



Introducing The Force Group

The Force Group is a skilled multi-disciplinary team with high quality products and application specialists. We offer a fully comprehensive range of products and complementary services for Valves, Heat Exchangers, Controls & Instrumentation and Pump solutions.

Our Vision

The Force Group vision is to be the number one partner of choice of your industrial and process control requirements. We want our customers to see us as specialist extension you can count upon as an extension to your own team.

Our Promise

"To provide dedicated technical expertise and cost-effective solutions, supporting our customers on or off site".

Across the Force Group, we have the manpower and expertise to help you improve, monitor, control and maintain your plant and processes. Give us a call on 0121 711 1908 to discuss any requirements you may have.



Expert Energy and Flow Control Solution Specialists

- Steam and hot water condensate specialists
- Control valve experts
- Steam trap management
- Boilerhouse upgrades and compliance



Industrial Instrumentation and Controls Engineering

- Designers and builders of control panels
- Instrumentation and software experts
- PLC & HMI programming
- Industrial instrumentation repair



Heat Transfer packages, HVAC Coils & Calorifiers

- Plate heat exchanger packages
- Calorifiers, coil design and fabrication
- Mechanical installation services
- On and off-site repairs and maintenance



Latest Solutions in Industrial Pumping Technologies

- Condensate recovery packages
- Packaged booster sets
- Pressurisation units
- Distributor of leading brands





Industrial Instrumentation and Controls Engineering

Here at Controlsforce, we are specialist control panel designers and control panel builders. We have a dedicated team of highly skilled, experienced and proactive engineers with over 30 years over experience in controls engineering. Our reputation for reliability and outstanding customer support is second to none and our customers regard us as a valued partner for the supply of outstanding control systems at competitive prices.

Our team of experts understand what really matters and have the ability to react and respond to your demanding application needs. We work to a high standard to design, build and develop systems to a very exacting specification.

We specialise in building all types of electrical control panels, from small bench top controllers to large plant control panels and systems for applications across a broad spectrum of industries.

We have amassed years of automation programming experience with many different brands of PLC and HMIs. This level of knowledge within our business will ensure that your applications and needs are understood clearly and our dedicated team of time-served electrical and electronic engineers are able to build to the most exacting of requirements.

Controlsforce help and support industry by advising and offering complete solutions. We will visit your site and work together to assess and fully understand your applications and your needs. We work with many OEMs and are happy to offer on-going technical support for all our products.



Industrial Instrumentation

Our core skills:

- Designers & builders of control panels
- Instrumentation and software experts
- PLC & HMI programming
- Industrial instrumentation repair

Control System Upgrades, Support and Maintenance for Legacy Machines

If you've got a legacy machine that is essential to your production process, but its control system is becoming a burden, Controlsforce can help.

At Controlsforce we can upgrade your existing control system, add additional features like data logging and automate more of your process.

We can offer component level electronic repairs or completely new control systems for industrial applications in a wide range of industries including aerospace and defence.



Need an Expert Fix?

If you think your only option is an expensive service exchange or a new machine, think again and contract David Hennessey on 0121 783 8676 or email dhennessey@controlsforce.co.uk to discuss your requirements.



An example of how we can save you money:

As a rule, just one passing 15mm Thermodynamic steam trap will cost you about £750 per year in live steam loss.

Steam Trap Survey

Save money, reduce your carbon footprint and ensure that your traps are working at maximum efficiency with a steam trap survey.

We are able to offer a competitive steam trap installation to carry out the remedial work.

Our Engineers will:

- Produce a full inventory of the steam trap population
- Inspect each steam trap to ascertain suitability, correct installation and function for that application
- Ultrasonic testing of all steam traps in operation
- Offer preferential rates for all steam traps and ancillary products identified during the survey
- Provide an independent report as a result of the survey with:
 - Recommendations for improvement
 - Other issues that may be observed in your steam and condensate system
 - Detailed savings for energy and carbon reduction

To find out more visit www.valveforce.co.uk/services/steam-trap-survey

To book your Steam Trap Survey contact Anthony Snee in our Engineering Services Division on 07852 855 701 or email asnee@valveforce.co.uk

Valveforce are Paper and Pulp Specialists

As one of the largest industries in the world the paper and pulp industry demands reliability and high-quality valves. This is where Valveforce can help! Valveforce understands that Pulp and Paper mill applications require valves that are able to handle the corrosive environment. As the sole distributor for Somas valves we have an extensive knowledge of the market as Somas had developed and manufactured valves and other equipment specifically designed for the paper and pulp industry. Valveforce can supply you with Valves and applications that contain acid proof stainless steel in its components where they come into contact with a large number of different corrosive or other potentially damaging substances.



Due to the long production runs and the need for uninterrupted services that the paper and pulp industry costly valve failure can cause undesirable consequences due to the shutting down of the process. Here Valveforce can save you time and money! We can offer a varied range of products to suit your applications. From the outset Valveforce can provide expert technical advice for the steam and condensate system and can offer solutions for your specific requirements both in terms of design, material and installation.

Given the changes the paper and pulp industry is facing companies need to get a tighter grip operation costs. Valveforce therefore can help a paper mill make significant savings due to astute valve selection and the introduction of uniformity, interchangeability and reduced spares stock holdings.



If you want to reduce maintenance costs, lower energy consumption and create higher productivity please contact our Managing Director Marc Bozdogan on 0121 711 1908 or email marc.bozdogan@valveforce.co.uk, he'll be happy to help.



Heat Transfer Packages, HVAC Coils & Calorifiers

Heatxforce deliver a one-stop solution for all of your heat transfer requirements from concept to commissioning. Together with our group businesses, we are able to integrate process and control systems to provide a complete package from a single source.

- Plate heat exchanger packages
- Calorifiers and coil design and fabrication
- Mechanical installation services
- On and off-site repairs and maintenance

Shell & Tube Heat Exchangers

At Heatxforce we design, manufacture, repair and maintain shell and tube heat exchangers, both in the field and in our factory. New builds from conception to completion, includes thermal and mechanical designs in accordance with pressure vessel codes PD5500, ASME VIII and other international pressure vessel codes. All Heat Exchangers conform to the requirements of PED 2014/68/EU. We can supply spare parts or remanufactured copies of original equipment where required, such as replacement calorifier tube bundles or oil coolers.



Finned Tube Air Cooled Condensers

We also design and manufacture finned tube air-cooled condensers in a variety of materials to suit your application. We can supply complete new units or carry out supporting works. For example; replacement tube bundles, re-tubing, airside and tube-side cleaning and tube plugging. Modification, repair and test work can also be carried out.



Calorifiers

At Heatxforce, designing and manufacturing heating Calorifiers is a core business for us. We provide new-build and installation, re-tubing and bundle replacement, crop backs and new plates. We also carry out insurance inspection preparation and any remedial work as required. The heat exchangers can be bespoke and designed and built for a specific application. However, we also carry out extensive repair work and upgrades, such as replacement tube bundles, re-tubing, shells and channel replacement, plugging and repairs. As well as insurance preparation and remedial works.



Prevent frost damage to your Heat Exchanger Coils

As temperatures fall it is important that Heating and Cooling systems are properly monitored.

This can be as simple as just topping up your Glycol levels or ensuring that coils are properly drained when not in use. If Glycol levels and/or frost protection systems are not maintained there is a danger that the tubes or bends within the coils could freeze and split.

If you are unfortunate enough to suffer Frost Damage to your HVAC Plant, in the majority of cases Heatxforce are able to offer a service whereby we can carry out repairs to keep your system operational whilst a replacement coil is manufactured. In most cases of Frost Damage, the affected coil will need to be replaced.



If you would like to discuss any projects, please call our Heat Exchanger Expert Ged Griffiths on 0121 711 1908 or email ggriffiths@heatxforce.co.uk, he'd be happy to help.



Watkins Hire case study - Prefabricated pressure let down stations



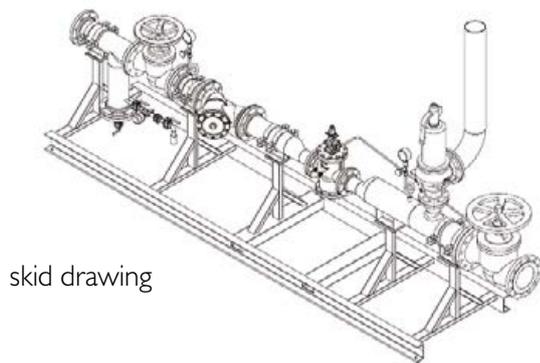
Watkins Hire is the UK's leading specialist temperature control rental solutions provider, with many years' experience in providing complete rental solutions for critical temperature control requirements across all industry sectors.

Watkins Hire were in need of several large pressure reducing stations. These had to be matched to various steam boiler outputs to complement their steam boiler hire range, in order to offer a very flexible approach to controlling the steam mains pressure and reduce it to various downstream set pressures. Watkins also wanted to be able to re-use the same pre-fabricated skid on other projects in the future.

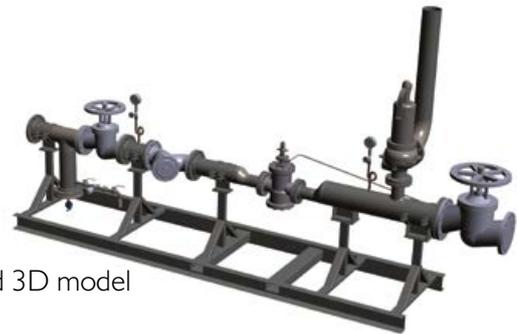
Valveforce were initially acting as a designer, but as the project grew were asked to fully model, design, build and supply the complete packages. The project was fast tracked to meet the critical installation dates required by Watkins to ensure continuity of steam supply to a large chemical site.

Watkins required flexibility in the pre-fabricated pressure reducing skids, to ensure that they were in a position to re-use and re-hire the skids repeatedly to gain their return on investment.

Valveforce designed a large skidded pressure reducing station. It required: a DN 150 double block & bleed using isolating globe valves; a pressure reducing valve fully protected by a fine mesh strainer and upstream trapping. The reduced pressure steam expansion was catered for in a DN 250 pipe run complete with isolating valve. This would then keep the average steam load velocity down to an acceptable level of 22 m/s, the reduced pressure was protected by the installation of a significant DN 100 x 150 full lift safety relief valve.



skid drawing



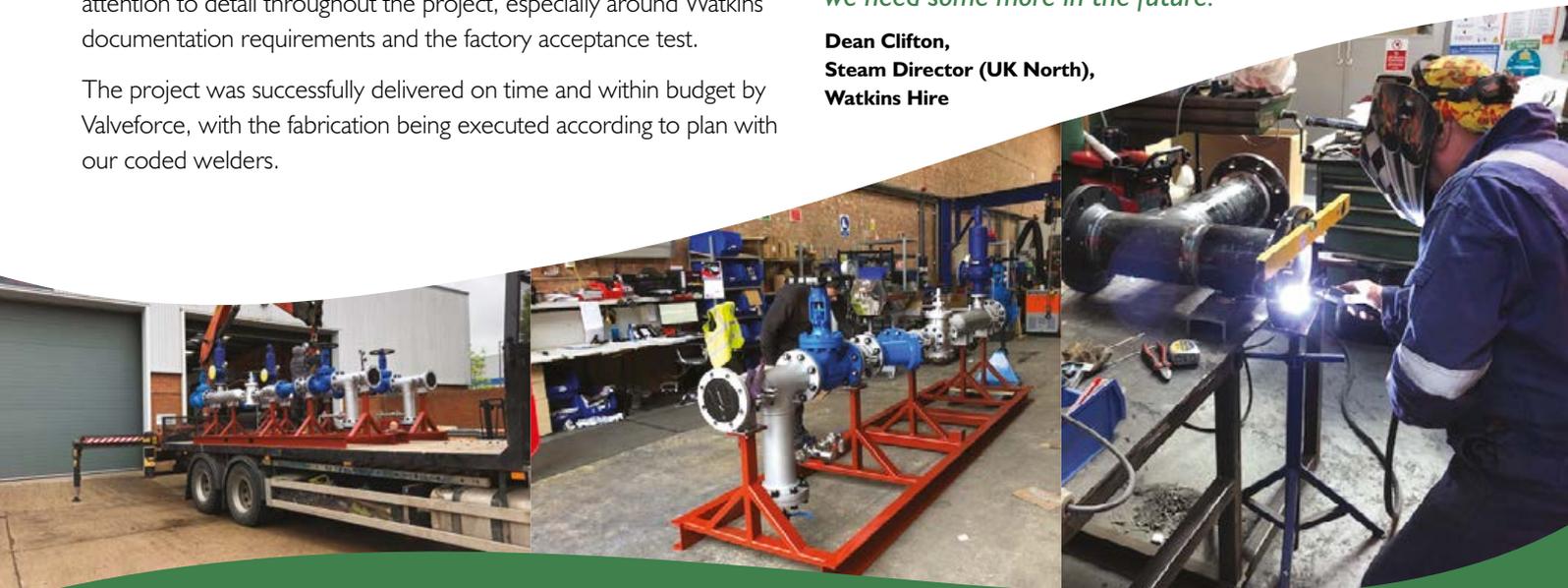
skid 3D model

The project required Watkins and Valveforce to work together in a cohesive open manner, in order to fully understand all the possible applications these skids may be used under. Valveforce had to manage Watkins expectations, whilst technically justifying the design process together. Due to the nature of the project, there was a meticulous attention to detail throughout the project, especially around Watkins documentation requirements and the factory acceptance test.

The project was successfully delivered on time and within budget by Valveforce, with the fabrication being executed according to plan with our coded welders.

“Valveforce successfully delivered areas of the project within the timescales and budget set. Thank you for pulling out the stops and delivering a great job. These skids are brilliant quality; we will be back to you when we need some more in the future.”

**Dean Clifton,
Steam Director (UK North),
Watkins Hire**





District Heating Scheme Valve Specialists

At Valveforce, we are committed to help combat climate change and help the UK reach the 2050 energy target set in the 2008 Climate Change Act. One way the government is looking to achieve this is via District Heating Systems which use a single centralised source to heat a network of buildings. This reduces the reliance on the regular gas boiler heating.

District heating and cooling systems are an important source of energy. It is an environmentally friendly solution as the aim is to provide low carbon energy cheaply and efficiently by using waste heat by products from other sources.

District heating systems generate heat in a centralised setting and distribute across a variety of different sites. Power is mainly produced from a centralised system either biomass or Combined Heat & Power System (CHP). CHP Boilers take the heat from cooling the engine during electricity generation which is then recycled and used to heat buildings. Heat – normally contained in steam – is then transferred to individual buildings through pipes, via substations.

For more than 30 years BROEN have pioneered in district energy by constantly pursuing and refining valve technology and this commitment means, that BROEN blends reliability with quality to position thus are a trusted and preferred supplier for long lasting, efficient energy solutions. Valveforce finds that by partnering with BROEN they have the expertise to create safe, intelligent and lasting solutions that meet regulatory requirements.



How can Valveforce help?

Valveforce's extensive knowledge of the complete system extends from the Energy Centre, underground pipework including the main pipe isolation to the service pipe work and throughout utility plantrooms. As District Heating Schemes are an invaluable source of energy there are increasing requirements in these markets.

The enormous power rushing through a district heating and cooling system puts great pressure on the components which is where Valveforce comes in. Valveforce, working in partnership with the big names in Europe for district heating, is here to provide new and more efficient solutions, specification and technical selection.

Valveforce supplies many types of specific district heating valves into underground buried pipe networks and also above ground distribution and terminal points.

The specific District Heating Equipment that Valveforce supplies are:

- District heating welded ball valves
- Tilting disc low pressure drop NRV
- Isolating butterfly valves
- 2 and 3-way electric actuated control valves
- Differential pressure control valves

At Valveforce we have the experience and a broad product range to really benefit an installing contractor or site operator. Call Marc Bozdogan on 0121 711 1908 or email mbozdogan@valveforce.co.uk to discuss any valve related projects.





Innovative Pumping Technologies

Pumpforce deliver a complete solution for our customers from concept to commissioning. Supported by our group businesses, we are able to integrate process control systems to provide a complete package from a single expert partner.

We pride ourselves on our service capabilities. Pumpforce we can react in emergency situations where critical plant needs urgent attention. We will minimise downtime. Thus ensure that processes and services are restored. Of course, prevention is better than cure. Our planned maintenance of your fluid transfer system can help to ensure that breakdowns are avoided.

Our comprehensive knowledge and experience covers the following:

- Condensate return packages
- Boiler feed water pumps
- Packaged pressurisation units
- Pre-fabricated booster sets
- VSD drives and controls
- Pump control panels
- Pressure and flow switches
- Drive software and commissioning



In addition to supply, we offer the following on-site and in-house services:

- Design
- Modifications
- Repair
- Overhaul
- General fabrication
- Installations

Call Marc Bozdogan on 0121 711 1908 or email him at mbozdogan@valveforce.co.uk to discuss your Pump requirements.





The Boilerhouse Blues by Paul Charlton, Controlsforce

Your boilerhouse is in despair, steam valves or condenser need repair. Don't bury your head in the sand, **the Force Group** team are here at hand. No job is too big or small, so come on partner give us a call.

Faulty steam valves we'll repair for you, but if this is a no can do. Replacement valves we can source, you can rely on us at **Valveforce**.

The condenser needs a different team, it may need welding along the seam. Don't neglect leaks whilst times are sunny, it could cost you lots of money. **Heatxforce** are the team for you, there's no condenser job they can't do. Build a new condenser or do a repair, the Heatx team take pride and care. They'll get it working in no time at all, so send them an email or just call.

So now your boilerhouse is up and running, but somehow does not look stunning. Perhaps a facelift it may require, the controls and wiring may be dire. We have a team within the group, an experienced, friendly, talented troop. If an electrical panel is what you need, your requirements they will exceed. They can design and build panels for you, even write the logic and software too. Electronic repairs on complicated fear, their engineers have no fear. It does not matter if it's big or small, just give **Controlsforce** a call.

The Force Group has expanded quite a lot, **Pumpforce** is the new team on the plot. If water is essential for what you do, we can get the pump that's right for you. If you need a trickle or a stream, call on the expertise of the **Pumpforce** team.

Now that **The Force Group** is complete, why not give your company a well-deserved treat? An overview, a survey or something new, put your trust in **The Force Group** crew.



Paul Charlton

Meet the team....

The Force Group

- Marc Bozdogan – Managing Director
- Josephine Bozdogan – Director
- Caroline Reedman – Finance Manager
- Annette Hulme – Marketing Executive

Controlsforce

- Andrea Gauntlett – Customer Service Administrator
- David Hennessey – General Manager
- Garth Bennett – Control Panel Technician
- Paul Charlton – Control Panel Technician
- Walter Watkins – Electronics Bench Engineer

Heatxforce

- Arturs Lubuzis – Heat Exchanger Engineer
- Ged Griffiths – Business Development Manager
- Richard Evans – Business Unit Manager

Valveforce

- Andy Whyte – Steam Trap Engineer
- Anthony Snee – Services Manager
- Brian Foster – Technical Sales Engineer
- Clement Schoepfer – Technical/ Quality Manager
- Donna Wilcox - Service Coordinator
- Gary Mayne – Business Development Manager
- Halim Mohammed – Technical Sales Engineer
- Lynette Little – Sales Administrator
- Malcolm Franks – Services Engineer
- Mike Kemp – Warehouse Operative
- Nigel Caulton – Services Engineer
- Paul Ashley – Technical Sales Engineer
- Paul Maher – Technical Sales Engineer
- Radek Szuma – Services Engineer
- Tammy Bushell – Commercial Manager
- Tom Spittle – Technical Sales Engineer

Get in touch!

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