Maintenance and Reliability Excellence

Statement of Capabilities

GP STRATEGIES®

ACHIEVING Maintenance and Reliability Excellence

requires a dedicated focus on best practices and methodologies that provide a holistic and sustainable approach to performance improvement. It bridges the gap from leadership and strategy to continuous improvement by implementing effective frontline reliability, precision maintenance, work execution, and online monitoring programs.

LEADERSHIP VISION AND ASSET STRATEGY

Goal: Develop the vision, objectives, and justification to engage and empower your workforce and align with your business goals.

Impacts: A clearly defined leadership and strategy process for Maintenance and Reliability Excellence leads to improved:

- Return on investment
- Leadership principles
- Alignment and teamwork
- Change management

Products or Services:

- Development of maintenance and reliability vision, strategy, and objectives
- Determination of the justification (ROI)
- Development of the change management process
- Conduct of a criticality analysis (if required)

CONTINUOUS IMPROVEMENT AND SUSTAINABILITY

Goal: Implement continuous improvement practices and policies to achieve true return on investment.

Impacts: Achieving sustainable Reliability and Maintenance Excellence leads to enhanced:

- Return on investment
- Sustainability
- Continuous improvement

Products or Services:

- Standardized work performed in accordance with policies and procedures
- Audits to ensure policies and practices are followed
- Management of change for sustainability

> Specialized criticality analysis software allows us to quickly drill down to the most critical systems and assets, and dramatically reduces the time required to complete this crucial first step in the data collection and analysis process.

FRONTLINE RELIABILITY

Goal: Identify issues before they happen using FMEA data and ensure optimum equipment operation and defect elimination through an operator care program.

Impacts: A strong, proactive front line guards against labor and material loss and the consequences of potential failures through a streamlined rapid improvement process that can:

- Improve operational efficiencies
- Improve Overall Equipment Effectiveness (OEE)
- Reduce unplanned downtime and increase wrench time
- Increase planned production time
- Improve safety

Products or Services:

- Standard work to provide operator equipment and inspections
- Planned maintenance optimization
- Five S and visual management
- Defect identification and elimination

PRECISION MAINTENANCE

Goal: Provide the core craft skills training and procedures necessary for equipment installation and defect elimination.

Impacts: Provide your staff the precision skills and knowledge to perform the job correctly, ensuring:

- Correctly installed equipment the first time
- Less unplanned or repeat work
- Increased Mean Time Between Failures (MTBF)
- Known failure modes are explained and trained on
- Adherence to maintenance standards

Products or Services:

- Hands-on critical equipment training and application
- Customized procedures from industry or OEM standards
- Customized training based on your critical equipment
- Integrated safety training for both equipment and personnel

WORK EXECUTION

Goal: Implement planning and scheduling strategies to get work done efficiently.

Impacts: An effective work control management program eliminates non-value-added activities and redirects time to critical maintenance goals through optimal planning and scheduling to:

- Reduce costs
- Improve performance
- Increase wrench time
- Minimize failures
- Optimize machine life with proper planning and scheduling

Products or Services:

- Improved planning to maximize work flow rate
- Development and improvement of work schedules
- Improved backlog management
- Improved use of a CMMS application
- Certainty that the correct critical MRO materials are purchased based on process and equipment criticality and FMEAs

ONLINE MONITORING

Goal: Monitor both plant processes and critical equipment in order to detect anomalies and prevent unplanned downtime.

Impacts: By implementing online monitoring technologies, an organization will:

- Achieve early warning of equipment anomalies
- Prevent catastrophic failures
- Reduce maintenance costs
- Streamline reporting processes

Products or Services:

- EtaPRO™ APR (Advanced Pattern Recognition): Real-time empirical models that provide early warning of anomalies
- EtaPRO™ Predictor™: Continuous real-time analysis of critical equipment faults
- EtaPRO™ EPArchive: High-performance data historian

visit gpstrategies.com
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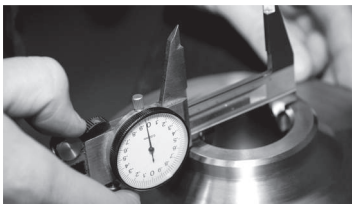

GP Strategies AT A GLANCE

Focus: Full-service, global performance improvement solutions from learning development to sales enablement and leadership programs tailored to both individual and enterprise-wide goals.

Founded: 1966

Headquarters: Columbia, Maryland, USA

Global Locations: Offices throughout the Americas, EMEA and APAC

NYSE: GPX

Vision and Mission: Our vision is a world where business excellence makes possibilities achievable. Our mission is to enable people and businesses to perform at their highest potential.

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