



# PFWA

DESIGN | ENGINEERING | INSTALLATION

CAPABILITY STATEMENT

# OUR MISSION

To maintain a 'Client Driven' philosophy, by understanding their business, providing market-leading solutions for them, going that extra mile, exceeding expectations, and creating long-standing partnerships.

# OUR VISION

To embrace every challenge and provide engineering and fabrication solutions that go beyond expectations.

# OUR VALUES

## Client Commitment

We develop relationships that make a positive difference in our Clients' working lives.

## Teamwork

We work together, to meet the needs of our Clients and help the company succeed.

## Quality

We provide outstanding custom solutions and unsurpassed service which, together, provide 'Best Value' for our Clients.

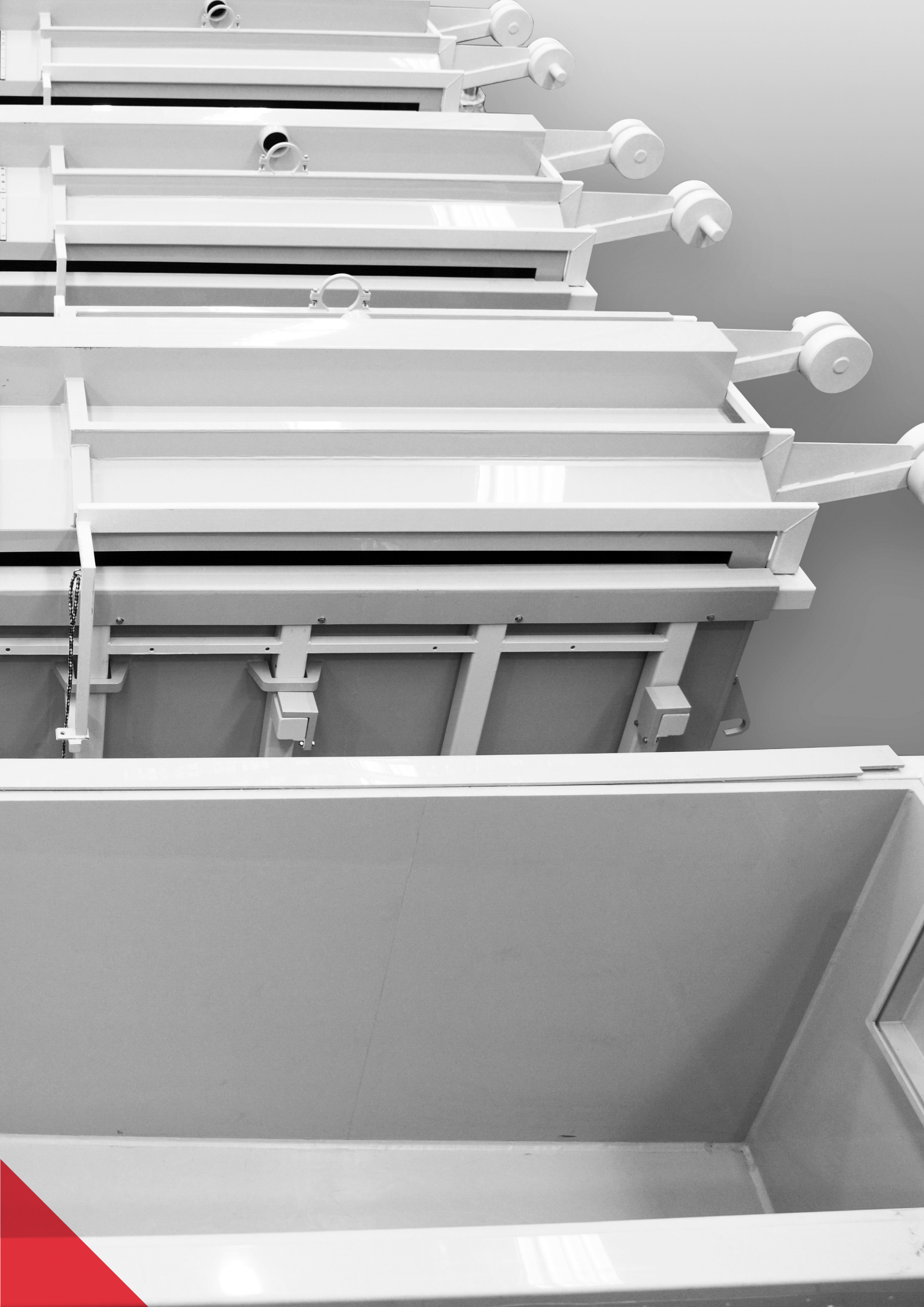
## Integrity

We uphold the highest levels of integrity in everything we do.

## Personal Accountability

We hold ourselves personally accountable for delivering on our promises and commitments.











# COMPANY PROFILE

At PFWA we provide design, engineering and installation solutions. We are Australia's leading manufacturer of Polypropylene Electrowinning Cells for the mining industry. Our wide array of capabilities serve the oil, gas, chemical, wastewater treatment, manufacturing, food and beverage and meat processing industries.

We create comprehensive solutions for our global client base. From initial consultation right through to after-sales service and monitoring, our one-stop-shop model provides our clients with exceptional value for their investment.

Additionally we manufacture bio-filter tanks, water storage tanks, chemical storage, process and mixing tanks, chemical dosing systems, bunds, liners, pipe spools, pump frames and guards, ducting, hoods, fans and custom equipment constructed from high-quality industrial thermoplastics.

We are also approved suppliers to Water corporation in Western Australia and have held ISO 9001 accreditation since 1996.



# HISTORY

Our company was established in Perth in 1981. Initially trading as Allglass Australia, later becoming Plastic Fabricators (WA) Pty Ltd. The Founding Team took a hands-on approach towards design and engineering of the company's products, in order to provide very specific solutions for its Clients. This proven approach proudly continues to this day.

In the early 1990s we developed proprietary designs for Polypropylene Electrowinning Cells to service the growing demands of the gold industry. Through our commitment to continuous improvement this product range has gradually expanded with the reconfiguration and optimization of designs, developed to meet the individual requirements of our Clients.

Our electrowinning cells set the benchmark in the industry and are globally recognized for superior performance and quality of manufacture. Since the early 1990s we have supplied electrowinning cells to over 100 mining projects across the globe.

From this first significant innovation PFWA has grown and expanded to being able to offer a wider range of products and services including steel fabrication, project management and on-site installations. In Jan 2015 our business relocated to its own purpose-built manufacturing facility better suited for future growth.

In Feb 2017 we became an Approved Supplier to the Water Corporation for the provision of plastic welding services and an Australian-exclusive distributor for Alltech (Germany) chemical dosing systems.

In Dec 2017, we sought to expand our horizons further with our proud acquisition of OdaTech® which utilises sustainable biotechnology to resolve complex odour and corrosion issues in a highly efficient, environmentally friendly and cost-effective manner. In addition to OdaTech's Odour Control Systems we now offer a comprehensive range of pre-engineered chemical/gas wet scrubbers specifically designed for the treatment of pollutant gases from industrial exhaust streams.

2018 marks further advances for the company with the offering of both a standard range and custom-built thermoplastic direct coupled and belt driven centrifugal fans with the capacity to service flow rates of up to 100,000 m<sup>3</sup>/hour.







# OUR TEAM



## **Marius Wieczorek - General Manager**

Managing and mentoring our Team to deliver optimum performance, and ensuring our mission, our values and our objectives are being met.

### **Qualifications:**

Professional Engineer, Diploma in Building and Construction, Plastic Manufacturing Specialist – Certificate

### **Experience:**

Over 20 years' experience in various building and construction projects, within project management, contract management and OHS management. Also managing and supervising staff across various key roles. Over 15 years' experience in design, fabrication, and installation delivery of industrial plastic solutions, in Germany, New Zealand and Australia.



## **Vicky Robertson - Finance & Admin Manager**

Managing the daily operations of the accounting and administration department of the company.

### **Qualifications:**

MBA

Bachelor of Accounting Science, in Applied Tax, Foundation Tax and MYOB.

### **Experience:**

Over 16 years experience in accounting, tax, and auditing, 9 years in public practice, and 7 years in commerce.





### **John Cabassi - Project Engineer**

Responsible for all engineering and technical disciplines for running projects. Scheduling, planning, forecasting, resourcing and managing all technical activities with the aim to assure project accuracy and quality from conception to completion. Supervising a team of Project Estimating/Management.

#### **Qualifications:**

B. Eng (Mechanical) (Hons.)

DVS Welding 2212 - German Certification

#### **Experience:**

Over 10 years' experience in Industrial Plastics and steel in the fields of Project Engineering, Engineering design/ drafting and Product Research and Development including managing PE100 welding jobs for Water Corporation (W.A.) sites.



### **Sunny Das - Mechanical Engineer**

Responsible for all specialist engineering disciplines relating to the design and fabrication of our plastic and steel solutions.

Planning, Designing, Drafting, Sourcing, and Managing project installations through to completion.

#### **Qualifications:**

Bachelor of Engineering (Hons.) (Automotive), RMIT University

Master of Professional Engineering (Mechanical), The University of Western Australia

#### **Experience:**

Over 3 years' experience in Industrial Plastics and steel in the field of Project Engineering, Engineering design/ drafting and Product Research and Development.

# OUR TEAM



## **Brian Caceres – Chemical Engineer**

Brian designs and manages implementation of our custom-made OdaTech® Odour Control Systems for Wastewater treatment and other industries. He has a key interest in sustainability and humanitarian engineering; and endeavours to care for all people and our environment by improving and advancing sustainable technologies in industry and everyday living.

### **Qualifications:**

B. Eng. Hons. (Chemical Engineering)

### **Experience:**

Brian has 10+ years consulting in Chemical Engineering Design and Implementation, Project Delivery, Information Systems, Industry Research and Community Development. His experience spans multiple sectors of the mining and water industries and various social impact initiatives.



## **Sam Hewage - Production Supervisor**

Overseeing the engineering and fabrication team, programming time-frames and ensuring the meeting of deadlines.

### **Qualifications:**

Boilermaker/Welder Trade Certificate

Australian welding certificates (butt/extrusion welding/PVC PVDF etc.)

### **Experience:**

Over 15 years' experience in Industrial Plastics in New Zealand and Australia







# SERVICES

## Custom Fabrication

Whatever you need, if it's made from plastic or steel material, PFWA can manufacture it. Our team of committed and highly skilled staff, provide comprehensive design, engineering and site installation services. All fabrication is performed and inspected under the strict ISO9001 Quality Assurance program.

## Electrowinning Cells

The PFWA electrowinning cell design operates at recovery efficiencies of up to 99% in one pass. It is renowned for its reliability and minimal maintenance requirements. This can be attributed to its superior quality of materials and manufacturing. All this for a competitive price.

Consequently, our cells continue to set the benchmark in the mining industry. We have been providing gold & silver electrowinning solutions for more than 100 mining sites across Australia and the World for more than 25 years. Many of our clients' older cells are still in use today and operating around the clock!

The standard PFWA electrowinning cell range is comprised of cell cross sections from 300x300 to 1000x1000 mm anode/cathode sizes. We also supply the rectifiers, vacuum filters and fume extraction systems providing a total gold room equipment supply solution.

## OdaTech® Odour Control Filtration Systems

At PFWA, under our brand OdaTech®, we design and supply a comprehensive range of highly efficient and cost-effective systems for the treatment and elimination of intrusive odours. Initially developed for use in wastewater, our custom designed systems can be configured to suit a wide range of applications – from small air valves and manholes to wastewater treatment plants, meat processing plants and mining sites.

Our systems achieve over 99% removal of hydrogen sulphide ( $H_2S$ ) and significantly reduce corrosion on steel and concrete infrastructure, most notably in sewer networks drastically reducing costly maintenance. Additionally we design and manufacture a range of chemical wet scrubbers for the effective removal of potentially dangerous contaminants in gas streams.



## **Storage / Process Tanks**

Our long-term, corrosion free tanks are manufactured using High-Density Polyethylene (HDPE), Polypropylene (PP), and Polyvinylchloride (PVC) sheeting, all providing a wide range of long term , corrosion-free solutions. These include for bulk holding to store potable water, chemicals and effluent. Using HDPE with black carbon in the resin for UV stabilisation, our HDPE tanks can be used in harsh environments – even as an in-the-ground installation. Through custom fabrication, we can supply and fit a wide range of components such as inlets and outlets, flanges, threaded fittings, valves and taps, inspection ports, level indicators, sight glasses, anchor points, and baffles. All our tanks are custom designed, fully in-house manufactured, and to the highest international standards providing up to 25 years' design life.

## **Chemical Bunds**

Our HDPE chemical bunds have an enviable record for limiting and preventing hazardous substance and chemical spills. Manufactured from sheet plastic, rigid or flexible, predominantly HDPE, our bunds have many advantages over other types, such as manufacturing turnaround time, ease of in-situ installation, site-specific design, as well as relocatable if required. Whatever your requirement, at PFWA we have comprehensive solutions to your environmental and contamination risks.

## **Flow-promoting Liners**

We design, manufacture and install a variety of liners for chutes, launders, tanks and process equipment. Typically, chutes are lined with UHMWPE to improve wear resistance and promote flow. Sheets are secured using cap bolts or welded studs. CNC machining of the liner ensures accurate placement of holes as well as a good mechanical fit for the fastener cap. We recommend that seams between sheets are welded to avoid material hang up. Other linings can be made of any thermoplastic, dependant on service requirements and such plastics include PVC, PE, PP, PVDF, ECTFE and PFA.

## **Steel Fabrication**

Our Steel Division manufactures in-house a vast array of steel components for our pipeline applications as well as for our clients. From butt weld or flanged pipe fittings in equal and reduced tees, reducers and bends, all components are made and tested to our clients' specifications and include finishing coats such as hot-dip galvanising, epoxy, powder coating and quality paint systems. Typically, we manufacture to AS4041 however if our clients nominate a different specification we will review these requirements and manufacture accordingly.

# SERVICES

## Pipe Spools

Manufactured to our clients' specifications, our Pipe Spools are available in most thermoplastics including PE, PP, PVDF, ECTFE and PVC. Material choice is dependent upon operating conditions & client requirements.

## Pump Frames & Covers

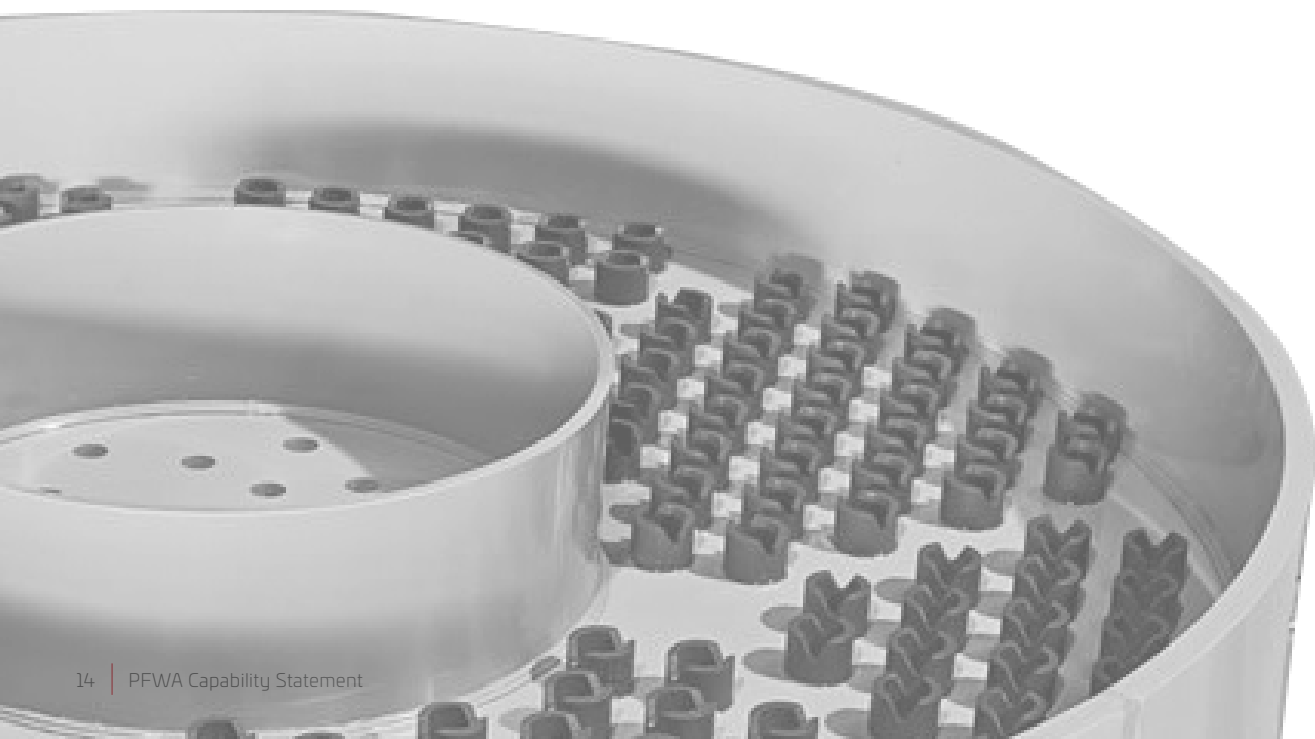
Whatever your pumping application, we can manufacture and assemble all the components for your pump frames and protective guards. Whether its trailer mounted, pontoon mounted, skid mounted or semi-submersible, we can deliver what you need to your exact specifications.

## Chemical Dosing Systems

PFWA is the sole distributor for Alltech Dosieranlagen GmbH, Germany. Alltech is a market-leading company in the construction of chemical dosing systems and their components. The success of our joint partnership is reflected in the diversity of this product range and our ability to adapt all our products and services to the specific requirements of our clients.

## Onsite Services

We provide comprehensive installation services on site, whether it is electrofusion, butt welding, extrusion welding or solvent cement joining. We work to our clients' specifications in a timely and reliable manner. We are one of just a few approved plastic welding companies for the Water Corporation (Western Australia).





A large industrial machine, likely a water filtration or treatment unit. It features a tall, beige cylindrical tank with horizontal bands and metal clamps. A vertical pipe runs alongside the tank, connected to a grey motor unit at the base. The motor unit has a red emergency stop button and various electrical connections. The entire assembly is mounted on a green metal frame.

**We create  
comprehensive  
solutions for our  
global client base.**

---



**+61 08 9302 1441**

**59 Christable Way, Landsdale, WA, 6065**

**[pfwa.com.au](http://pfwa.com.au)**