, GOLD MINES

CLIENT: ENGINEERED PROCESS SYSTEMS /  
LOCATION: NATIONAL & INTERNATIONAL  
YEAR: 2008-2010 / SECTOR: RESOURCES

### ELUTION SKIDS

Consultancy Engineers EPS awarded Austline Fabrications contracts to supply and fabricate several skid mounted Elution Circuit Heating packages. These skids were manufactured to be installed at a number of National and International Gold Mines.

### SCOPE OF WORKS

Austline fabricated several skids with a custom galvanized frame structure and cladded with fitted floor where required. Austline also installed process equipment to custom isometric drawing specifications; pre spooled and fitted fabricated pipe spooling and specific flue equipment for each skid.

Austline project managed the process of supplying insulation of the heat circuit pipe spools, fitted electrical instrumentation, flanges, flow meters, heat exchangers and associated specialised installation of pumps, tanks, tubing and valves.

EPS required the elution packages and vessels to be pre commissioned and pressure tested. Austline performed the testing on our premises before transportation to site for the end client.



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# RESOURCES

## CHEMICAL TREATMENT PLANT UPGRADE, HYPERCHLORITE PLANT

CLIENT: ORICA / LOCATION: WA  
YEAR: 2008 / SECTOR: RESOURCES

### DELIVERED ON TIME

In 2008, Austline Fabrications fabricated, installed and commissioned an upgrade to Orica's Hypochlorite Plant in Kewdale, Western Australia. When Austline was engaged, the project was running eight weeks behind schedule. Austline was offered an incentive if all components were manufactured, installed and commissioned within a tight 12 week timeframe. All components were delivered on time.

### SCOPE OF WORKS

- SMP Installation Works
- Thermoplastic piping
- Tank loading platform
- Installation of all valves, vessels, pumps, filters and instruments as required
- Backflow prevention devices
- SS, CS & Lined piping supply, fabrication and installation
- QA & Testing including dry air dry tests and 100%NDT testing
- Assistance with commissioning
- All MDR and ITP documentation

### SERVICES OFFERED

Austline's knowledge and experience in chemical treatment tanks was especially critical in the commissioning stage. Due to the chemical composition of hypochlorite, additional cleaning was required prior to commissioning. The process involved steam cleaning followed by air drying and finally dry air drying to completely remove any moisture within the pipework, which is combustible upon contact with hypochlorite.



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# RESOURCES

## RCR BUFFER TANK, SHENTON PARK WASTE WATER FACILITY

CLIENT: RCR TOMLINSON / LOCATION: WA  
YEAR: 2008 / SECTOR: RESOURCES

### TANK FABRICATION

Austline Fabrications was awarded the design, engineering, fabrication and testing of the Buffer Tank to be installed for the purpose of Waster water treatment at Shenton Park in Western Australia.

### STRINGENT TIMELINE

Austline successfully completed the fabrication of the 25mm walled tank in a short timeframe of 4 weeks. The design, engineering fabrication and final NDT testing was completed within the required time and produced a fully compliant tank fit for purpose on site.

### CORROCOAT

Austline applied Corrocoat to the Buffer Tank internally and externally to ensure anti corrosion of the tank in the Waste Water facility. The coating application is often the time restricting factor during the fabrication process, however, due to the rapid cure of the product used, the cost and time benefits when using Corrocoat materials can be hugely advantageous.

### NDT TESTING

Finally, on completion of the Buffer Tank, Austline was responsible for the Non-Destructive Testing of the tank before installation on site. This testing was conducted by NACE inspectors to ensure the highest possible quality standards were maintained in strict accordance with Austline's ISO 9001 Quality Management System.



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# COMMERCIAL

## ARCHITECTURAL STAINLESS STEEL FEATURES, CROWN TOWERS PERTH

CLIENT: BROOKFIELD MULTIPLEX / LOCATION:  
WA  
YEAR: 2016 / SECTOR: COMMERCIAL

### WORLD CLASS ESTABLISHMENT

Austline Fabrications were awarded the specialised architectural and intricate stainless steel fabrication and installation of Perth's newest and most luxurious hotel, overlooking the Swan River. Setting a new standard in Western Australia, Crown Towers feature 500 guest rooms, suites and villas, restaurants, bars, a ballroom, business centre, resort pool and world class spa facilities.

### SPECIALISED FABRICATION

Austline fabricated in our custom-built workshop visually outstanding stainless steel porthole windows, flashings, balustrading, TV surrounds and stainless features. These components are purposefully showcased throughout the custom designed interiors and exteriors of the hotel.

### THE PORTHOLE

To fabricate the high-end window dressings, Austline imported the exotic champagne/rose gold stainless steel. Situated adjacent to The Waiting Room Bar, both windows were custom fit to reflect the opulence of the Crown Towers through their seamless and intricate appearance and purpose.

### HIGH QUALITY OUTCOME

After completing extensive site measurements and liaising with our client, Austline installed all fabricated components on site. The visually impressive and architecturally inspired result showcases the outstanding fabrication and installation of stainless steel and its versatility within the commercial sector.



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# COMMERCIAL

## CURTIN UNIVERSITY, BENTLEY CAMPUS PERTH

CLIENT: ENVAR PTY LTD / LOCATION: WA  
YEAR: 2016 / SECTOR: COMMERCIAL

### NEW TECHNOLOGY

Building 304 will provide custom research facilities dedicated to the Centre for Crop and Disease. Situated on the eastern side of Curtin's Bentley campus; the four-story building will feature three levels of highly specialised laboratories.

### SCOPE OF WORKS

Austline Fabrications was awarded the contract to supply, fabricate and install all associated stainless steel ductwork and decontamination lines for the custom research facilities by lead contractor Envar Group. Austline successfully designed, fabricated and installed all deliverables. Austline also assisted with final testing before the handover to the client.

### PRE-WORKS & COMPETITIVE SOLUTIONS

A comprehensive pre site measure to existing floor and ceiling penetrations allowed Austline to customise and pre fabricate with precision in our Perth based factory. The pre-fabricated lobster back elbows, t-junctions and all spooling were then installed on site by experienced tradesmen with specialised cushion head install engaging purge welding techniques. Working with Envar on the design of the cushion head allowed for cost effective fabrication. Austline's opportunity to maximise off site fabrication of large bore spools was integral in the success of the projects timeline.

### QUALITY - SANITARY GRADE

This facility demanded each environment within the building to have a specific controlled atmosphere. The ductwork required Austline fabricators and installers to utilise sanitary grade purge welding to all stainless steel spools and fabricated items to ensure air purification of individual rooms and spaces in the laboratory. Passivation of all welds also ensured successful final testing of the system. This dedicated research building provides truly world-class contemporary facilities and will be the catalyst in attracting globally recognised crop and disease management scholars to Curtin University.



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# FOOD & BEVERAGE CAPABILITY STATEMENT

## FABRICATION / INSTALLATION UPGRADES / MAINTENANCE

### FOOD & BEVERAGE SPECIALISTS

Austline offers a wide range of specially engineered products for the Food & Beverage Industry. Our highly skilled team specialise in food grade welding as well as coded welding for high pressure environments and can deliver a reliable, fit for purpose solution for your needs. Austline also offers on-site installation services for both green and brownfield sites.

### FABRICATIONS

Austline has experienced success in the manufacture and fabrication of the following;

- Platforms and Pipe Bridges
- CIP Vessels
- Valve manifolds
- Flow Boards
- Wastewater Treatment Canopies
- Pipe Spooling
- Tank Canopies
- Vessel Fabrications and Modifications
- Manifolds

Austline offers fabrication in a range of metals including;

- Stainless Steel
- Aluminium
- Exotic Alloys
- Mild Steel
- Galvanised Steel

### CLIENTS

SPX Flow Technology  
Coca-Cola Amatil  
SABMiller  
Lion  
Schweppes  
Krones  
Carlton & United Breweries



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# FOOD & BEVERAGE

## RELOCATION AND EXPANSION PROJECT, COOKERS BULK OIL SYSTEMS PLANT

CLIENT: COOKERS BULK OIL SYSTEMS /  
LOCATION: PERTH  
YEAR: 2016 / SECTOR: FOOD & BEVERAGE

### PROJECT SCOPE

Austline Fabrications is pleased to have assisted Cookers Bulk Oil Systems in their commitment to innovation in providing their clients with fresh oil solutions and sustainable management of bulk oils. Austline collaborated with Cookers for a three month project to install and upgrade the capacity of the tanks for bulk oils handling in their Perth plant.

### EXPERIENCE & EXPERTISE

Our specialised process pipe tradesman fitted and installed four new tanks to increase the capacity to six fresh oil tanks while also doubling the capacity of an existing waste oil tank. Austline installed the tanks and associated pipework to increase the filtration from a stage one filter to a three stage micro filtration process. In addition, at Cookers new facility the capacity increased from 90,000 litres to 300,000 litres. Austline were integral in doubling the waste oil capabilities from 30,000 litres to 60,000 litres.

### INNOVATION

Austline designed, fabricated and installed two valve manifold systems, allowing efficient transfer of product between tanks to the trucks for the loading and unloading process. In addition to this specialised fabrication Austline sourced, fabricated and installed with precision the two swivel truck systems which increases operational efficiency in the transfer of oils.

Fabrication allowances were made for future expansion of two new fresh oil tanks through the manifold system at the facility.





## AUSTLINE FABRICATIONS

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# FOOD & BEVERAGE

## CLEAN IN PLACE SYSTEM, MEADOWLEA FACTORY

CLIENT: GRAINCORP / LOCATION:  
MELBOURNE  
YEAR: 2015 / SECTOR: FOOD &  
BEVERAGE

### CLEAN IN PLACE SYSTEM

In 2015, Graincorp awarded Austline Fabrications a contract to fabricate a Clean in Place (CIP) system for the Meadowlea factory in Melbourne. A CIP system allows factories to clean the interior surfaces of pipes, vessels, process equipment, filters and associated fittings, without disassembly.

Industries that require CIP systems are usually those that require a high level of hygiene such as the food and beverage industry.

This Clean in Place system is designed for a three-stage caustic, acid and water rinsing cycle and includes jacketed pipe work to ensure the internal temperature stays at 80 degrees Celsius.

### EXPERIENCE & EXPERTISE

Austline, as part of TFG Group have extensive experience in the food and beverage industry and understand the particular needs of this sector.

Our highly trained staff specialise in sanitary food grade welding as well as coded welding for high pressure environments.







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# FOOD & BEVERAGE

## TANK CANOPY & FILTRATION SYSTEM, WEST END BREWERY

CLIENT: SA BREWING / LOCATION: SA  
YEAR: 2015 / SECTOR: FOOD &  
BEVERAGE

### SAFETY FIRST

As part of South Australia's West End Brewery redevelopment, Austline Fabrications was engaged to fabricate a stainless steel tank canopy for a water treatment tank at the Thebarton site.

Austline arranged for design and certification of the canopy to ensure its safety and ease of installation. The 14 metre diameter canopy was manufactured in Perth in triangular quadrants so that it could be disassembled for ease of delivery. The Austline installation team delivered and installed the canopy on site.

### CARBON FILTRATION

During the installation of the canopy, the client also requested that we assist with designing and installing an odour elimination system to the tank's pipe work. This was predominantly due to some complaints received in the local area.

Austline were happy to oblige, designing an activated carbon filtration system through a 300mm extraction pipe that succeeded in eliminating 97% of odours.

### SERVICES OFFERED

Austline is committed to offering a value added service which was highlighted by this project with a specially designed stainless steel fabrication combined with a carbon filtration system.



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# FOOD & BEVERAGE

## TANK REFURBISHMENT, SWAN BREWERY & WEST END BREWERY

CLIENT: LION NATHAN / LOCATION: SA  
YEAR: 2014 / SECTOR: FOOD &  
BEVERAGE

### SCOPE OF WORKS

In 2013, Lion Nathan resolved to close the Canning Vale operations of the iconic Swan Brewery and move production interstate. The Swan and Emu beer brands and keg production would be transferred to the company's West End Brewery in South Australia.

Austline Fabrications was engaged by Lion Nathan to complete the following scope of works;  
Remove 4 fermenting vessels used for beer production in Canning Vale

Refurbish and modify the vessels to suit cider fermentation with modifications made to the cones, nozzles and jackets

Load and transport the vessels to South Australia  
Install the tanks at West End Brewery in Adelaide

### LOGISTICS

The sheer size of the vessels required extensive logistics planning for the removal, refurbishment and transportation to the new site. Each vessel was 150 thousand hectolitres, 18 metres tall by 4.2m in diameter and weighed 20 tonnes.

### INSTALLATION

Austline, as part of TFG Group have extensive experience in food & beverage installation projects and were able to deliver and install the refurbished tanks at the new West End site in Adelaide.



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# WATER

## CAPABILITY STATEMENT

### FABRICATION / INSTALLATION UPGRADES / MAINTENANCE

### WATER SPECIALISTS

Austline offers a wide range of specially engineered products for desalination plants, water treatment facilities and state water assets.

Our highly skilled team includes offsite fabrication specialists as well as an onsite installation team. We pride ourselves on providing a reliable, fit for purpose solution for a wide range of fabrication, rectification and corrosion control requirements for green and brownfield sites.

Austline offers fabrication in a range of metals including; Stainless Steel, Aluminium, Exotic Alloys, Mild Steel and Galvanised Steel.

### FABRICATIONS

Austline can manufacture a wide range of specialised products for the water industry including;

- Reverse Osmosis Systems
- Micro-filtration Systems
- Carbon filtration tanks
- RO & MF Transportable skids
- Elution skids
- Tanks and storage vessels
- Pipe Spooling
- Potable water tanks & pipework
- Pressure vessels
- Bore covers & ladders
- Tank canopies
- Pit covers
- Pump rooms
- Manifolds



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# WATER

## BEENYUP RECHARGE BORE SMP INSTALLATION, PERTH

CLIENT: KEP RECHARGE ALLIANCE /  
LOCATION: WA  
YEAR: 2016 / SECTOR: WATER

### PROJECT SCOPE

KEP Recharge Alliance, a joint venture between Thiess and CH2M Hill Australia has started construction works on a \$125 million water recycling plant in the northern Perth suburb of Craigie. KEP Recharge Alliance is responsible for the design, construction and commissioning of the Advanced Water Recycling Plant. The partnership between CHT JV and Water Corporation will have a capacity to recharge 14 billion litres of water into groundwater supplies; the scheme will provide a new climate independent water source to boost much needed drinking water supplies. In the future, the scheme can be expanded to ultimately deliver 28 billion litres of water when needed.

### WATER RECHARGE

Once complete, the scheme will recycle water, treat it to drinking water standards and recharge it back into existing groundwater supplies. The Alliance will move more than 18,000 cubic metres of earth before constructing the plant and will then pour 1000cu.m of concrete, install 70km of cables and lay 15km of pipes.

The project is scheduled for completion in late 2016 and will have built-in capacity to expand production to 28 billion litres of water as demand increases.

### AUSTLINE FABRICATIONS INSTALLATION

Austline Fabrications has been awarded the installation of all pipe supports, piping, valves and associated instruments to all recharge spooling. Austline committed to a schedule and timeline of mobilisation of bore piping; documentation verification, onsite fabrication and Hydro testing all spooling to AS4041 & AS4037.

Austline approached the installation methodically with successful finalisation of all documentation.



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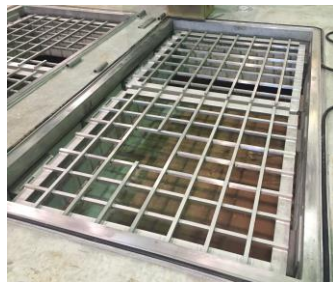






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# WATER

## STAINLESS STEEL SOLUTIONS FOR WATER CORPORATION PROJECTS

### PIT COVERS

DM CIVIL, ARMADALE PUMP STATION

Austline fabricated and supplied pit covers, safety grates and a stainless steel cast in frame complete with an aluminium cover. All stainless steel items were completely seal welded and passivated as per Water Corporation specifications. Items were inspected by Water Corporation welding inspectors and dispatched with a Water Corporation release form.

### SAFETY GRATES & ALUMINIUM LIDS

GEORGIU GROUP, KARRATHA WASTE WATER  
TREATMENT PLANT 10

Austline fabricated and supplied safety grate cast in frames, complete with gasket seal, all hinge pins and accessory items.

Austline also supplied aluminium pit covers. Items were completed within the given timeframe to meet the clients deadline and were inspected by Water Corporation weld inspectors prior to dispatch. All items met the clients requirements and specifications.

### INLET SPECIALS

WATER CORPORATION

Austline fabricated and supplied multitudes of sizes and quantities, directly to Water Corporation central works. Items were inspected and dispatched to site for Water Corporation contractors to install.

### PIPE SPOOLING

WATER CORPORATION, ARMAGH STREET PUMP STATION

Austline fabricated and supplied multiple pipe spools direct to Water Corporation to be used as emergency storage upgrades at the Armagh Street Pump Station. These pipe spools were fabricated using stainless steel 316 materials and were welded to the Australian Standard 4041.



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