Best Practices for Shifting from Reactive to Proactive Maintenance

Source: https://powerhousedynamics.com/blog/the-high-cost-of-reactive-maintenance/

Assessing Maintenance Maturity

Reactive vs. Proactive Approach

Reactive Maintenance	▪ Repair it after it breaks	▪ High costs ▪ Overtime
Preventive Maintenance	▪ Repair it before it breaks	▪ Scheduled ▪ Coordinated
Predictive Maintenance	▪ Don’t just repair it, improve it ▪ Eliminate the root cause	▪ Extend asset life ▪ Reduce labor

Benefits of Proactive Maintenance

Reactive Effects vs. Proactive Effects

Greater Downtime (Unplanned and Planned)	vs.	Less Downtime
Higher Parts Costs	vs.	Reduced Employee Costs
Increased Costs Due to Reactive Fixes	vs.	Improved Asset Reliability
Growing Employee Costs	vs.	Increased Productivity and Efficiency

Building a Proactive Maintenance Culture

- Assess **Current State**
- Invest in **Training Programs**
- Define **Work Execution Process**
- Track Relevant **Metrics & KPIs**

Building a Proactive Maintenance Culture

Assess **Current State**

- Criticality Ranking
- 5-Why Analysis
- Bad Actor Analysis

Building a Proactive Maintenance Culture

Invest in **Training Programs**

- Set Expectations
- Offer Skill Development
- Scheduling Work & Performance

Building a Proactive Maintenance Culture

Define **Work Execution Process**

- Engage Workforce
- Communications Alignment
- Action Planning
- Enhance Strategic Focus

Track Relevant **Metrics & KPIs**

- Safety Metrics
- Performance Metrics
- Predictive Maintenance Metrics

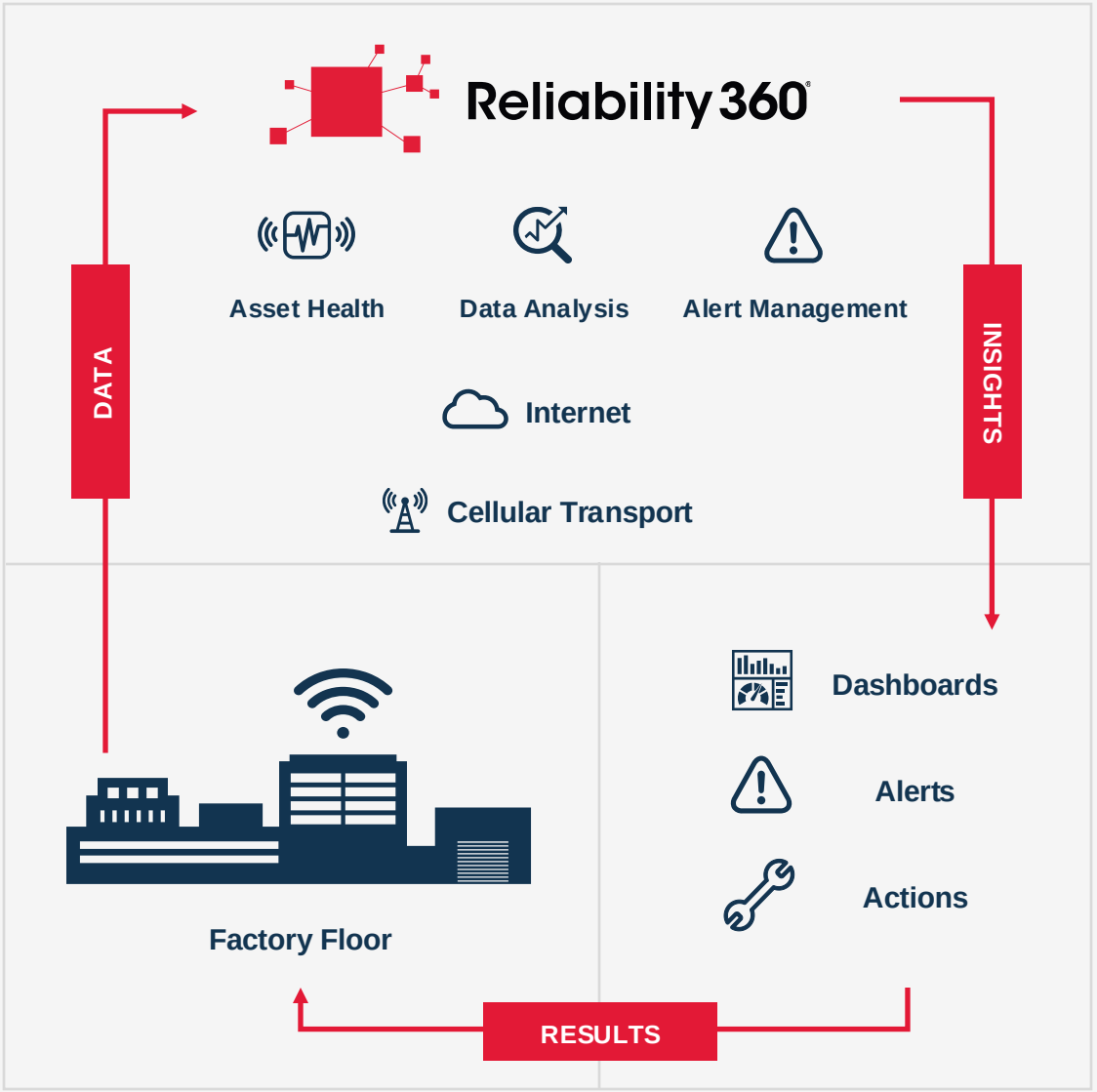
Variety of Sensors

To Monitor Your Equipment

- VIBRATION
- TEMPERATURE
- POWER ALERT
- AMPERAGE
- HUMIDITY
- LUBRICATION PARTICULATE
- FLUID LEVEL
- AIR QUALITY
- PH ACIDITY / ALKALINITY
- ULTRASOUND
- FLOW RATE (GAS & FLUIDS)
- PRESSURE

Machine Health Monitoring

How It Works



Thank You

Q & A