

High quality OEM parts, service, repair, upgrades & re-rates
Delivering value for our customers

aftermarket

nuclear services





CLYDEUNION Pumps North America Nuclear Services Group



The North America Nuclear Services Group (NSG) is a team of engineering, project management, service and manufacturing support professionals that provide engineered pumps, parts and service as well as pump technical support to nuclear sites in North America.

Nuclear Sector Services

The NSG includes the legacy Union Pump Company nuclear technical staff and utilizes the manufacturing, service and test facilities located in Battle Creek, Michigan, U.S.A. The group has access to the extended technical, manufacturing and service segments of the extended CLYDEUNION Pumps organization including the heritage Weir Pumps product* & Guinard companies.

The Battle Creek manufacturing facility has held nuclear Certificates of Authorisation N and NPT continuously for nearly 40 years and has actively supplied code and safety related pumps throughout this time.



Main Manufacturing Plant
Battle Creek, Michigan

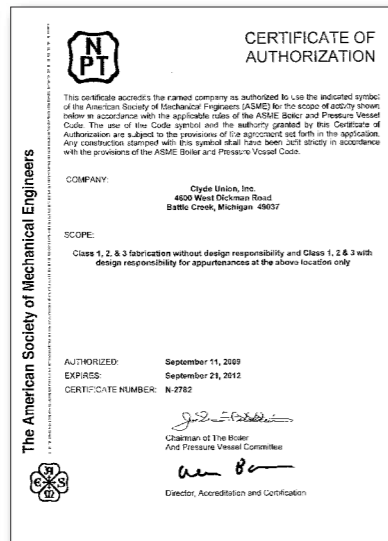
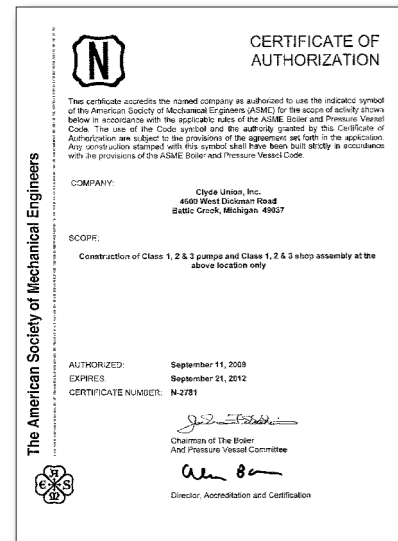
"Certificate of Authorisation" Facilities

N NPT While many pump manufacturers have been unable to acquire or maintain high standards required to design and build nuclear coded pumps, CLYDEUNION Pumps has three "Certificate of Authorisation" facilities, Battle Creek (U.S.A) and our other manufacturing plants at Anney (France) & Glasgow (Scotland).

Our approach to quality is rigorous and is at the heart of our offering from the initial design stages through to sourcing, manufacture, testing, installation and commissioning. Our customers benefit from the experience we have gained from hundreds of installations across multiple nuclear sites & our reliability is second to none in nuclear power stations of numerous reactor designs. Both our expertise and experience brings benefit to your operation and makes CLYDEUNION the preferred choice of supplier.



Control Rod Drive Pump at the test stand



Reciprocating Coolant Charging Pump

Key Capabilities

- Industry leading expertise for engineered centrifugal & reciprocating pumps for both the nuclear island and the balance of plant
- Supply of engineered bareshaft pumps & pump packages
- Original equipment manufacturer (OEM) parts for Union, Weir Pumps* and Guinard pumps, including upgraded OEM parts
- Repair, Overhaul and Upgrade of engineered pumps (includes both contaminated and free released pumps)
- Demonstrated ability to provide logistical support for pumps no longer supported by an OEM
- Nuclear site service including on site pump repair, overhaul, upgrade, installation and commissioning as well as "wellness" inspection/ diagnostics
- Testing of new, repaired, overhauled and upgraded pumps (Hydro, Performance, Endurance, Vibration)
- Provision of pump root cause analysis and solutions
- Technical support for pumps in existing and new systems to assist the site in meeting regulatory requirements



Midwest Service Center
Battle Creek, Michigan

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* This is a heritage product acquired when the Weir Pumps business transferred to Clyde Pumps in May 2007. Likewise the Pompes Guinard brand is representative of heritage and product legacy, CLYDEUNION Pumps currently own the DB Guinard Pumps brand.



Map Key

- Sales
- Service Facility / Authorised Service Provider
- Manufacturing
- + Service Facility in development

SALES SERVICE FACILITY MANUFACTURING

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Our Extensive Brand Heritage:



*Weir Pumps - Mather & Platt - Drysdale - WH Allen
Girdlestone - Allen Gwynnes - Harland



Union Pump - David Brown Pumps
DB Guinard Pumps - American Pump - Pumpline



Joint Ventures & Partners

S&N Pumps - IMBIL - Indonesia - China - India

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