



**RELIABLE PERFORMANCE  
and PUMP**  
NEVER SATISFIED, ALWAYS IMPROVING!

# YOUR RELIABILITY EXPERTS

## Our Mission

Our mission is to enhance equipment efficiency by providing precision maintenance repair and using new technologies to reduce equipment costs and failures. We value our customers, your needs are our priority!

## Why Choose Us?

- Save a LOT of money
- Over 50+ years of hands-on industry experience
- Proven track record of reducing costs and boosting reliability
- Reliability improvements that minimize future failures
- Reliability-focused approach to problem-solving

## Industries We Serve

- ✓ Power Generation
- ✓ Foundry
- ✓ Oil Refinery
- ✓ Ethanol
- ✓ Manufacturing
- ✓ Mining
- ✓ Sugar
- ✓ Pulp + Paper

## Our Expertise



### Industrial Equipment Repair

Pumps, General Purpose Steam Turbines, Gearboxes, Mixers... and much more.



### Seal Support Repairs

Rebuild seals from any OEM manufacturer and design new seals tailored to your needs.



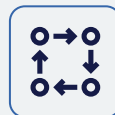
### Bearing Isolator Service

Supporting and servicing bearing isolators from Inpro.



### Metal Repairs

Shaft, Impeller, and Pump Case Repair (cracks in cast iron).



### Reverse Engineering

3D CAD scanning and creation of precise dimensional prints.



### Dynamic Balancing

Precision balancing of rotating equipment for optimal performance.



### Machine Shop

Fabricate, Machine and Manufacture

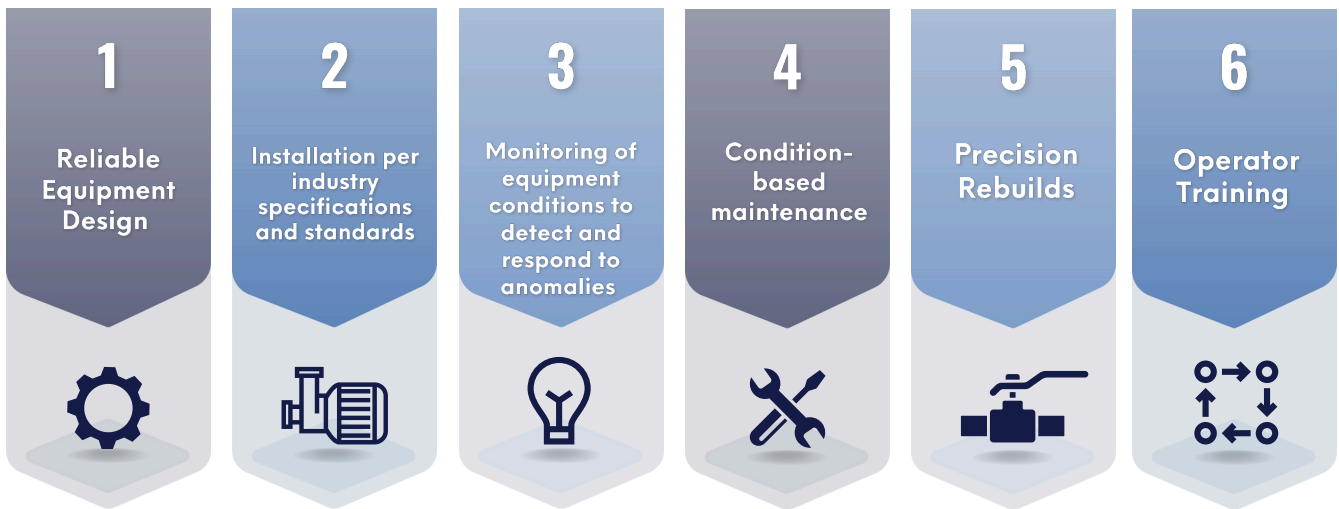




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# WANT TO ELIMINATE UNPLANNED EQUIPMENT FAILURES?

## You Need...



## Quality Work Done by Reliability Experts...

- ✓ Specialists in rotating equipment maintenance and reliability
- ✓ First-hand industry experience in repairs and maintenance
- ✓ Equipment failure analysis included with all repairs
- ✓ Detailed inspection reports include as-built specifications + final specs, tolerances
- ✓ Follow API, OEM industry best practices for repair specifications and tolerances



## Does Your Team Have the Time and Expertise to Ensure Reliable Pump Performance?

Let us handle the heavy lifting!

**Proven Industry Know-How** With years of hands-on experience, we deliver effective, long-lasting repairs and maintenance for fluid process equipment.

**Insightful Analysis and Reporting** Every repair includes a thorough failure analysis and detailed inspection report for complete transparency.

**Reliability Built Into Every Repair** Every repair includes reliability recommendations that can be incorporated immediately reducing risk of future failure frequency and severity.

**Dependable Pump Performance** Our dedicated Service Pros ensure your equipment operates efficiently, minimizing downtime and boosting reliability.



Burnsville, Minnesota



Burnsville, Minnesota

Relpumps.com

Sales@relbalancing.com





# WE SERVICE AND REPAIR ALL MAKES AND MODELS....

## Pumps

- ANSI
- API
- Paper stock
- End Suction
- Split Case
- Fan Pumps
- Submersible
- Rubber-Lined
- Self-priming
- Vertical Turbine
- Multi-stage
- Boiler Feed
- Progressive cavity
- Rotary lobe
- Gear pumps
- Screw pumps
- Air operated diaphragm
- Metering pumps
- Reciprocating pumps

## Power Transmission

- Gear reducers
- Concentric
- Cycloidal
- Gear motors
- Helical
- Multispeed
- Parallel gear
- Planet gear
- Screw conveyor
- Shaft mount
- Worm gear
- Clutches/brakes
- Electromagnetic
- Hydraulic
- Mechanical
- Pneumatic

## Rotating Equipment

- Gear boxes
- Mechanical drives
- Mixers
- Agitators
- Rotary airlocks

## Blowers

- Industrial fans
- Industrial blowers
- Multi-stage centrifugal blowers
- Positive displacement blowers

## Mechanical Seals

- Seal Repairs (of any manufacturer)
- Split Seals
- Cartridge Seals
- Seal Support Systems
- Seal Design, Installation

## Reconditioning Services

- Impellers
- Casings
- Wear rings
- Wear plates
- Stuffing box covers
- Rotors



## Get to Know Our Service and Repair Solutions...



### Emergency Services

24/7 Emergency Services Call:  
952-913-5983.



### Predictive Maintenance

Advanced Tools like Vibration,  
Lubrication and Thermography  
Analysis.



### HVOF Carbide Coating

Repair and Reliability  
Improvement.



### Full Service Machining

Complete Machine Shop: CNC  
Machines, Line Boring (shop + in  
field) ...and much more.



### Rebuild

Pumps, Turbines, Seals... and much  
more.



### Enecon Coating Products

Rebuilding, Resurfacing and  
Protecting all types of equipment.



### Preventative Maintenance

Prevent Unplanned Failures.  
Reduce Annual Maintenance  
Costs.



### Complete Rehabs

Get more life from Capital  
Equipment.

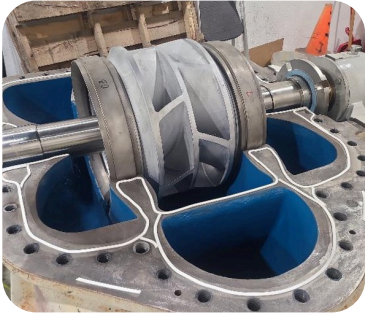


### Bearing Isolator Service

Supporting and Servicing Bearing  
Isolators from Inpro. Air Mizer  
Products.



# OUR SUCCESS

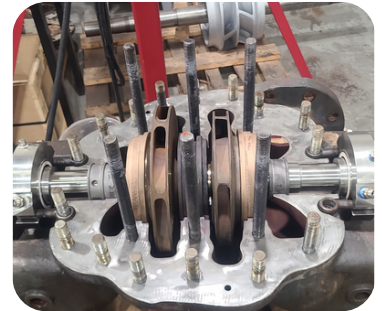


## Cooling Water Pump Repair: Fast, Cost-Effective Solution

- Repaired large cooling water pump, **saving client 40% vs. buying a new pump.**
- Applied durable coatings and upgraded seals for **better performance** and **longer lifespan.**
- Completed repair in **2 months**, significantly faster than 6-8 months for new parts.

## Boiler Feedwater Pump Overhaul: Reliable Results

- Overhauled client's pump in just **7 days**, preventing operational risks.
- Restored to **OEM/API standards**, **fabricated parts**, and **upgraded seals.**
- Improved performance with **low vibration** and **increased reliability.**



## Sulzer ZTT Pump Shaft Seal Sleeve Repair

- Clients faced operational risks from wear on turbine shafts, valve stems, control valves, pump, and fan shafts.
- Used **High-Velocity Oxygen Fuel (HVOF)** technology to apply durable carbide materials.
- Repairs enhance wear resistance, **reducing future failure risks.**

## Fouling-Resistant Coatings: Rotating Equipment

- Advanced **fouling-resistant coatings** reduce sticking on rotating equipment (augers, conveyors, pumps, fan wheels, impellers).
- Minimizes vibration and damage from sticking/jamming, **ensuring smooth operation.**
- Reduces the need for cleaning shutdowns, **improving efficiency** and **reliability.**



## Client Review



*" I was fortune enough to see this reassembly in progress. Top notch technology and attention to detail! "*

