Package Pumping Stations
“Engineering problems are under-defined, there are many solutions, good, bad and indifferent. The art is to arrive at a good solution.”

“All Pump Solutions commitment to provide complete solutions for fluid storage and control within a sustainable environment, ensures we will always be our customers number one choice.”

Harnessing over 50 years of experience in the water and wastewater industry, all pump solutions continues to expand from the hub of the world’s industrial, indeed, engineering revolution.

All pump solutions are framework partners with the world’s leading pump manufacturers and are well respected for their engineering capabilities and position in the industry.

This ensures that all pump solutions are a world class provider offering well proven products tested and approved in accordance with national and international standards.

All pump solutions capital investment including larger premises, overhead gantry cranes, new facilities and servicing equipment has enabled quicker customer response.

Pumping stations assembled in our factory are subject to stringent quality control, inspection and tests. The precision engineered pumping systems are delivered to site ready for installation. A simple commissioning visit is all that is necessary for the system to be fully operational.

All pump solutions offer a holistic service making the whole process of ordering a pumping station simple and cost effective with expert advice at every stage, including design, project assistance, after sales support and service contracts.
YOUR PROJECT
OUR PROCESS

We’ll see you through all the main stages of a project lifecycle. From start to finish and beyond.

APS GRP PUMPING STATIONS

APS GRP pumping stations have a life expectancy in excess of 50 years, carrying a 25 year warranty.

APS pumping stations have a smooth resin-rich internal finish to aid good flow and hygienic disposal of effluents to avoid smells and septicity.

Each APS station passes rigorous and detailed testing, inspection and factory production control assessment.

With 50 years of technical innovation and progress, the GRP chambers are designed in accordance with BS 4994/BS EN 976 and are filament wound by the technically advanced chap hoop filament winding process.

This process produces not only circumferential strength as found in helicoidal wound tanks, but also, high longitudinal strength. Being manufactured in glass reinforced plastics, our chambers are light, easy to handle and easy to install.

TANK SHELL FEATURES

- Exterior resin-rich water penetration barrier
- Resin-rich glass reinforced corrosion barrier
- Strong reinforcing ribs
- Filament wound main structural laminate

LIFE EXPECTANCY IN EXCESS OF 50 YEARS

25 YEAR WARRANTY
ALL PUMP SOLUTIONS

HORIZONTAL PUMP STATION AND SEPARATE VALVE CHAMBER

The APS Horizontal range of pumping stations are available in diameters of 1.2m, 1.8m, 2.6m, 3.5m, 4.0m with storage capacities ranging from 1,000 litres to 350,000 litres. Baffle Walls, weir Walls, Sumps and extension Access Tunnels can all be incorporated as required. To accommodate the specification by Municipal Agencies all pump solutions have designed, developed and patented a range of pumping stations which incorporate storage and features to overcome restricted space on site as well as offering ease of access and maintenance.

- **Float switch level control** with optional stilling tubes
- **Automatic flush valve** shoots a powerful jet stream of water around the entire pump station at the beginning of each pumping cycle
- **Ultrasonic level control**
- **Access Covers and Frames** - large stocks available in all duties and sizes
- **Guided Galvanised or stainless steel lifting chains for pumps**
- **Certified Galvanised or stainless steel lifting chains for pumps**
- **Cast Iron ball valves**
- **Cast Iron gate valves and spindles**
- **Sleeved outlet connection**
- **Guide Rail System** for easily locatable pump installation
- **Access Covers and Frames**
- **Cast Iron ball valves**
- **Cast Iron gate valves and spindles**
- **Roadside Kiosk to house the control panel**
- **Commissioning and Witness Testing**

**BESPOKE SYSTEMS**

- **Certified Galvanised or stainless steel lifting chains for pumps**
- **Extension Access Shafts and Guide Rail system if required**
- **Text-Tel GSM Mobile Telephone Telemetry System**
- **Control panel – Motor Control Centre (MCC)**

**Smooth resin rich, corrosion free internal surface prevents solids build up**

**Life expectancy in excess of 50 years and 25 year warranty**

**Submersible Pumps to suit site requirements**

**Sump to minimise floor area and optimise geometries to eliminate solids build up**
VERTICAL & HORIZONTAL PUMPING STATIONS

APS HORIZONTAL RANGE OPTIONS – H SERIES
- Series H300 1800mm dia. x 3m to 16m long
- Series H400 2600mm dia. x 4m to 17m long
- Series H500 3500mm dia. x 7m to 21m long
- Series H600 4000mm dia. x 8m to 22m long

“Our selection of tanks is unmatched, with a vast choice of sizes and capacities always available”

INTEGRAPUMP®
Patent No GB2447308

In a unique design, the IntegrAump® is an exclusive design of a one piece station incorporating a separate valve chamber as an integral part of the tank:
- Eliminates site installation and connections
- Clean ease of maintenance

SEPTAPUMP®
Patent No GB2630844

The unique concept of a combined oil separator and pumping station requires only one excavation, saving time and space on site. Oil interceptors are compliant to BS EN 868-1 and PPG3 to ensure the protection of our environment.

INTEGRATED SOLUTIONS

MULTIPLE CHALLENGES

EXCLUSIVE DESIGN

SEPTAPUMP®
Patent No GB2630844

TRIED AND TESTED
WORLD CLASS PUMPS

All pump solutions product development now includes the tried and tested Javelin and heavy duty Jörg Pumps range of submersible pumps, incorporating efficient motors from 0.75 – 60kW with excellent anti-clogging properties and efficient motors.

This range is complemented with the renowned Flygt, Grundfos, Lowara, Ebara, Landia and Mono pumps that we stock.

All pumps are also available in explosion proof models, depending on the DSEAR zoning of your site.

“Our wide range of pumps are carefully sourced from world class manufacturers”

PUMPS, MIXERS AND AERATORS

World class pumps

Tried and tested

Submersible of 60kW – 5.7.0

Vergo, Grundf

Steam pumps All
developed products
doing and evolving all the time.

taken into account.

Jörg Pumps

Ebara, Landia and
tamba pumps all available as standard.

Multiple challenges

INTEGRATED SOLUTIONS

EXCLUSIVE DESIGN

PUMPS, MIXERS AND AERATORS

World class pumps

Tried and tested

Submersible of 60kW – 5.7.0

Vergo, Grundf

Steam pumps All
developed products
doing and evolving all the time.

taken into account.

Jörg Pumps

Ebara, Landia and
tamba pumps all available as standard.

Multiple challenges

INTEGRATED SOLUTIONS

EXCLUSIVE DESIGN

PUMPS, MIXERS AND AERATORS

World class pumps

Tried and tested

Submersible of 60kW – 5.7.0

Vergo, Grundf

Steam pumps All
developed products
doing and evolving all the time.

taken into account.

Jörg Pumps

Ebara, Landia and
tamba pumps all available as standard.
ADVANCED MONITORING AND CONTROL

COMMISSIONING
Our completely factory fitted units means that the final commissioning by our expert engineers is the only on-site element which is a simple and efficient operation with no confined space requirements. This eliminates risk and is the preferred choice for contractors aspiring to maintain excellent H & S accreditation records. Once your pumping station is ready for commissioning simply complete our commissioning request form online or I save with one of our team.

SERVICE
All Pump Solutions ServerPump contracts safeguard against expensive failure and keep the unit working at optimum efficiency. Using our gold, silver or bronze planned maintenance agreement means increased reliability, reduced maintenance and budgeted costs.

WOBURN FOREST, CENTER PARCS

The Birs Balfour Joint Venture was successful in winning the £26 million Center Parcs contract in Woburn, Bedfordshire. This is the fifth holiday village of its kind in the UK.

The contract at Woburn in Bedfordshire, involves roads and major technical infrastructure works within a forest habitat and includes the delivery of a new, environmentally friendly, energy centre using innovative, modular construction techniques to minimise the environmental impact of the work.

Center Parcs Woburn Forest will offer 625 lodges, a 75 bed hotel, spa and 2 recreation centres offering indoor sports facilities, swimming pool and restaurants claiming to be one of the largest construction projects of its kind in Britain for several years.

APG was selected as the preferred supplier to provide the design and supply of the 7 Faul Water and 4 Surface Water Factory Fitted Pump Stations. Complete with a quarterly inbuilt service contract.

Center Parcs Woburn Forest opened in Spring 2014.
ALL PUMP SOLUTIONS AT WORK WITH
ARRIVA TRAINCARE, CREWE

APS provided a solution to our foul waste problems at the site by providing a package of equipment including primary storage tanks, intermediate pumping stations and a large capacity SeptaPump unit complete with a final oil skimmer assembly and pumping station that pumps the sites treated effluent discharge 800m to the nearest foul manhole connection. This installation is already proving highly efficient and meeting its predicted return on investment.

In addition to our specialist range the SeptaPump skimming station incorporates an oil separator, pumping station and oil skimming system to enable the collection and recycling of fuel. Excellent in situations such as rail depots and preferred choice of Arriva, LNWR, Stagecoach and British Bus Properties.

David Wilkinson MCIQ, Project Manager, Arriva

ALL PUMP SOLUTIONS AT WORK WITH
BOC FACILITY, IMMINGHAM

For the new Dissolved Acetylene Facility at Immingham for BOC, All Pump Solutions supplied a package pumping station comprising 3 no. Flygt variable speed driven submersible pumps capable of pumping 300L/sec along with 3 4m diameter SRV valve chambers including all the internal discharge pipework, non-return and isolation valves, flow meter, pressure gauge and actuated isolation valves. All chambers were factory fitted, saving many hours on site. The modern facilities and technology at APS enabled the supply of complex valve chambers with up to 500mm diameter pipework in epoxy coated, ductile iron or stainless steel.
VolkerFitzpatrick Covas JV, CH2M-Hill, Norder Design Associates Limited and Birmingham City Council faced huge challenges on the North Airfield drainage facility. All Pump Solutions supplied bespoke Package Pump Stations, Valve Chambers, Control Panels, Standby Generators, installation of pumps and pipework into pre-cast 10m deep concrete pump wells.

The runway works had to be installed during the night including the installation of a 4m diameter GRP package pumping station incorporating 250mm internal pipework.

The MCCs incorporated philosophy to control actuator valves, oil on water detection and the design requirements of URS.

Our vision statement is supported by our core business values, which are woven into the fabric of all pump solutions and guide everything we do.

- **Excellence** – in our products and services
- **Integrity** – in every transaction and communication
- **Reliability** – in our consistency, keeping promises, communication
- **Commitment** – to our customers, suppliers, our team and our world
- **Innovation** – through continuous improvement in our design

**OUR VISION**

**YOUR SOLUTION**