



High quality electrical and mechanical products, services and solutions

Providing 24/7/365 engineering services, new equipment, workshop services, site services and parts for motors, pumps, gearboxes and rotating machinery.



Our Heritage

William Henry Allen resigned from Gwynnes and started his own company, W H Allen, in Lambeth, London.

1880



1893



William took his son Richard into partnership. The company name was changed to W H Allen, Son & Company and moved premises to Bedford.

The company restructured and changed its name to W H Allen Sons & Co Ltd.

1921



1927



Gwynnes was bought by William Fosters of Lincoln. Fosters moved the entire site to Lincoln as a separate plant called Gwynnes Pumps Ltd.

Anstee & Ware (Bristol) was established in the UK as an Electric Motor repair and rewind centre by George Anstee & Victor Ware.



1948

1957



The very first Hidrostal company, Hidrostal S.A., was formed by Martin Stähle in Lima, Peru, as a pump factory, iron and steel foundry.

W H Allen Sons & Co Ltd acquired William Foster & Co, including its wholly owned subsidiary Gwynnes Pumps Ltd.

1961



1964



Hidrostal AG was established in Neunkirch, Switzerland, where the headquarters of the Hidrostal enterprise remain to this day.

Allens merged with Bellis & Morcom to form Amalgamated Power Engineering Ltd (APE). The new APE Group included W H Allen and Allen Gwynne Pumps (amongst other divisions).

1968



1977



Amalgamated Power Engineering Ltd (APE) was acquired by Northern Engineering Industries (NEI).

Hidrostal Ltd, the UK subsidiary of Hidrostal was established in Newbury, UK.



1980

1987



The major part of the pump division of NEI was sold. A group of former Allens staff formed a new company called The Bedford Pump Company.

The now well established Bedford Pump Company was acquired by Hidrostal AG and began trading as Bedford Pumps Ltd.

2002



2010



2006



The UK holding company for Hidrostal was established in the UK as Hidrostal (GB) Ltd.

Hidrostal's Service & Distribution Centre in Castleford, Yorkshire was added to the business.

2015



2014



The holding company Hidrostal (GB) Ltd now incorporates both Hidrostal Ltd and Bedford Pumps Ltd.

Anstee & Ware was acquired by the electromechanical products and services company, Parsons Peebles.

2024



2020

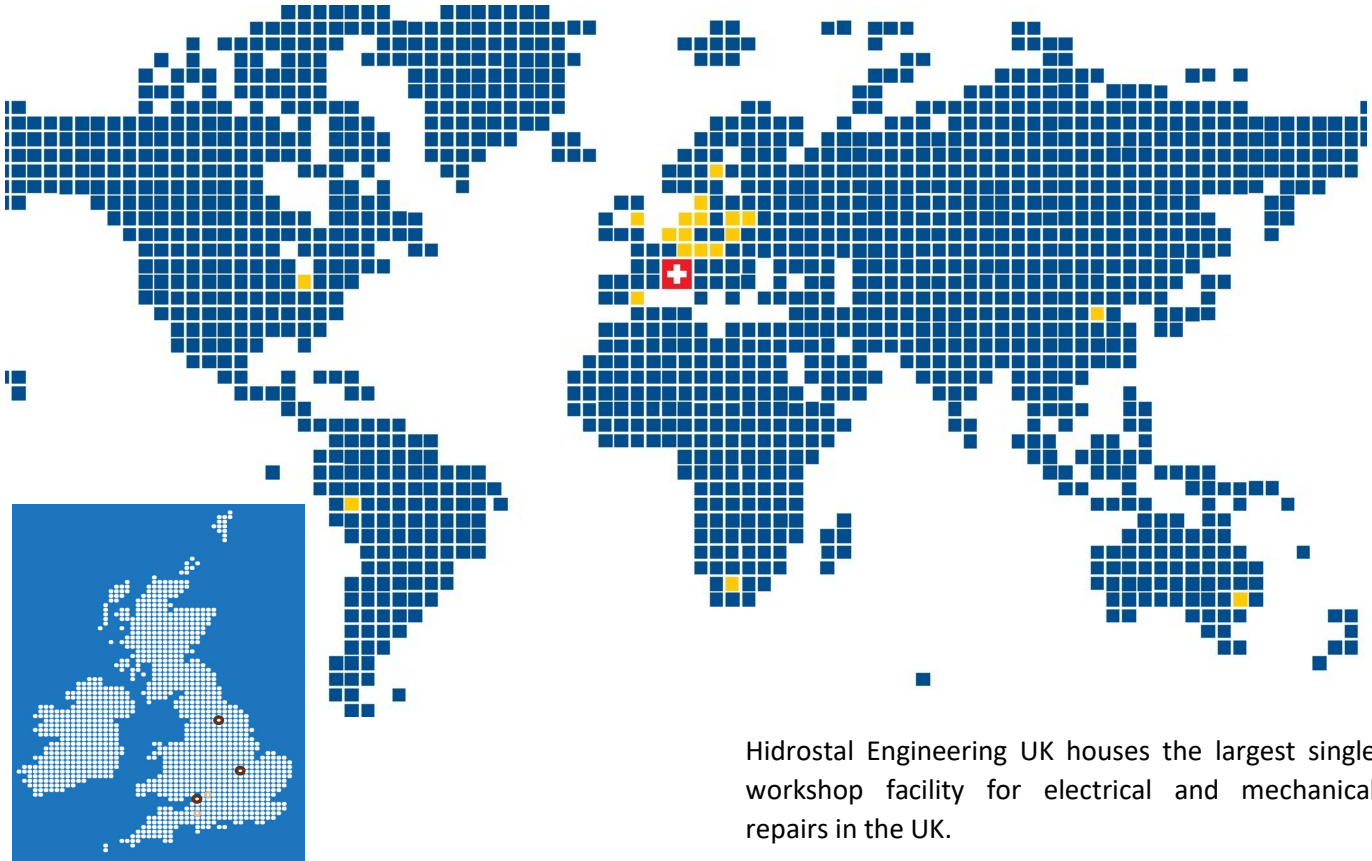


Hidrostal (GB) Ltd, acquired four service centre locations of the electrical & mechanical services company, Parsons Peebles Services Ltd.

The award-winning service centre rebranded to Hidrostal Engineering UK, further cementing its position within the Hidrostal Group.

The Hidrostal Group of Companies

The renowned Swiss pump company Hidrostal, is a global manufacturer with family values. Founded in 1957 by Martin Stähle, from one man's vision Hidrostal has grown to become a leading global player. Manufacture now takes place in six countries, with three foundries, and a worldwide distribution network of sales companies.



Hidrostal (GB) Ltd

Hidrostal (GB) Ltd is the UK holding company for Hidrostal, owning 100% of Hidrostal Ltd, Hidrostal Engineering UK and Bedford Pumps Ltd.

With 140 employees in the UK, Hidrostal (GB) Ltd has production sites in Bristol, Bedford and Castleford .

Bedford Pumps Ltd are a flexible, highly experienced British manufacturer of robust pumping plant for the water, wastewater and flood control industries.

Hidrostal Ltd, are the UK sales division of the renowned Swiss pump manufacturer with a proven track record of delivering high quality pumps and pumping systems to all sectors, but in particular the water and wastewater industry.

Together the companies offer a complementary range of pumping solutions from 5 to 15,000 litres per second.

Hidrostal Engineering UK houses the largest single workshop facility for electrical and mechanical repairs in the UK.

With electrical, machining and fabrication workshops, a thirty tonne inhouse lifting capacity and modern equipment, the company provides high quality around the clock service for both repair and new equipment manufacturing.

Hidrostal (GB) Ltd offers the complete “Engineered Solution”. From standard off the shelf products to complex bespoke design solutions, the combined specialist engineering knowledge from the three companies ensure that they offer a comprehensive range of services across a broad range of sectors.

With a state of the art design studio and a specialist test bay, they also undertake complete project management and installation.

Their involvement doesn't end there, a complete service and refurbishment package is also part of their remit as well as workshop repair, site maintenance, hire and service.

Workshop Services

Our site in Avonmouth, Bristol, houses the largest single workshop facility for electrical and mechanical repairs in the UK offering an extensive portfolio for repair, overhaul and upgrade of electromechanical technologies. We also have service facilities in the North and the Midlands.



Electrical Services

With a repair service that is capable of servicing any AC or DC motor, generator or alternator, Hidrostal Engineering UK are able to meet any of your maintenance needs.

Our workshop is filled with state of the art equipment and experienced, industry qualified engineers that will ensure any electrical repairs are completed to the highest level of quality.

To ensure you receive a high quality service to match that of your machines our dedicated team works 24 hours a day, 365 days a year, both on site and in our workshops to minimise your downtime.

Dynamic Balancing



Our dynamic balancing department is uniquely designed to supply you with emergency or scheduled balancing for the largest possible assortment of products.

Our talented engineers can balance items up to 18 tonnes, 8 meters in length and 4.5 metres in diameter. In addition to the wide variety of balancing capabilities, our department has been approved to ISO 9001:2015.

We can also guarantee the same high quality of balancing work to be carried out on customer's sites and we perform precision on site dynamic balancing that exceeds ISO 20816-1:2016.

Hidrostal Engineering UK are the first choice for dynamic balancing.



Test Facilities

Hidrostal Engineering UK can provide a vast range of testing capabilities for AC and DC machines. Our expertise in engineering capability coupled with our dedicated workshop ensures delivery of high performing machines to many applications.

- Load test (AC/DC) - 600kW
- Thyristor drive (DC) - 700A/500V
- Soft start (AC) - 0-3.3kV
- HV-1 Megawatt (AC) - 0-13.2kV
- Wet well closed loop - 5.5m

Fabrication

Our large industry leading fabrication workshop has been uniquely equipped to provide our customers with remarkable facilities capable of handling both large and small projects whilst accommodating a strict consumables and material segregation policy between ferrous and non-ferrous materials.



Workshop Services

Through utilising the latest CAD technology, such as ProEngineer, eDrawings, Unigraphics NX4, Autocad, Solidworks, Ansys and XL Rotor, Hidrostal Engineering UK works collaboratively with their customers CAD platforms allowing for their design specifications to be achieved to the highest degree.

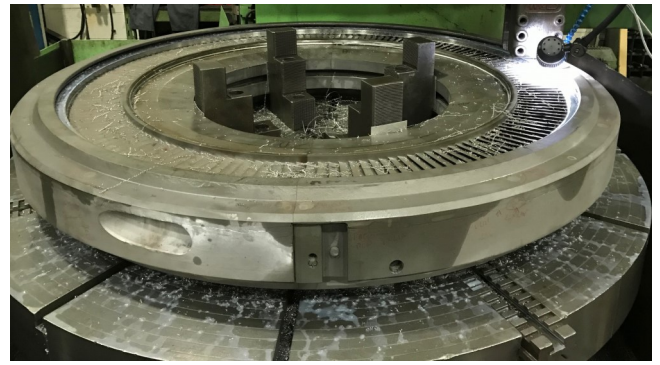
Coded Welding is an integral part of our manufacturing procedures. Our Coded Welding has been approved to ISO 9001:2015 and all our procedures and coding are maintained by a UKAS approved third party inspectorate to ensure all products are completed to the highest level of quality.

Machining

In order to provide our industry leading service and ensure that our customers experience minimal downtime, our specially equipped machine shops are on call 24 hours a day.

Routine activities in our CNC equipped department include metal spraying, turning, milling, boring, drilling and key seating.

With a lifting capacity of up to 32 tonnes we can provide a vast range of machining services to meet any requirements you may encounter.



Site Services

Our experienced engineers are available 24 hours a day, 365 days a year to deliver an accurate, timely and first class service, no matter the scale of your project or industry sector.

Our reputation and wealth of experience has led us to become the trusted site service provider for a number of major utility, energy and industrial companies. We ensure that their critical systems and infrastructure, which underpins their key services which the public relies, are well maintained and function with the utmost efficiency.

Our dedication to our operators means that we are available on short notice to deliver individual services through to entire turnkey projects, incorporating installation, maintenance through to solutions for upgrading equipment.

Hidrostal Engineering UK are the approved repairers and distributors for a vast number of manufacturers in a multitude of industries. Our CCNSG trained engineers are certified to carry out repairs in hazardous conditions, and to ATEX standards.

Coupled with our highly trained technicians we combine the latest diagnostic and analysis software and our 100+ years of industry knowledge to provide our operators with reliable, cost effective solutions.



Mechanical Services

From gearbox and pump repair, blowers, conveyors and pipework solutions through to installation and commissioning, Hidrostal Engineering UK are highly experienced in mechanical services for a vast range of industries. Our extensive capabilities both inhouse and onsite, can handle the most complex of operations and our proven experience of mechanical solutions can be seen within many industrial applications.

- Gearbox repairs / overhaul
- Pump repair and overhaul
- Pump removal and installation
- Strip out and disposal
- Conveyors
- Blowers
- Motor repair and overhaul
- Dynamic balancing
- Laser alignment
- Plant decommissioning and removal
- Pipework solutions
- Installation & commissioning
- Lubrication system service health care



Engineering Services

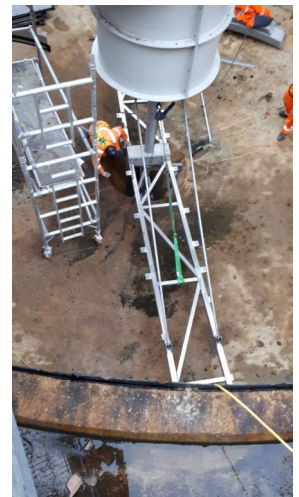
Hidrostal Engineering UK offers a wide range of services for electrical machines both onsite and within our workshop.

From installation to system upgrades, we have the knowledge and capabilities to provide fast and effective service solutions for your electrical equipment.

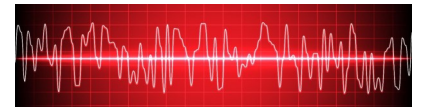
With 140 years heritage of servicing pumps, motors and generators, we are in a prime position to ensure your electrically driven rotating equipment has maximum availability.

Our services are available 24 hours a day, 365 days a year both in house and onsite which allows us to ensure, no matter what time of day, that your downtime is minimised.

- Installation of new systems
- Decommissioning and stripping out
- Various types of AC/DC electric motors
- Fault finding and analysing
- Design of control panels/ systems
- System upgrade
- EX approved



Systems Analysis



Our Conditioning Based Monitoring Services are a pro-active maintenance health check for all types of electromechanical equipment.

Condition Based Monitoring (CBM) opens up a world of possibilities and opportunities for any business to monitor, diagnose and fully understand how an asset or elements thereof are performing in its operational environment, without the need to cease function or production.

Hidrostal Engineering UK understands the importance of the operational effectiveness of your equipment. We offer an array of onsite CBM services to assess the condition of your assets, followed by a comprehensive report providing detailed summaries and recommendations to improve plant maintenance and efficiency.



By applying predictive technologies and root cause analysis techniques to rotating equipment (including pumps, gearboxes, conveyors and motors) we can fully understand the condition of your critical assets.

Techniques such as Vibration Analysis through to Thermal Imaging target potential issues and help accurately predict and identify when an asset functional failure is likely to occur. Additionally we provide a reactive service to assist, identify and accurately diagnose root cause of failure. We offer advice on the appropriate maintenance and/or corrective work that needs to be carried out, allowing for the optimisation of assets and prevention of unplanned events.

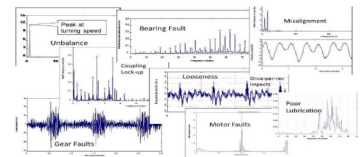
Our Reliability Service Technicians and Engineers hold BINDT, AINDT and Mobius accreditations in Vibration Analysis, Infrared Thermography and Lubrication Management, together with many years of industry experience.

Vibration Analysis

All rotating equipment produces a unique vibration signature that can be analysed for abnormalities. The type of variance detected can signal different problems and pinpoint the likely cause of the fault.

These can include:

- Unbalance
- Looseness
- Resonance
- Pump issues
- Gear faults/wear
- Inadequate lubrication

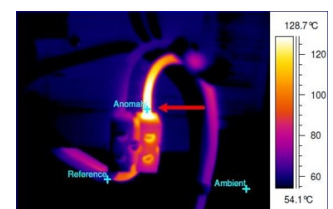


Infrared Thermology

Via our non-intrusive Infrared Thermal Imaging surveys we will provide you with a comprehensive item specific report together with any anomalies detected and recommended corrective actions.

Probable causes can include:

- Bearings
- Overheating
- Steam traps/valves
- Flammable gas leaks
- HV issues
- Wiring faults
- Heat exchanger blockage
- Refractory applications



Motion Amplification

Motion Amplification is a video processing technique that detects minute amounts of machinery movement and then amplifies them to the extent that they become visible to the naked eye.

Benefits of using Motion Amplification:

- Safe
- Fast
- Efficient
- Reduces downtime
- Suitable for a wide variety of applications
- Compliments root-cause analysis
- Provides actionable information

Permanent Magnet Motors

Fast breakdown resolution utilising our state of the art magnetics laboratory.

Hidrostal Engineering UK can resolve your permanent magnet motor breakdowns in the fastest time possible.

Our dedicated magnetics laboratory operates 24 hours a day and uses the latest technology to service, maintain and repair all makes and sizes of permanent magnet motors including Servo, Brushed, Brushless, Pancake, Tacho and Stepper motors.

Our specially trained engineers provide a dedicated repair and calibration service for a range of permanent magnet machines, utilizing customised processes and original equipment manufacturer best practice.

We also use digital testing and calibration techniques including a purpose built magnetising system which can produce magnetic fields up to 10 Tesla, to ensure that faulty machines are returned to their original specifications and are accompanied with a detailed quality report.



Key Services

- Magnetic diagnostic analysis
- Customised magnetising fixtures
- Quality Assurance and oscillogram reports
- Test reports
- Full repair and calibration
- Thermography
- Vibration analysis
- Pinpoint diagnostics
- Failure mode analysis
- Re-engineering solutions

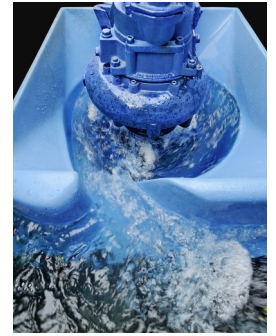
We represent all manufacturers, including:

- ABB
- AEG
- Allen Bradley
- AMK
- Baldor
- Bodine
- Bosch
- Bull
- Contraves
- Eurotherm
- Fanuc
- Indramat
- Kollmorgan
- Lenze
- Mavilor
- Mitsubishi
- Oemer
- Parker
- Reliance
- SEM
- Siemens
- Yaskawa



Pumps

We specialise in the supply, removal, analysis, repair, refurbishment and installation of all types and sizes of pumps including general purpose, split case and submersible variants.



We are fully equipped to provide our customers with complete, detailed analysis including energy efficiency testing, load testing, pressure tests through to full flow tests. In addition, our specialist spare parts division carries all bespoke, specialist and original equipment manufacture, approved spare parts including new pumps supplies and mechanical seal replacement.

Top of the line testing facilities allow us to fully examine pumps prior to dispatch allowing for customers to have complete peace of mind that the repairs that have been carried out are to the highest standards possible.

We are able to fully restore and enhance pump equipment back to original or better standards, leaving our customer with confidence that they have the most efficient, cost effective solution available.

We have a segregated clean and waste water facility.

Our service offering also includes comprehensive maintenance packages for individual assets, or a complete asset management service for larger facilities.

We are the approved repairers and distributors for multiple manufacturers but can also offer impartial advice on the best pump for any application.

Additional services offered include:

- High efficiency pump coatings
- Removal installation & commissioning
- Pump efficiency testing to ISO standard
- Fixed asset monitoring installations
- Full VA condition based monitoring services
- Spare parts including mechanical seal replacement from stock
- Submersible pump motor rewinds

Key Services

- On-site asset removal, installation, commissioning and testing
- System design and installation
- Laser alignment
- Pump efficiency testing; thermodynamic and conventional
- Fixed pump monitoring systems / installations
- Energy analysis
- Vibration analysis and thermal imaging
- Reverse engineering of old obsolete components
- Pump resize / re-rate
- Energy efficiency pump up-grades
- Application of efficiency and abrasive resistance coatings
- Dynamic balancing



Gearboxes

We provide a complete lifecycle service portfolio for all brands and types of industrial gearboxes - from fault diagnostics to the complete removal, reconditioning and refitting of your asset's power transmission system.

By utilising in-house capabilities we can apply predictive maintenance techniques to reduce gearbox downtime.

From installation to system upgrades, we have the skills and knowledge to provide fast and effective service solutions for your gearbox assets.

Additionally we provide a reactive service to assist, identify and accurately diagnose root cause of failure. We offer advice on the appropriate maintenance and/or corrective work that needs to be carried out, allowing for the optimisation of assets and prevention of unplanned events.

We strive to ensure your gearbox operates with optimum efficiency to significantly increase your production whilst reducing your energy costs.

Once a gearbox has become obsolete or is needed for a new application, we can supply a range of new Inline, Right Angle, Planetary, Fixed or Variable speed units.

From initial inspection to final commissioning, we can take care of every gearbox requirement. With authorised distributor agreements with many of the major industrial gearbox manufacturers, we can supply and specify a wide range of quality replacement industrial gearboxes.

Our dedicated team has the experience and expertise to offer technical advice and recommendations with regards to specifying bespoke industrial gearbox requirements.

Product lines available:

- Helical in-line
- Helical worm
- Helical bevel
- Shaft mounted
- Speed reducer
- Worm



Key Services

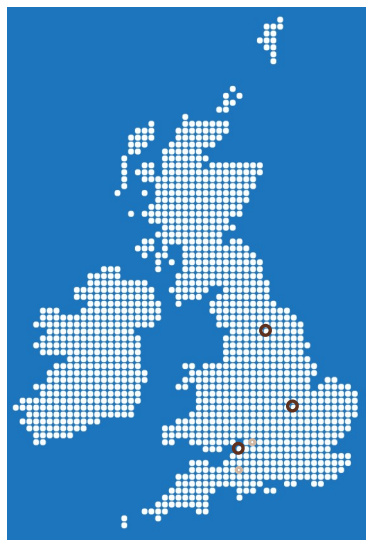
- Site removal and installation
- Bedplate manufacture
- Coupling supply / bore & keyway
- Fluid coupling supply and repair
- Transmission fluid flushing
- Lubricant analysis
- Vibration analysis
- Dynamic balancing
- Condition monitoring
- Thermography
- Laser alignment
- In-house machining
- In-house fabrication
- Energy analysis
- Gearbox repair and reconditioning
- 32 tonne craneage
- Borescope examination services
- Maintenance packages
- Conveyor drum motors service and supply
- 24 hour availability
- ATEX certified repairs



Part of the Hidrostal Group of Companies



Hidrostal (GB) Ltd



Close to you

Our locations

Avonmouth

Hidrostal Engineering UK
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St. Andrews Road
Avonmouth
Bristol
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Tel: 0117 982 0081
orders.gb.avonmouth@hidrostal.com

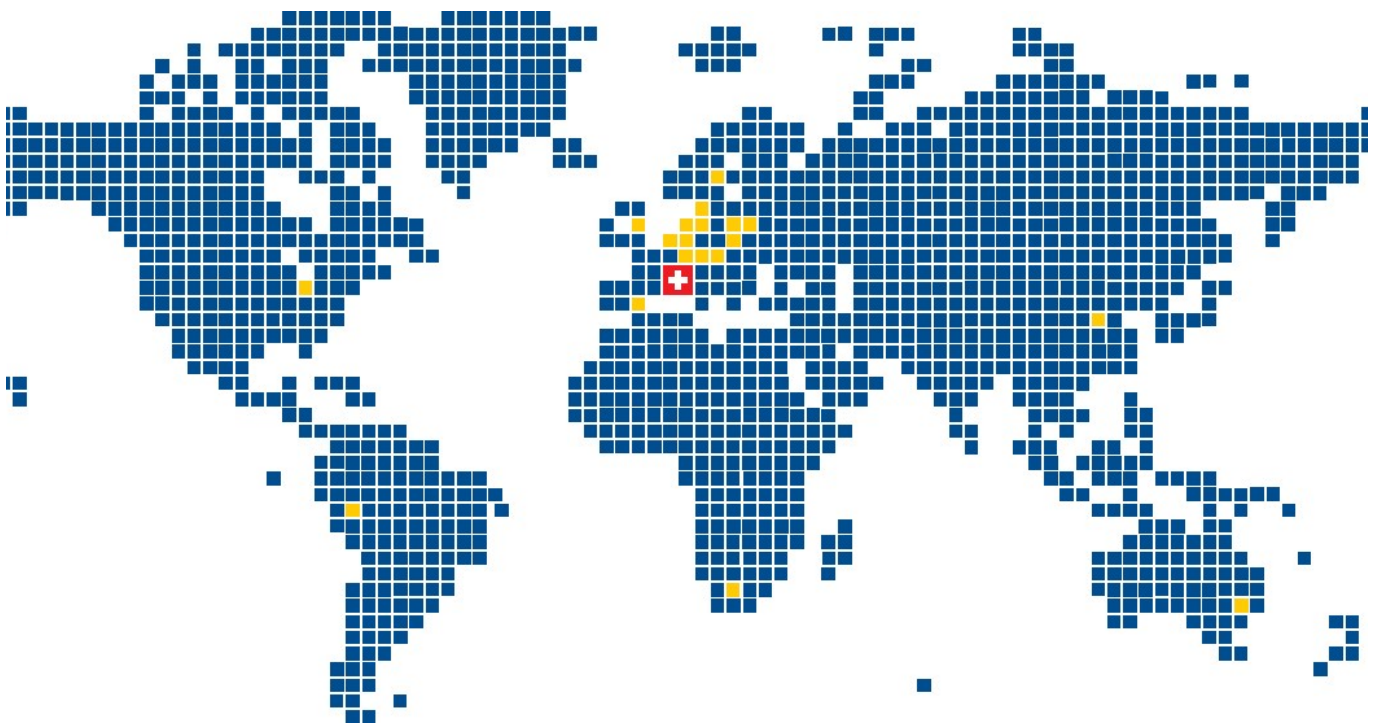
Bedford

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sales@bedfordpumps.co.uk

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Hidrostal worldwide



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Engineering UK