

REPAIR AND RECLAMATION OF EQUIPMENT IS A VIABLE ALTERNATIVE TO REPLACEMENT

Most components wear or break down eventually, but more often than not, replacement is not the only option. Depending on the nature of the wear/damage, we at PINNACLE RE-TEC can offer sound repair and reclamation solutions.

Examples of part failures and damages

- Impeller, Casing Volute Erosion
- Seal Sleeve Wear
- Bearing/Seal Journal & Housing Wear

These are caused by common factors such as friction, corrosion, erosion, chemical attack, poor original component design or incorrect material selection.

In our PINNACLE RE-TEC team we have surface design and engineering specialists with a very wide range of experience of repair and reclamation techniques such as:

- High Velocity Oxy Fuel Coatings (HVOF)
- Plasma Transferred Arc (PTA)
- Electroplating
- Electroless Nickel
- Hot Wire Tig and Submerged Arc Welding
- Induction Hardening and Nitriding

Throughout their careers, the team members have solved problems and undertaken successful engineering solutions for numerous blue chip clients in the UK and abroad.

In three steps, PINNACLE RE-TEC will be able to provide a solution

1. Site visit including process data collection.
2. Component inspection and wear/failure mode investigation.
3. Recommend engineered solutions and facilitate their execution.

Some of the benefits are

- Reduced downtime due to efficient and fast processes and procedures
- Greatly extend the component life
- Cost benefit vs. replacement

If you are interested to learn if your equipment can be repaired and reclaimed rather than replaced, please give us a call and arrange a meeting with our engineering team.



TIG welding to build up lost material



HVOF coatings can improve wear resistance and part life



Chrome-plating to reinstate the surface