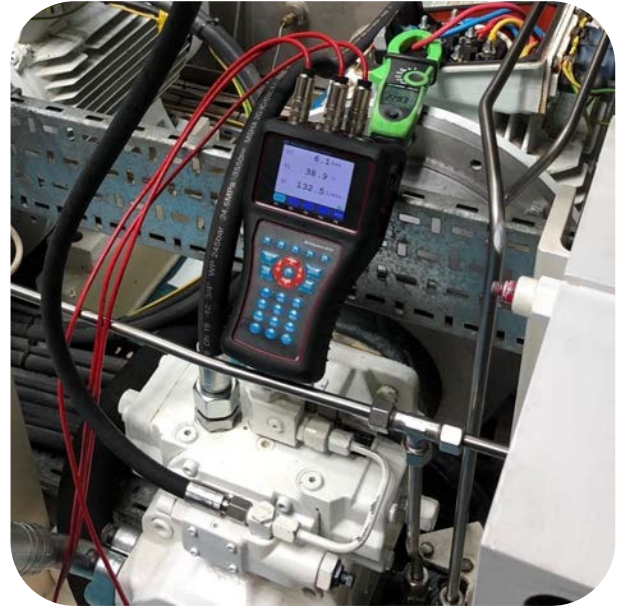


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## Blue Hydraulics Services Catalogue



## ■ About us

### ■ Company Culture

Blue Hydraulics Limited is a privately-owned limited company specialised in hydraulic engineering. Culture is the heart of our organisation, we communicate our values such as respect, honesty, loyalty, dedication and mutual support shaping the way members of our organisation think, behave and approach their work. We believe that the human aspect and the passion for engineering tends to be neglected to prioritise financial, at BH we prioritise human values and passion for engineering to enable our financial success.

### ■ Vision

Be recognised as experts in our field, modernise our industry with innovative thinking, and share our knowledge and passion for hydraulics & engineering.

### ■ Mission

Our mission is to support our customers and provide them an effective solution to any need or problem they might encounter related to hydraulic systems with our dedicated and knowledgeable team of engineers and technicians.



**bsi.**



## Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

This is to certify that:

Blue Hydraulics Ltd  
Unit F Aquarius, Kingsway North  
Team Valley Trading Estate  
Gateshead  
NE11 0JH  
United Kingdom

Holds Certificate Number: FS 690827

and operates a Quality Management System which complies with the requirements of ISO 9001:2015 for the following scope:

All services associated with hydraulics such as design, equipment manufacture, installation & piping, technical support & service and parts distribution.

For and on behalf of BSI:

  
Andrew Lunn, OBEA Systems Certification Director

Original Registration Date: 2010-08-09  
Latest Revision Date: 2019-05-15

Effective Date: 2018-09-09  
Expiry Date: 2021-09-08

Page: 1 of 1



...making excellence a habit™

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract.  
An electronic certificate can be authenticated using:  
Further copies can be ordered at [www.bsi.com/bsi-certificates](http://www.bsi.com/bsi-certificates)

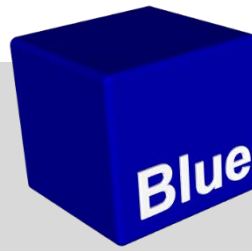
Information and Contact: BSI, Waterlo0 Court, Watlington, Oxon, UK. Tel: +44 (0)1235 933000  
BSI Assurance (UK) Limited, registered in England under number 3080322 at 389 Chiswick High Road, London W6 0AL, UK.  
A Member of the BSI Group of Companies.

### ■ Business Management System BMS

Blue Hydraulics activities are supported by our Business Management System which has been certified compliant with ISO 9001:2015 since the early days of the company. Our system has enabled the company growth based on customer satisfaction, continuous improvement, supply chain management and our employees personal development and wellbeing.

### ■ QHSE Policy

Blue Hydraulics is committed to an incident-free workplace, every day, everywhere. Our performance depends on our ability to continually improve the services we provide to our clients, while protecting the people and minimizing the impact on the environment. We communicate our policies and require an active commitment to QHSE from all our people, customers and contractors for all work activities.

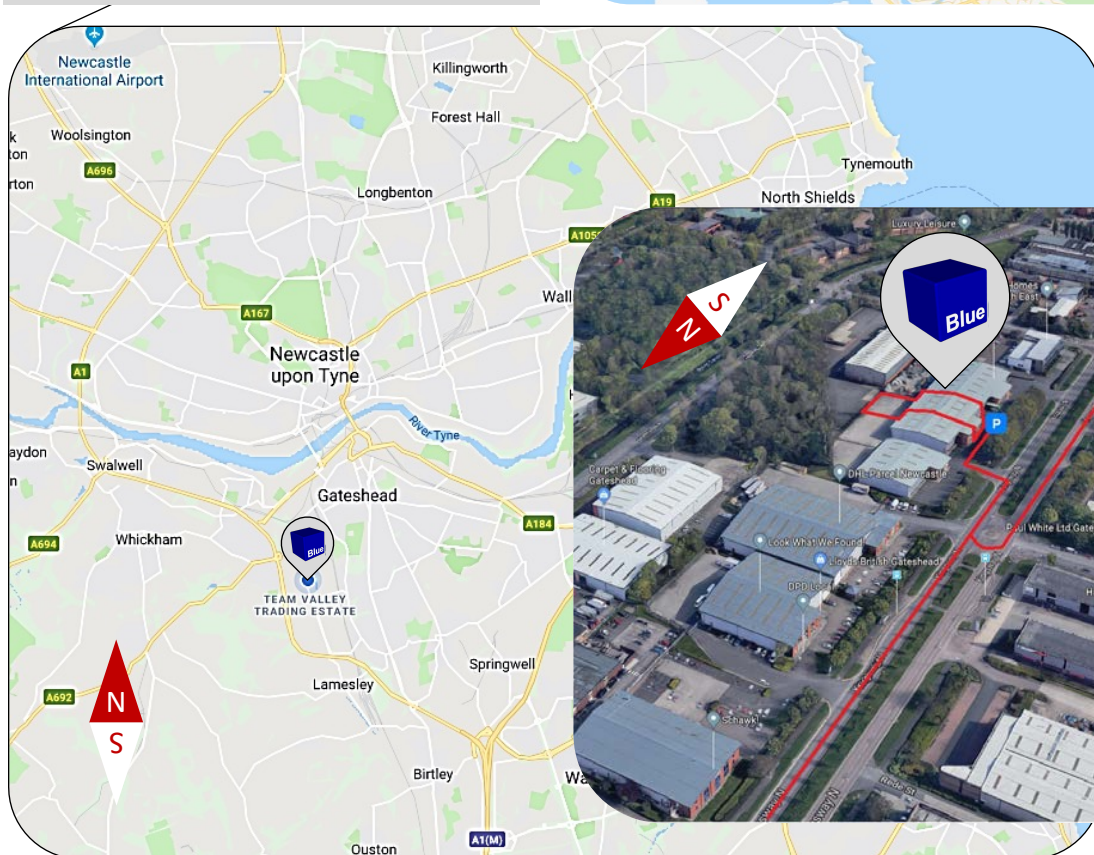


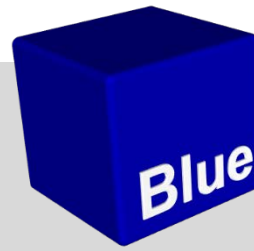
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## Location



- Blue Hydraulics is based in Gateshead, Team Valley Trading Estate, Kingsway North
- 5 min from Newcastle
- 18 min from NCL International Airport
- 25 min from Blyth
- 40 min from Darlington
- 45 min from Middlesbrough





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## ■ Products & Services

### ■ Services

- Design & Consulting
- System Manufacture
- Control & Software
- Bespoke Manifold Manufacture
- Installation & Piping
- Hose Manufacture
- Flushing & Pressure Testing
- Site Technical Support
- Service & Maintenance
- Equipment Rental

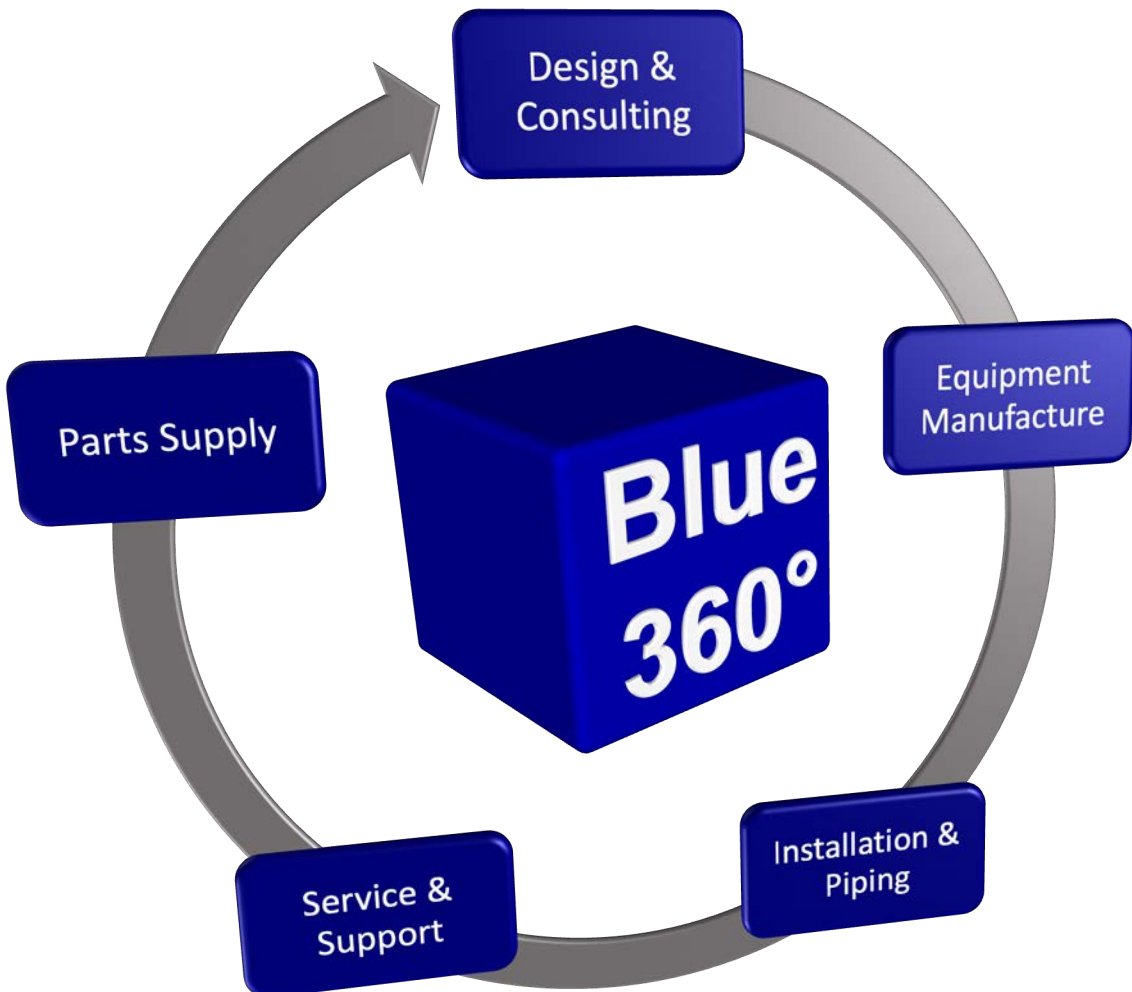
■ Services

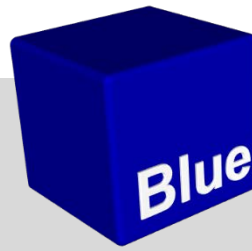


We offer our customers the **Blue 360°** solution, a comprehensive solution which covers any of their needs in hydraulics.

Our team of dedicated and knowledgeable hydraulic engineers will respond efficiently to solve any problem and give you quality service.

**Call us 24/7** for technical support either on site or remotely.



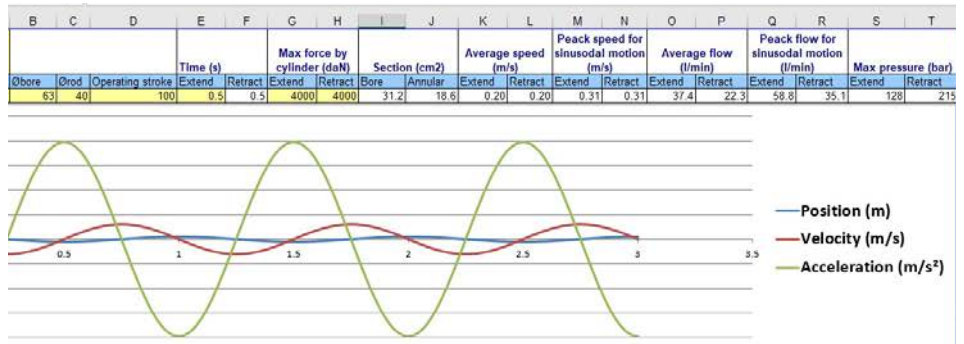
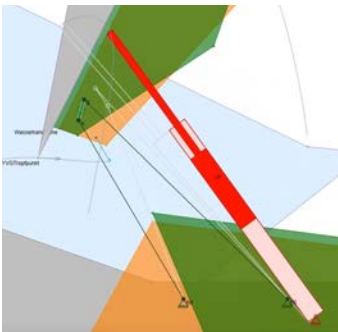


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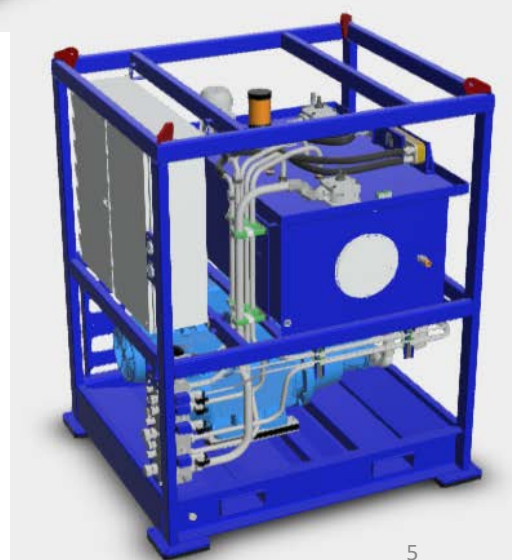
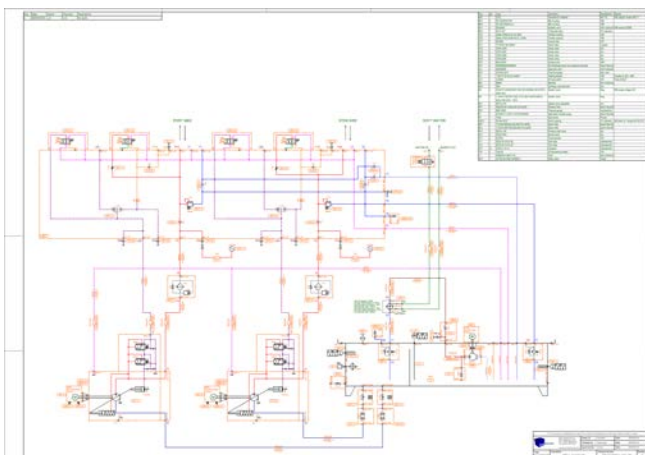
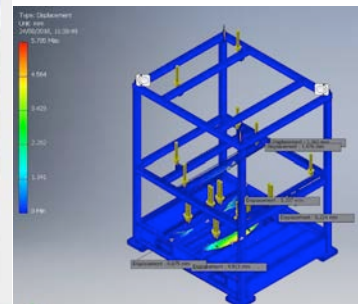
## Design & Consulting

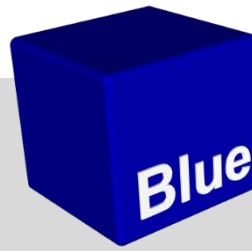


You have a new design idea? Your design needs hydraulics? Contact us from the first step, we will guide you from the concept stage and through the whole design process to optimise the performances and the cost of your concept.



- Mechanical power, force & speed requirement (Static and dynamic)
- Guidance for actuator selection
- Fluid mechanics calculations
- Mechanical, volumetric and overall efficiency calculations
- Heat dissipation calculations
- Hydraulic schematic & BOM
- Components sizing and selection
- Pipe routing
- 3D CAD
- GA Drawings
- Documentation packs





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## ■ System Manufacture

From our customers design or from ours, we manufacture in house any type of hydraulic system from fabrication to testing.



- Fabrication
- Assembly
- Hydraulic Piping
- Electrical Wiring
- Commissioning & Testing
- Hydraulic Power Units
- Hydraulic Manifolds
- Control Consoles
- Test Rigs



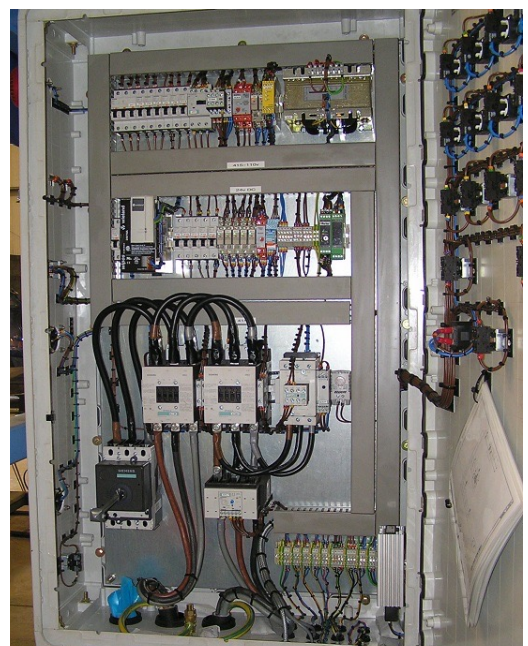
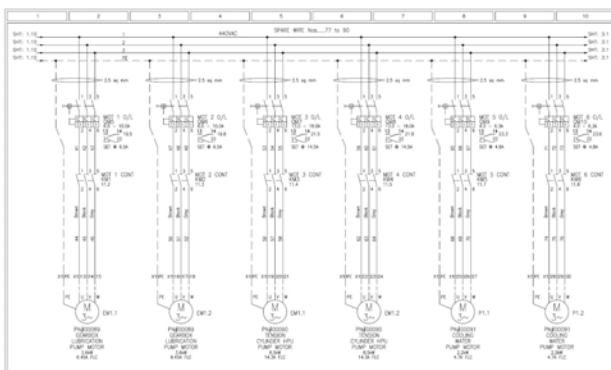
## ■ Control & Software

We offer to our customer a full integrated turnkey solution for hydraulic and control systems.

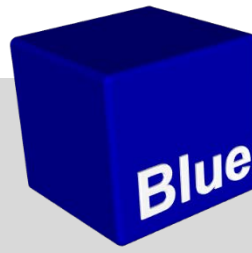
We design and manufacture in house electrical control systems including PLC software programming and servo drive.

Part of the **Blue 360°** solution, we provide services such as design & consulting, panel manufacture, electrical installation & wiring, service & technical support, parts supply.

- Electrical diagram
- PLC Software
- FDS Function Design Specification
- Electrical panel manufacture
- Electrical cable installation & wiring
- Commissioning
- Servo drive
- Electro-mechanical cylinder

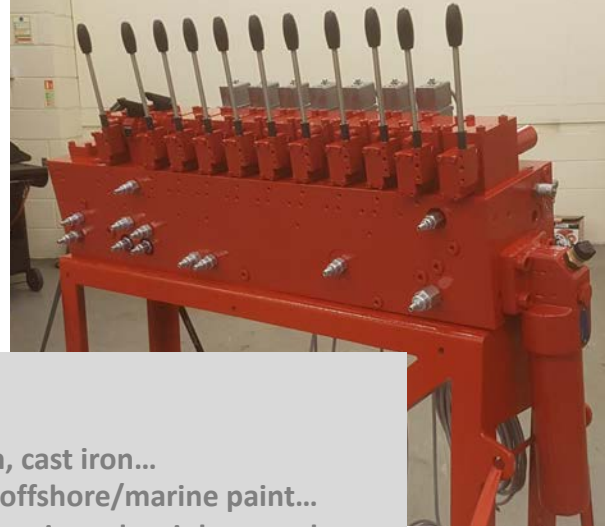
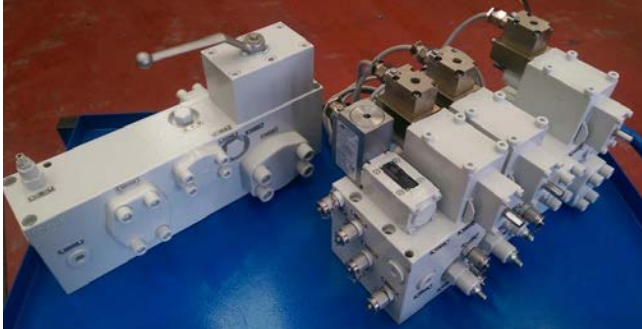






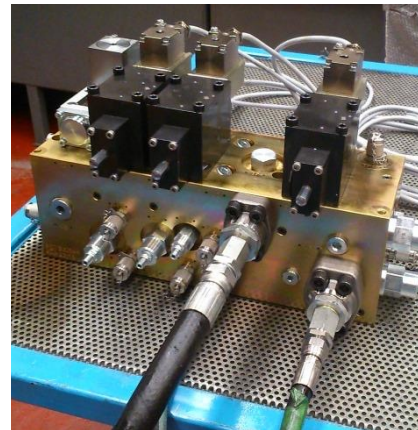
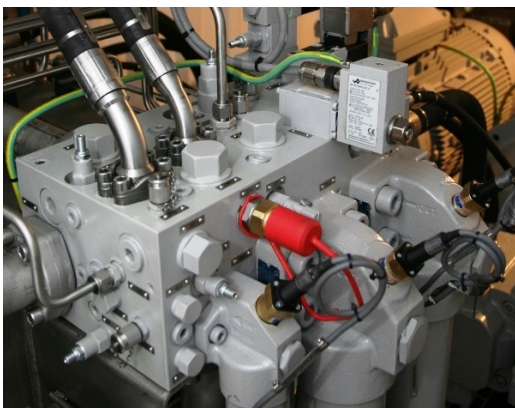
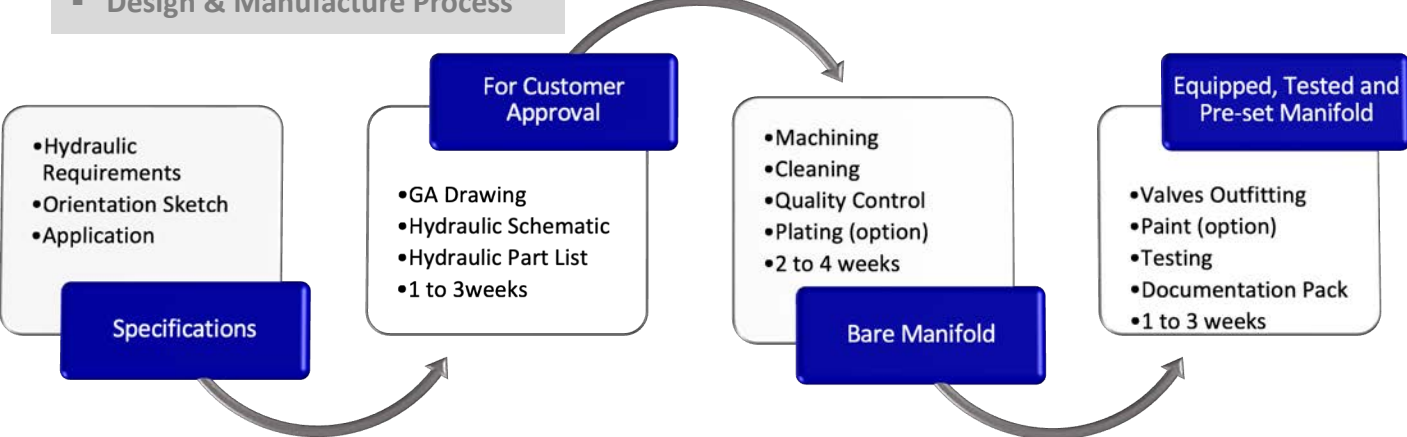
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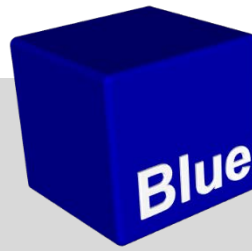
## ■ Bespoke Manifold Manufacture



- Bare or fully equipped
- All sizes
- Material: carbon steel, stainless steel, aluminium, cast iron...
- Corrosion protection: nickel plating, zinc plated, offshore/marine paint...
- Components and ports identification: Engraving or riveted stainless steel tags
- Lead time from 4 to 10 weeks

### ■ Design & Manufacture Process





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## Installation & Piping

Part of a complete engineering project as separate service, we provide on-site installation and piping solutions for our customers.

- Rigid pipework
- On-site hose manufacture
- System flushing & pressure test
- Welded or weld free solutions
- Carbon steel or stainless steel
- DIN2353 fittings
- JIC 37° fittings
- SAE flanges
- Tube forming e.g. EO2® Form, Walform®



## ■ Hose Manufacture

From our complete stock range of hydraulic hoses and fittings of all types in carbon steel or stainless steel 316, we manufacture, flush and pressure test hose assemblies whether for emergency breakdown or large projects.

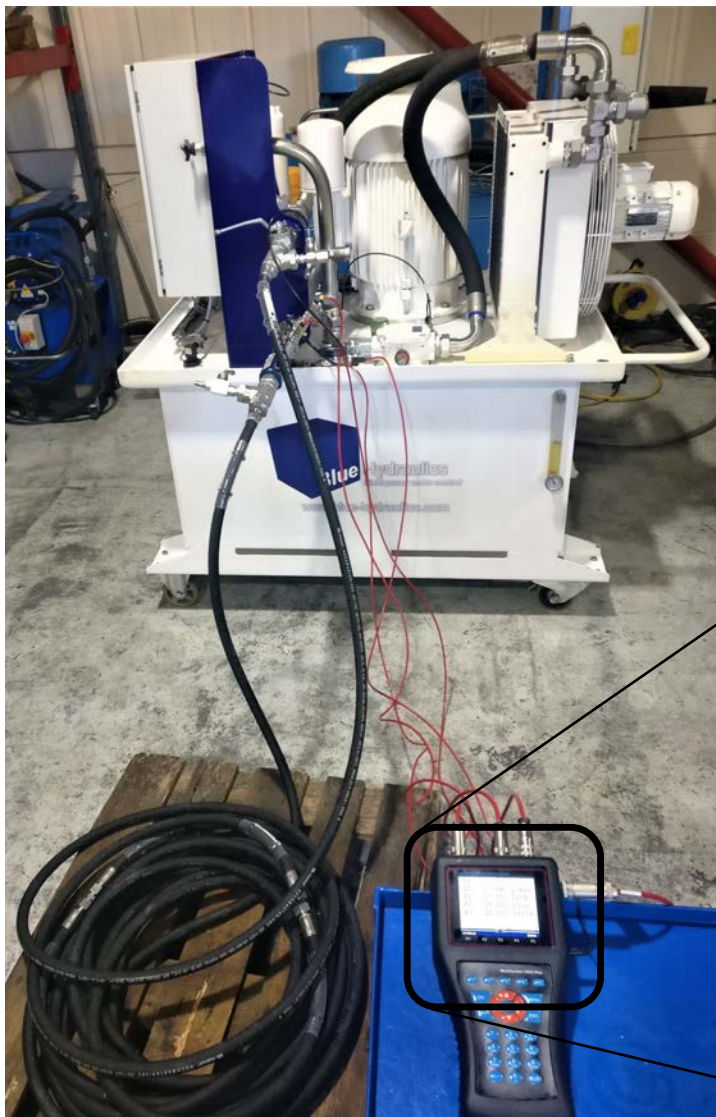


- Emergency breakdown service
- Onsite manufacture and testing
- Flushing and pressure test
- Tagging
- Trade counter
- Inspection Survey
- Hose management system
- Hose register
- Carbon steel or stainless steel 316 fittings
- DIN2353 fittings
- JIC 37° fittings
- SAE flanges
- BSP fittings



## Flushing & Pressure Testing

We offer flushing and pressure test services for either complete system on site or for hose assemblies and pipe spools in our premises.



- Complete system
- Hose assemblies & rigid pipes only
- Flushing & PT post manufacture
- Water and particles contaminated systems
- Pressure, flow, temperature and contamination monitoring with calibrated equipment
- Report with Reynolds number calculation to guarantee turbulent flow
- Procedures as per ISO, DNV, LR, ABS or any other standards



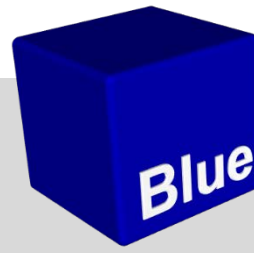
## ■ Site Technical Support

Our experienced engineers can be mobilised locally or worldwide for any kind of technical support from fault finding and breakdown assistance to commissioning and testing including the mobilisation of rental equipment.



- Onshore and offshore worldwide coverage
- Commissioning and installation support
- Testing and performance monitoring
- Hydraulic equipment rental and test setup
- FAT and SAT (Factory Acceptance Test and Site Acceptance Test)
- Inspection survey
- Fault finding and breakdown assistance





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## ■ Service & Maintenance

We help our customers to improve their equipment reliability, guarantee a minimum down time and reduce their maintenance spending by implementing preventive maintenance plans.

- Maintenance contract
- Planned maintenance
- Routine service
- Machine refurbishment & upgrade
- Pumps, motors and components repair
- Oil sampling
- Consumables replacement (Filter elements, seals, hoses, couplings)
- Pump efficiency test
- Accumulator precharge check
- Leak test
- Oil replacement
- Commissioning

