

TB5000 SGT-200/Tornado SGT-100/Typhoon

Advanced Repairs available only from Liburdi Turbine Services

The Liburdi Advanced Repair Program offers:

- Extended Reliable Service Life
- Reduced Maintenance Expenses
- Component Upgrades that Address Design Deficiencies

The Advanced Repairs developed by Liburdi are being used by oil & gas companies worldwide to fully restore critical turbine components at a fraction of the cost of new replacement parts; maintaining or improving component integrity while creating significant savings for the operator.



Liburdi Advanced Blade and Vane Repairs

Turbine CT1, CT2 Blade Repairs and Upgrades

The Liburdi technologies used to restore and extend life include:

- Full coating strip and replace with oxidation/corrosion resistant Aluminide Coating
- Upgrade to Platinum Aluminide if required for severe service
- FSR® Full Solution Rejuvenation® heat treatment restores alloy strength
- High-hour service - parts are re-certified to meet new-part specifications
- Tip weld repairs to restore original tip seal height, to regain efficiency and power
- Upgrade for CT1 shroud lift distortion – re-profile of shroud reduces stress and prevents future distortion

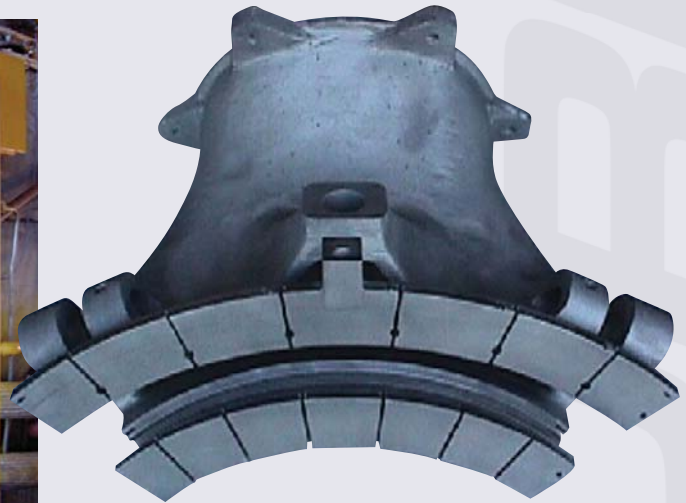
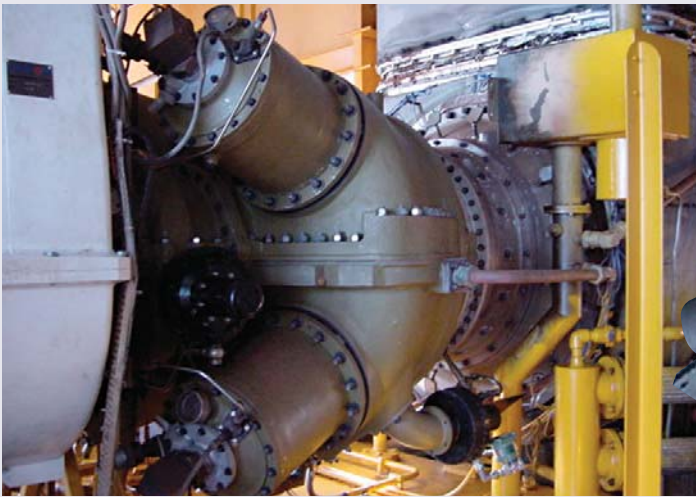
Turbine CT1, CT2 Vane Repairs and Upgrades

- Full coating strip and replace with upgraded oxidation/corrosion resistant Aluminide Coating
- Upgrade to Platinum Aluminide if required for severe service
- LPM® high strength process to repair crack damage outperforms conventional weld repairs
- LPM® to restore airfoil thickness and dimensions – not possible with conventional weld repairs

Advanced Combustor Repairs for TB5000, SGT-200/Tornado, SGT-100/Typhoon

Combustor Repairs and Upgrades

- Combustor Liner receives matching strength weld repair of crack damage
- Full strip and replacement of all coatings
- Transition Pieces (Quadrants for the TB) are repaired by welding minor crack damage and by high strength LPM® for major damage – enabling repair of all parts regardless of damage



Liburdi's engineering team leads the industry in the development and application of component upgrades that address original design deficiencies and yield improved durability and increased power and efficiency.

LPM® is a patented process of Liburdi Engineering Limited. LPM® has achieved a proven track record over the past decade and is approved by OEMs for both repair and the manufacturing of new parts.

Liburdi's extensive experience with rejuvenation heat treatment processes, combined with its unique stripping and coating capabilities, ensures that every repaired component meets or exceeds the original equipment performance and durability requirements in future service.

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