



RELIABILITY IMPROVEMENT EVENT

When a critical machine keeps failing and maintenance teams are stretched thin, production targets can feel increasingly out of reach. In these moments, guesswork costs time and money. With the right expertise, root causes can be identified and resolved quickly, restoring reliability and keeping production on track.

WHAT TO EXPECT FROM A RELIABILITY IMPROVEMENT EVENT

A reliability improvement event (RIE) from Advanced Technology Services (ATS) is a strategic, short-term engagement designed to stabilize, optimize and improve asset performance. A specialized team of reliability professionals and skilled technicians will:

- 1 **Identify** issues with visual inspection of mechanical parts and validation of controls.
- 2 **Inform** decisions based on risk, cost and operational impact.
- 3 **Implement** targeted actions that restore reliable performance.
- 4 **Impact** asset reliability, equipment performance and sustainability with measurable results.



COMMON CHALLENGES WE SOLVE

- ✓ Existing maintenance strategies are no longer effective due to asset age.
- ✓ Production is at risk due to recurring equipment failures.
- ✓ Scheduled production or audits demand peak reliability and performance.
- ✓ Deferred maintenance is impacting safety and throughput.
- ✓ Persistent issues lack clear root cause or resolution.
- ✓ Labor is stretched thin, making it difficult to maintain equipment reliability.
- ✓ Critical assets are lacking specific maintenance plans including critical spares, Bill of Materials, or optimized PMs.

WHY MANUFACTURERS TRUST ATS

Since 1985, ATS has partnered with global manufacturers to improve equipment reliability through hands-on expertise, proven processes, and a safety-first mindset. Supported by a network of subject matter experts and our Reliability 360® Technology Center, we provide clear insights and practical outcomes that make factories run better.

OPTIMIZE ASSETS. DRIVE PRODUCTION.

Two Stages to a Successful RIE

STAGE 1: ASSESSMENT

- **Alignment:** Confirm target assets, define success metrics, validate asset criticality, gather machine documentation and analyze failure data.
- **Machine Health Assessment:** Perform a visual inspection of each machine and its subsystems to identify signs of wear or potential failure. Document findings and assess their impact on restoring the machine.
- **Assessment Report:** Deliver a detailed report summarizing findings, including photos of the equipment, prioritized recommendations, health ratings, and, where measurable, the expected impact on production and reliability.



STAGE 2: SOLUTION & RESULTS

- **Planning:** Align with customer on scope, plan jobs, develop standard work, secure parts and schedule work.
- **Execution:** Apply corrective actions, restore equipment and train teams on PM execution with standard procedures, embedding maintenance strategies that sustain improved performance.
- **Optimization:** Refine equipment-specific maintenance plans with performance and production data reviewed during 30-, 60-, and 90-day corrective actions validation meetings before project closure.

SEE RESULTS FROM PAST EVENTS

Maintenance & Cost Impact

Asset Type	Failure Count	Downtime Avoided	Reactive Labor Saved	Parts Spend Optimized
Turret Punch	170+	350+ Hours	650+ Hours	\$40,000+
Water Jet	120+	80+ Hours	250+ Hours	\$650,000+

Production & ROI Impact

Asset Type	Downtime Avoided*	Designed Production Rate	Estimated 1-Year ROI (Packs)	Estimated 1-Year ROI (Capacitors)
Electrical Equipment	670+ Hours	14.8 pcs/hr	6,000 - 8,000	356 - 475
Pneumatic Equipment	250+ Hours	14.8 pcs/hr	2,200 - 3,000	132 - 177
Conveyor Systems	60+ Hours	14.8 pcs/hr	600 - 800	36 - 48

*As compared to previous 12 months.

HOW WE DELIVER RESULTS

- ⚠️ Asset Criticality Assessments
- 📡 Sensor-Based Diagnostics
- 🔍 Destructive Evaluation Targeted
- 📺 Root Cause Analysis
- ⚙️ Asset Lifecycle Assessment
- 🔧 Machine Repairs
- 📊 Failure Modes & Effects Analysis Database
- 🔧 Critical Spare Parts Analysis
- 📋 Bill of Materials Development
- 📄 Standardized Job Plans

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toward improved
performance today.

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