



# ➤ Perceptive Technologies™ Services



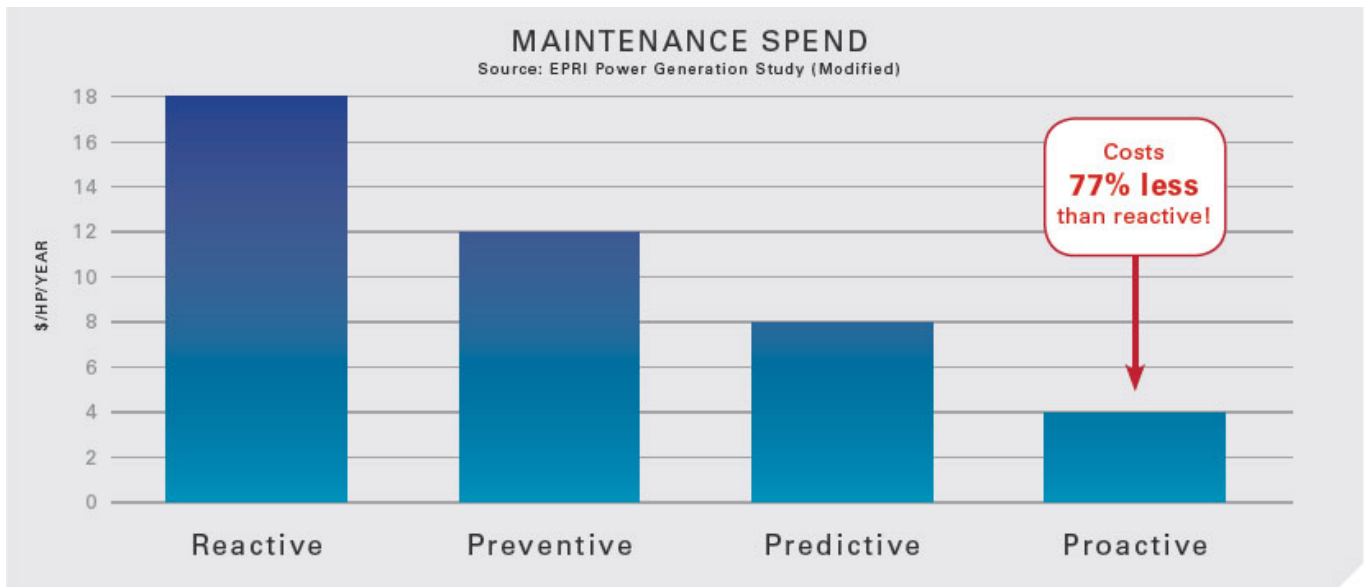
Contact Our Experts

Learn more about how this solution can power your business.

Phone: 800-626-2093 ext. 7

## *There is a Better Way to Operate*

What if you could see the future and change it?



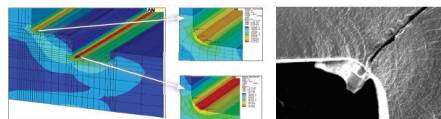
... And move from reactive to proactive maintenance to maximize profits?

## ***A Proactive Approach Combining Decades of Experience with New Technology***

### **Reliable Resources**

#### Reliability Engineers

- Certified & Qualified
- Global Reach
- Electro-mechanical Capabilities



#### Predictive Technologies

- Wireless Torque
- Vibration
- Motor Current Signature Analysis
- Ultrasonic
- Infrared Thermography
- Lubrication Analysis

#### Proactive Measures

- Root Cause Investigation
- Finite Element Analysis
- Metallurgical Testing & Analysis

### **Available Services**

We combine our extensive electrical and mechanical power transmission product knowledge and our vast application experience with our diagnostic tools and troubleshooting expertise to provide complete technical service to our customers.


- **DIAGNOSTICS:** Utilize advanced technologies to measure vibration, strain, temperature, power, current-voltage, etc., to determine existing state and measure the effects of changes in products or processes.
- **EDUCATION:** On-site, Off-site, On-line and/or in-person training to help customers understand products for better application, installation, use, and maintenance to affect their return on investment.
- **DESIGN:** Assist customers in reviewing application needs, selecting products and providing certified layouts and bills of material.
- **INSTALLATION:** Provide installation and commissioning of Regal® products.
- **MONITORING:** Using proprietary algorithms, it monitors the performance operations of customer equipment to improve total cost of ownership.
- **REPAIR:** Repair, rebuild or refurbish damaged or worn power transmission products.


### **A Single Online Monitoring Solution to Drive Costs Down and Maximize Profits**

• On-line 24/7 monitoring, analysis & alerting


- On-line, 24/7 monitoring, analysis & alerting
- Remote connectivity
- Critical asset monitoring
- Building Management System (BMS) integration
- Maintenance system integration
- Multiple facilities - a single platform
- Multiple data sources & types – a single platform

Devices					
Device Status	Device Location	Device Name	Device Class	Device Type	Device Model #
<input type="checkbox"/>	Wichita – Pump Station A	Motor 1	Class IV	Large Electric	8PE48A110787AP R130
<input checked="" type="checkbox"/>	Wichita – Pump Station A	Motor 2	Class IV	Large Electric	8PE48A110787AP R130
<input type="checkbox"/>	Wichita – Pump Station A	Motor 3	Class IV	Large Electric	8PE48A110787AP R130
<input type="checkbox"/>	Wichita – Pump Station A	Motor 4	Class IV	Large Electric	8PE48A110787AP R130




Link to M2 CAD drawing




Temperature (F)  
9000


Raw Device Info  
Model Number: 8PE48A110787AP R130



Vibration-X (G)  
1200




Vibration-Y (G)  
200



Vibration-Z (G)  
400

Recommended Actions


1. Inspect M2 rear bearing
2. Check M2 / P2 alignment



One platform • Data agnostic • Advanced analytics

See how Regal can help you see the future, and change it

## AR/Perceptive Technologies Give All Info Neede...



## Prescriptive Analytics

### Outcome-driven asset management...

- Deliver Services which provide outcomes
- Utilize an ecosystem of products to execute services
- Promote sustainability to facilitate customer success

### With a direct impact on shareholder value

Availability,  
Throughput,  
Quality



Largest gains typically from increased availability

Safety & Environmental Incidents



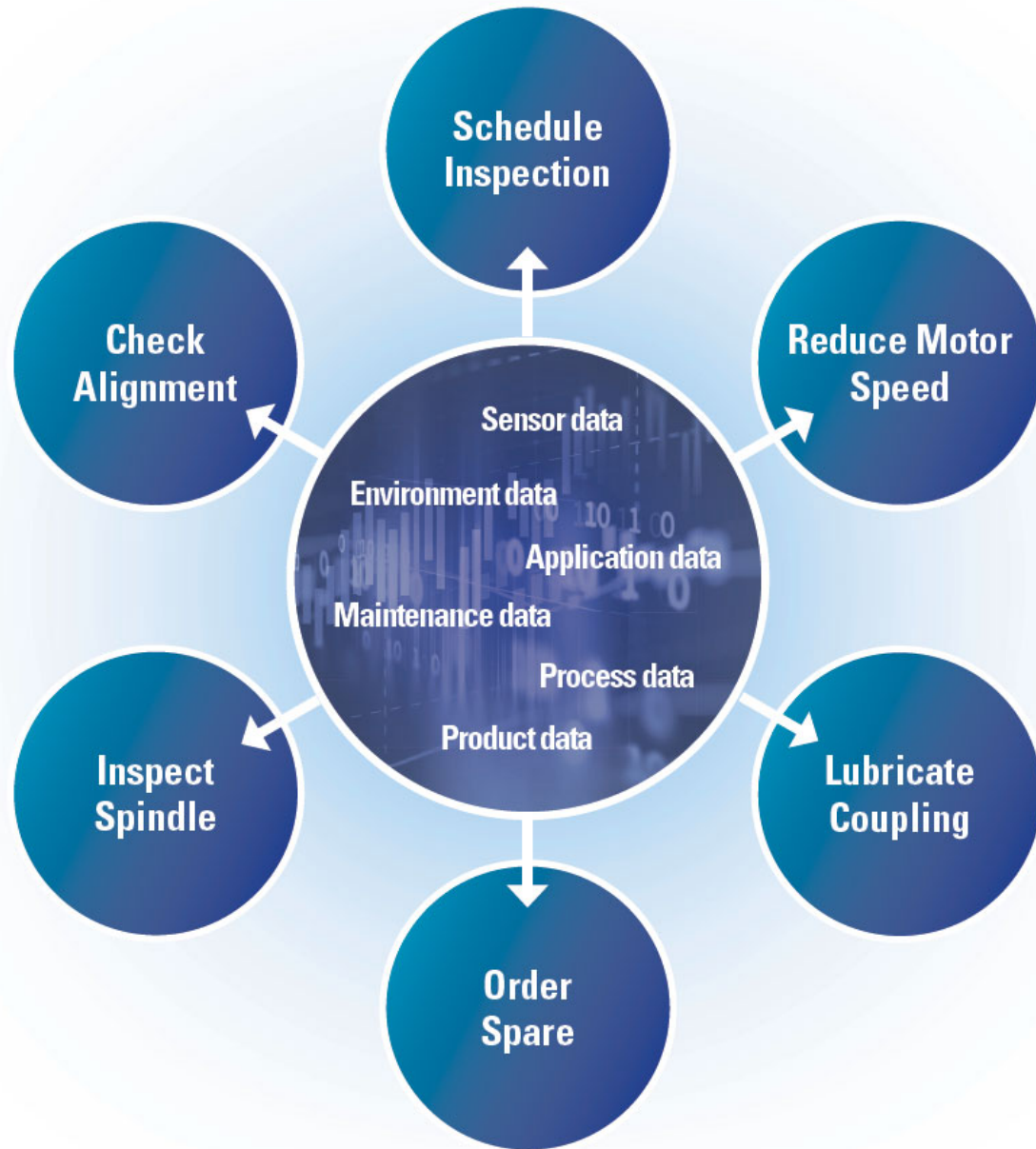
Increased employee welfare, fewer environmental releases

Inventory & Capital Replacement



Stocking less MRO reducing carrying costs

***We Transform Data into Actionable Information***



Proprietary algorithms • Machine learning • "Smart" assets