

# Introduction to Polymeric Engineered Solutions Repair Systems

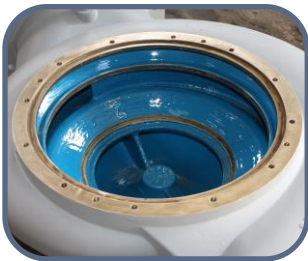
Polymeric Engineered Solutions repair products have been designed to offer repair solutions to many industrial maintenance problems. The materials are widely used by engineers based in the oil and gas, power, marine, water, paper and chemical industries. The benefits of using the Polymeric Engineered Solutions product range include:

- Reduction of life cycle cost of key operating equipment,
- Allows engineers to perform preventative maintenance
- Protection of equipment from erosion and corrosion
- Reduction in downtime of essential process equipment



## Mechanical Repair

The products are based on the latest epoxy resin and Nano particle technology and are widely used within the engineering industry for repairs to mechanical equipment and components. The materials can be used for emergency repairs such as leaking pipe work or tank seams or as planned refurbishment work including resurfacing scored hydraulic rams or drive shafts. Once cured the materials can be machined down to fine tolerances.



## Fluid Flow Protection

The ceramic enhanced product range is ideally suited to rebuilding and resurfacing mechanical equipment and components subject to erosion and corrosion in a fluid flow environment. Typical repairs can include pump casings, impellers, heat exchangers, rudders, bow thrusters and valve casings. The products are available in several grades depending on the type of equipment in need of repair and the working environment they operate in.



## Composite Repair of Pipework

Based on solvent free epoxy technology Polymeric Engineered Solutions composite repair systems are ideal for repairs to problem pipe work ranging from 1" to 36" diameter. The products are widely used within the marine and power generating industries and allow engineers to encapsulate corroded steel or plastic pipe work.



## High Temperature Immersion Protection

Available in brush or spray grade the materials, once fully cured, are capable of protecting equipment against a range of aggressive chemicals including hydrocarbons, acids, alkalis, water and steam at temperatures up to 266°F.