

ENGINEERED REPAIRS AND MANUFACTURING TECHNOLOGIES -ERMT

O & M Agreements, MRO, LTSAs, Exchange Programs, Complete Overhauls, Outage Support, Reverse Engineering.....

MARINE SERVICES

Utilizing the most advanced cutting edge technologies - Truly independent -Technology neutral



Undersized tail shafts restored.



Pinion Shafts restored.

- Cracked castings – 100% effective cold engineered repairs (Engine Blocks, Cyl. Heads, Transmission Housings.....)
- Polymer Engineering repairs
- Pintle Housings, Tail Shaft undersize, Tail shaft wrapping (ABS, Bureau VERITAS....approved)
- Engine Blocks, Heads, Turbo Casings and Spindles
- Steam Turbine Cracks and repairs
- Scored Hydraulic Rams and Cylinders
- Restoration of conical or tapered areas
- Pump repairs
- Electric motor sections and conductivity enhancements
- Crankshaft dimensions restoration (Crank Pin, Main). Shot peening to specs if required.
- Material Characterization(s)
- Parts modeling, design, reverse engineering with Solidworks, Inventor, CAD/CAM, Finite Element Analysis, CFD, Virtual Casting simulations.....

To mention a few.....

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Mailing address: 470 Broadway No. 354, Bayonne, NJ 07002 www.ENGMRT.com
And other strategic locations.

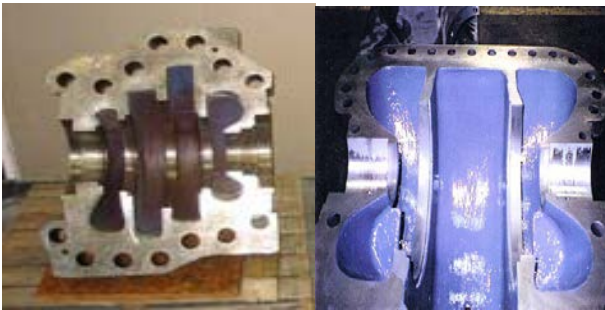
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Tails shafts dimensioning back to OEM specs at a fraction of replacement costs.



Pumps restored to better than new OEM Specs.

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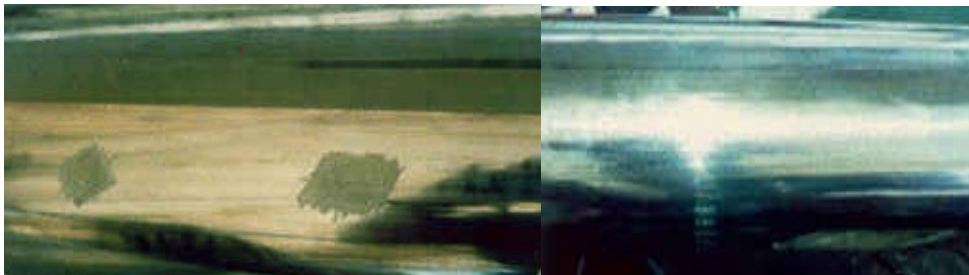
- *Our Engineering and Technology portfolio includes, but is not limited to (always conscious of the best alternative to Haz-Materials):*
- *Powder metallurgy*
- *Plasma transferred weld*
- *Polymer Engineered repair technologies*
- *ESD deposition(dry, wet)*
- *100% effective cold casting repair technologies achieving greater than 100% joint efficiency*
- *Plating – Microfuse™*
- *HVOF*
- *Other innovative technologies*
- *3D Modeling*
- *CAD/CAM*
- *Reverse Engineering*
- *Finite Element Analysis*
- *Professional Engineers on staff*
- *Metallurgical experts*

Among Others.....

MARINE SERVICES



8 MW Marine Engine Block fully restored after cylinder area catastrophic failure.



Hydraulic Rams – Before and After.

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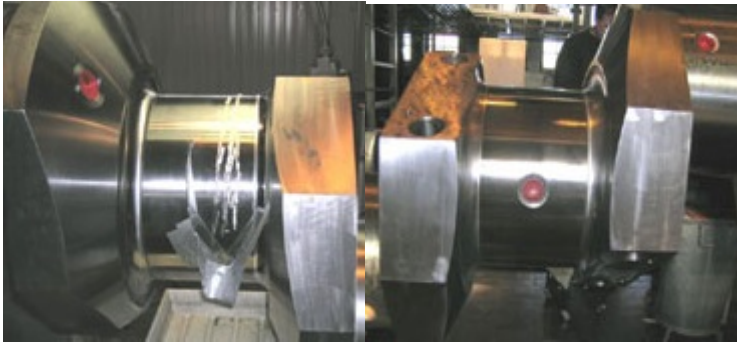
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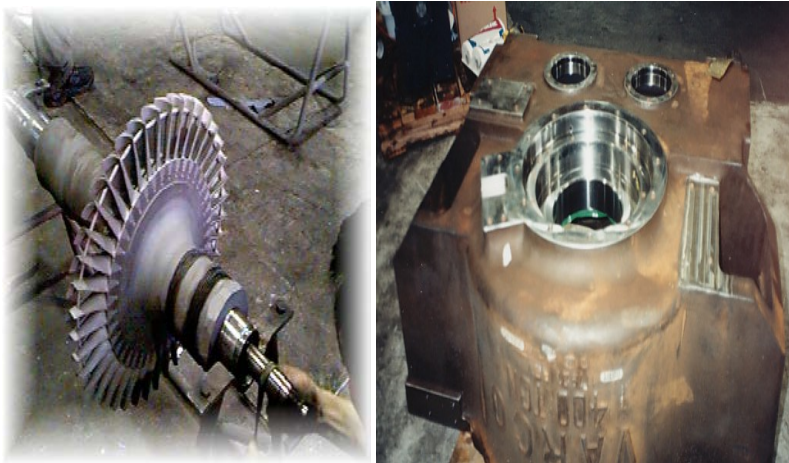
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Crankshaft Crankpin damaged and repaired afterwards.



Turbo Wheels and Housings. Oversized Bearing housings restored to OEM specs.



Deck equipment restored to OEM specs.

Minority owned and operated

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