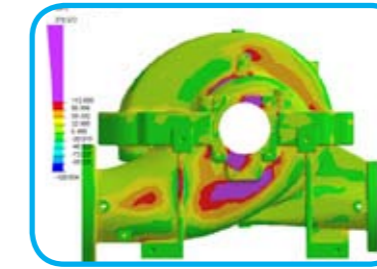
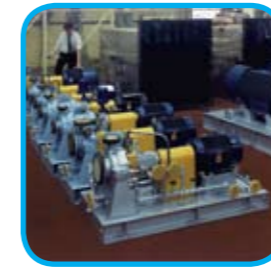




# Aftermarket Service Solutions

Our Supply Chain team differentiate the market by capturing every opportunity possible to reduce lead-time efficiency and to enhance on-time-delivery performance. We remain competitive by setting challenging and accurate performance metrics to improve supply chain visibility in which we define, measure and communicate effectively in order to maximise returns.

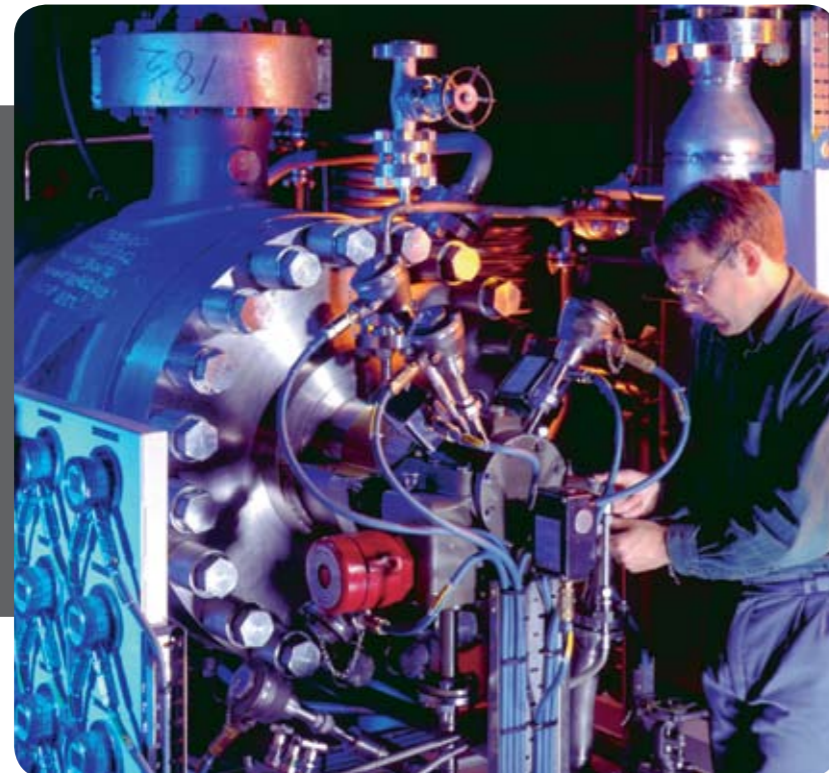


## Service Center Solutions:

- Re-rates, drop-ins, & refurbishments
- Tear-down, cleaning/inspection of all pump models & types
- Impeller repairs & upgrades-standard & exotic alloys
- Non-destructive examination, dye penetrant, magnetic particle, etc.
- Assembly/disassembly
- Dynamic balancing
- Certified welding, piping, & fabrication
- Precision machining
- Training centers
- Certified pump mechanical & performance testing - test loop (on-site or in-house)
- Worldwide locations
- Qualified engineers
- Hard-chroming & shaft repair
- Certified hydrostatic testing

## Technical Support Services:

- Vibration analysis
- Systems evaluation
- Mechanical & hydraulic upgrades
- Pressure surveys
- Computational fluid dynamics
- Lifecycle cost reduction
- Thermal modeling
- Finite element analysis



## Field Service:

On-site inspection and maintenance programs to help prevent unscheduled shutdowns. We work with your plant personnel to develop a detailed inspection and maintenance schedule tailored to present conditions, age, & demands placed on the given system.

- A workforce consisting of OEM factory approved and trained pump servicemen, mechanics, machinists, and engineers
- 24/7 Global Field Service Support
- New pump installation and start-up support
- On-site overhauls and repairs
- Capabilities to service all pump makes & models
- Turn-key mechanical/millwright services
- Laser alignment
- Vibration/performance testing
- Engineering/technical support

## Condition Monitoring, Vibration, On-Site Balancing, & Pressure Pulsation Testing:

CLYDEUNION has a broad range of services available for both centrifugal and reciprocating pumps in the area of condition monitoring, vibration analysis, on-site balancing, and pressure pulsation testing and analysis. These services can be tailored to suit the specific needs of our customers under the most demanding of conditions.

## Insured Safety and Superior Quality OEM Parts from a Name You Can Trust:

- CLYDEUNION – in business since 1850 providing quality OEM parts
- Global Parts Specialists on call 24/7 to provide your parts and service needs
- Expedited parts manufacturing capabilities

## Summing it Up:

- Pump repairs
- Pump manufacturing
- Custom pumps
- Pump testing
- Pump maintenance
- Quality pump replacement parts
- Instruction and training of your operations & maintenance team



# Heritage Products & Spare Parts

At CLYDEUNION we operate a large number of heritage products around the world providing a reliable and economic service. We can guarantee our high integrity original and spare parts are correctly fitted to optimise energy consumption and to minimise failures. Our genuine OEM parts will allow maximum lifespan of your equipment while ensuring reliability and operational efficiency.

**We guarantee supply of parts for all heritage brands & or obsolete products, including:**



- Clyde Pumps
- Union Pump
- Girdlestone
- Mather & Platt
- Harland
- Drysdale
- WH Allen
- Allen Gwynnes

## Best in Class Approach to Supply Chain:

Our Supply Chain team differentiate the market by capturing every opportunity possible to reduce lead-time efficiency and to enhance on-time-delivery performance. We remain competitive by setting challenging and accurate performance metrics to improve supply chain visibility in which we define, measure and communicate effectively in order to maximise returns.



- Risk management
- Understanding & exceeding internal & external customer expectations
- Improving of supplier relationships to meet dynamic need of after-market
- Improving on-time delivery, quality & lead-time reduction
- Global capacity & responsiveness