

EVANS HYDRO



Engineering Pumps for Better Performance and Longer Life





We are pump experts

At Hydro, the pursuit of excellence isn't just a goal – it's the heart of our business. We harness innovation and experience to deliver pumps that are safer, more reliable, and more efficient.



For over half a century, we've set the industry standard for quality and customer service in remanufactured equipment. Today, Hydro delivers engineered solutions that maximize equipment life and performance.

Our comprehensive services are backed by proven expertise and designed to support you in every aspect of pump ownership – with a focus on minimizing your total life cycle costs.

Evans Hydro – Powerful Capabilities

Hydro's 20,000 sq. ft. service center near Los Angeles, California combines the comprehensive, engineering-focused services of a large OEM with the responsive service and competitive cost of a smaller independent company. With subject matter expertise across OEMs, Evans Hydro meets the most complex pump challenges. We have developed solutions that improve pump reliability across applications and industries, with a particular focus on water, power, oil and gas, chemical, and fire prevention.

Complementing our hard-earned experience is our commitment to engineered improvements and cutting-edge technologies. This combination of an unbiased outlook, experience, and innovation have allowed Evans Hydro to become one source of total support for pump users worldwide.

We put an emphasis on practical, long-term solutions and are committed to our customers – not to a brand.

[Scan to read case studies of solutions provided across industries >](#)

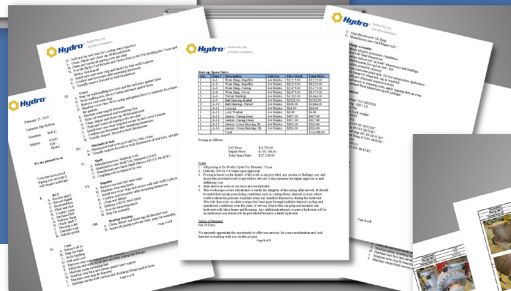
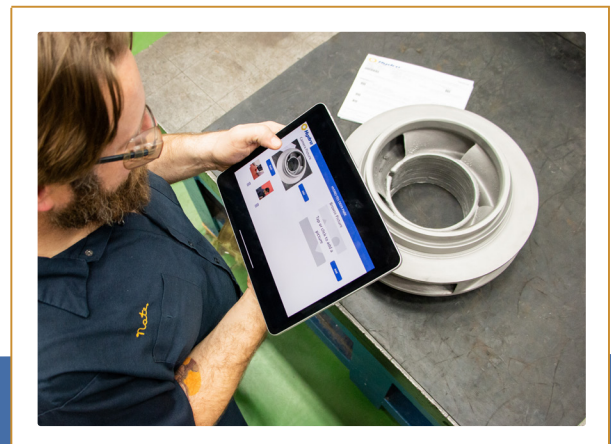


Building Blocks of a Quality Repair

Improving performance and extending life isn't always about making big changes to design and operation. Small improvements can result in measurable benefits. Hydro earned its reputation for quality by paying attention to the details and exceeding industry standards for rotating equipment repair.

At the root of a quality job is a quality process. Our total support framework is built on decades of accumulated expertise and commitment to a rigorously developed and carefully implemented Enterprise Resource Planning (ERP) System.

Hydro's ERP System was specifically configured for the pump aftermarket and provides an integrated view of core business processes. Shared databases allow us to communicate vital engineering data across our entire service center network and generate consistent, uniform parts lists for every pump that comes into one of our shops.



Our proven approach combines a thorough inspection with rigorous quality standards.
Each repair includes:



- Comprehensive documentation during disassembly and inspection that captures critical measurements and identifies potential reliability issues



- Engineering analysis that applies new technology and makes recommendations for performance improvements



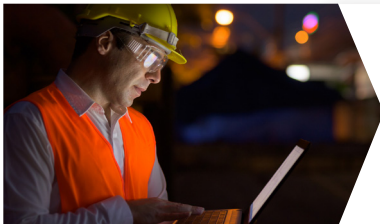
- Strict process controls and documentation to ensure consistent, high-quality results and enhance accountability



- Stringent acceptance criteria for critical tolerances to minimize wear and maintain design clearances



- Quality verification at every step to minimize rework and maintain on-time delivery



- As-built documentation to highlight all aspects of the service provided and ensure transparency to the end user

The Result:

Optimized performance, extended service life, and reduced costs

Rebowling for Reliability

Much of our infrastructure is aging, improperly sized, and not built to a standard that provides maximum performance and reliability. Evans Hydro helps end users optimize pump performance to better meet the operating requirements of the system.

For vertical pumps, we combine a new hydraulic assembly with improved construction. Pump rebowling allows us to select the best hydraulics for the given application, increasing reliability and reducing parasitic energy costs.

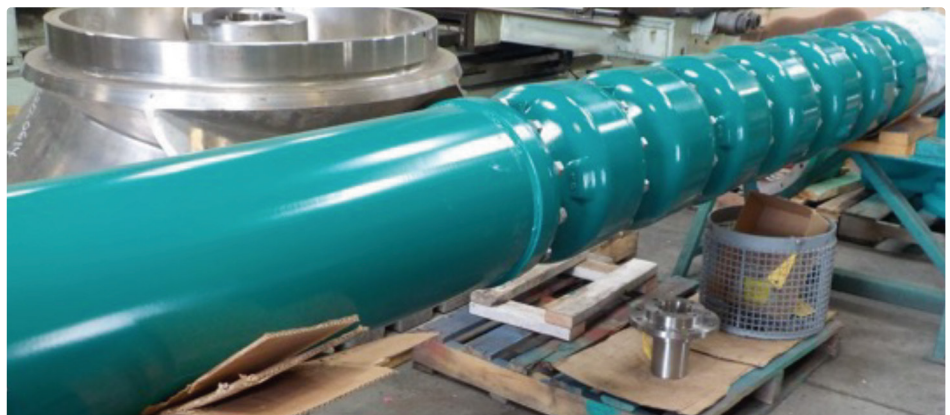
When necessary, custom columns, discharge heads, and motor supports can be fabricated to match the installation's field envelope dimensions. This allows us to match the existing footprint without modification, saving time, money, and resources compared to "off-the-shelf" OEM products.

Rebowling Benefits

- Access to bowls and impellers from more than seven OEMs, providing broad selection base
- Performance optimization meets required demand at highest available efficiency
- New hydraulic assembly supplied for obsolete equipment
- Manufactured to stringent criteria that exceed typical OEM standards
- Improved construction reduces wear and maximizes rotor stiffness and damping



Evans Hydro remanufactures vertical pumps to optimize their hydraulics. We have access to bowl assemblies manufactured by multiple OEMs and can accommodate a wide range of flows and pressures.

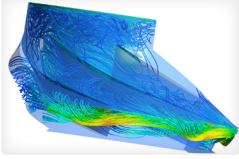


One source. Total support.



Quality Pump Repair

Comprehensive Inspection | Stringent Tolerances | Design Improvements



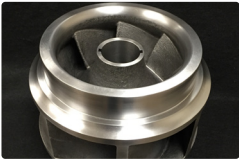
Engineering Services

Root Cause Evaluation & Analysis | Engineered Upgrades & Rerates Performance Optimization



Reverse Engineering

Advanced Laser Scanning | Hydraulic Performance Verification
Field Data Capture | 3-D modeling



Critical Parts Solutions

Expedited Cast & Machined Parts | Inventory Optimization | Deviation Analysis



System Reliability Services

Advanced Troubleshooting & Vibration Analysis | On-Site Performance Testing
System Optimization | Health & Energy Audits



Field & Emergency Services

Technical Field Supervision | Turnkey Solutions | Field Machining



Certified Performance Testing

Hydraulic Institute Certified | Responsive Lead Times | Custom Test Configurations



Condition Monitoring

Wireless Solutions | Remote Real-time Alerts | Dedicated M&D Center
Subject Matter Expert Insights | Analysis, Diagnostics & Solution Development



Custom Pump Design & Manufacturing

Drop-In Replacement | Optimized Hydraulics | Obsolescence Solutions
Hydraulic, Mechanical & Metallurgical Optimization



Education & Training

Skill Development by Industry Experts | Classroom, Hands-on & Online
Interactive Maintenance Procedures for Electronic Learning (IMPEL®)
Corporate Partnerships



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