GP STRATEGIES®

Your Workforce Transformation Partner

APM OPTIMIZE™

Asset Performance Management

Reduce Costs. Improve Availability.
Maximize Performance. Assure Operability.

Today's highly complex and digital landscape is pressuring asset-intensive organizations to consider new models and strategies to remain competitive. Leading organizations are looking for ways to drive down costs, improve reliability, and maximize performance with asset performance management (APM) solutions.

APM Optimize™ is an end-to-end APM solution that improves the performance of your workforce, process, and equipment. It focuses on all aspects of the asset lifecycle, from asset data integration and strategies through work execution, training, and continuous improvement, to help your organization achieve high performance and ROI. With software powered by the APM Optimizer Suite™ from Nexus Global and GP Strategies' EtaPRO® platform, this powerful solution maximizes availability and reliably when you need it the most.

GP STRATEGIES® nexus global

Optimizing the ASSET LIFECYCLE

GP Strategies' approach to APM is unique. It's a fully comprehensive, turnkey solution that focuses on integrating business processes, organizational structure, and workforce optimization into the design. It centers on maximizing the APM lifecycle—the end-to-end optimization of assets to ensure they reach their full potential.

With a unique collaboration of industry knowledge, service delivery, and innovative software, APM Optimize is a sustainable solution that covers the entire APM lifecycle. Aligned with international standards, such as ISO 55000 series, ISO 14224, ISO 8000, KKS, SAE (JA 1011 and JA1010 – RCM/Maintainability standards), SMRP, and IAM, we work with clients to connect their APM strategy with knowledge and excellence, develop a road map of prioritization, and implement proven methodologies to ensure operational growth and success.

$100 *million saved* in **early warning catches**

40% *reduction* in **maintenance costs**

Unplanned downtime *reduced* by **30%**

Improved **equipment availability** by **10%**

Increased **production output** by **18%**

ROI of **10:1** or greater by *optimizing* both an organization's **assets** and **processes**

APM OPTIMIZE

Asset Performance Management Solution

ASSET PERFORMANCE MANAGEMENT STRATEGIES TIED TO BUSINESS GOALS

BASELINE

Data/Asset Registry Based on Criticality

- Hierarchy Development
- Risk Assessment
- FMEA
- Data Optimizer™ Software
- Strategy Optimizer™ Software
- Business Optimizer™ Software

Enterprise Technology Adoption

- Digital Enablement & Adoption Strategy Eg. EAM, CMMS, APM, AIP, LMS, CBM

Organizational Analysis & Assessment

- People/Process/Plant
- Design & Development
- ISO 5500x
- Short/Long Term Goals
- Sustainability
- Business Optimizer Software

STRATEGY

Asset Strategies

- PM/Inspect
- Redesign
- Corrective
- PDM/CBM
- Condition Monitoring Software - EtaPRO®
- No Maintenance Strategy
- Strategy Optimizer Software

Strategy Optimization

- Review PMs and Optimize
- Minimize Corrective Work
- Reduce Risk and Downtime
- Strategy Optimizer Software

Investigation Management & Root Cause Analysis

- Conduct RCA on Incidents
- Eliminate Recurring Failures
- Minimize Reactive Work
- Investigation Optimizer™ Software
- Anomaly Detection & Tracking
- Predictive Analytics
- Failure Reporting, Analysis & Corrective Action

EXECUTION

Work Management

- Job Packs
- Scheduling
- Feedback
- Outage Management
- Planning Optimizer® Software

Enterprise Technology Adoption Solutions

- Change Management & End User Learning
- Performance Support & Sustainment

Workforce Optimization – Training & Performance Support

- Workforce Analysis
- Training Needs Analysis
- Learning Management Strategy
- GPiLEARN+® Courseware
- Design and Development
- Integration and Innovation
- Performance Support & Sustainment

EXECUTION & CONTINUOUS IMPROVEMENT

GP Strategies has helped organizations **reduce operational costs** between 15% and 40% annually

ASSET PERFORMANCE MANAGEMENT STRATEGIES TIED TO BUSINESS GOALS

BASELINE	STRATEGY	EXECUTION
Data/Asset Registry Based on Criticality	Asset Strategies	Work Management
Enterprise Technology Adoption	Strategy Optimization	Enterprise Technology Adoption Solutions
Organizational Analysis & Assessment	Investigation Mgmt & Root Cause Analysis	Workforce Optimization

EXECUTION & CONTINUOUS IMPROVEMENT

Data/Asset Registry Based on Criticality

Our APM approach to asset criticality provides key data and insights to your organization. A data management strategy is crucial; it identifies the criticality of equipment and helps ensure that all data associated with an organization's assets is captured and maintained correctly to ensure progressive, sustained asset performance. That information is then used to prioritize maintenance strategies and work execution initiatives in the most effective manner.

Enterprise Technology Adoption

For your APM program to be successful, your workforce must be able to utilize the new technology effectively. GP Strategies® provides technology adoption and change management services that help your organization achieve a successful implementation. Our ongoing training and performance support help organizations realize sustainable results.

Organizational Analysis & Assessment

GP Strategies' organizational development expertise provides strategic analysis and assessment to help align your organization and drive accountability in your APM strategy. Our approach unlocks any organization's ability to implement and sustain asset management and is aligned to globally recognized standards and models such as the ISO550x series. Areas for improvement are identified, and then GP Strategies provides recommendations on how to close gaps and improve business processes, resource allocation, and organizational structure.

Asset Strategies

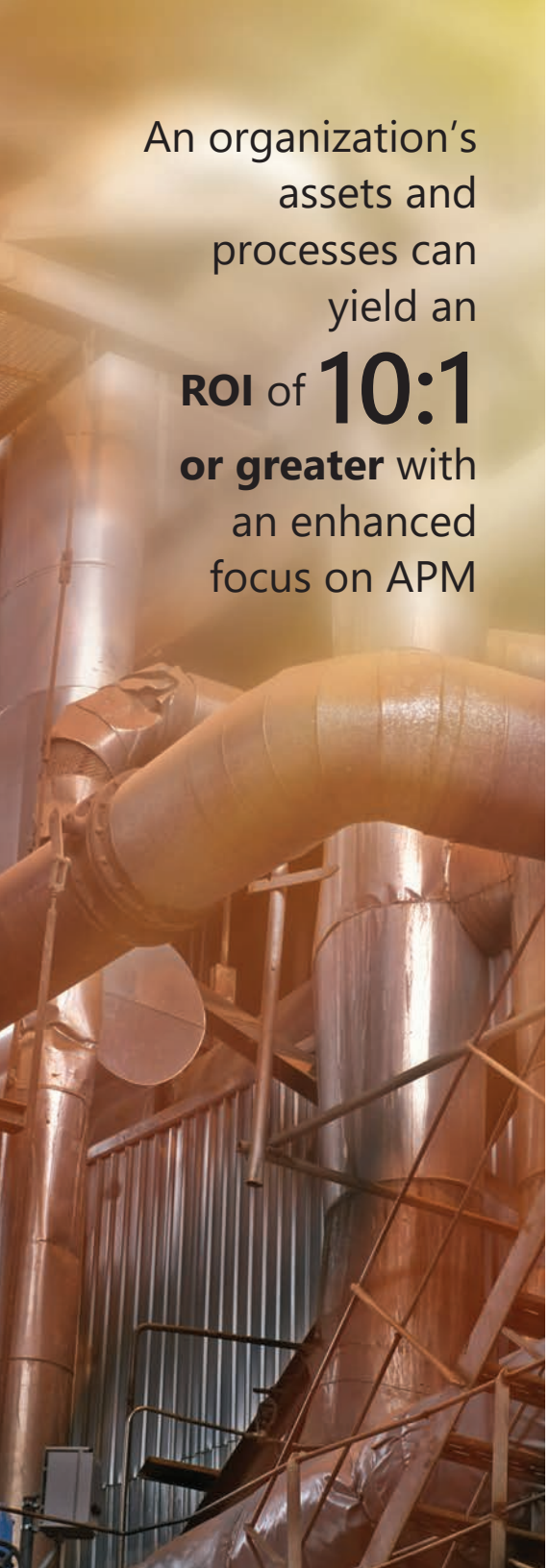
An effective overall asset strategy helps improve performance and eliminate non-value-added activities. GP Strategies has helped organizations reduce operational costs between 15% and 40% annually, while improving capacity utilization by 5% to 10%.

Asset strategies include preventive maintenance, inspection, redesign, corrective action, and predictive- and condition-based maintenance.

For your most critical assets, condition monitoring is a proactive approach to identify potential failures before they occur. GP Strategies' EtaPRO® platform provides real-time anomaly detection of asset condition, allowing you to optimize your maintenance strategy for peak asset reliability and plant proficiency.

EtaPRO has helped plants in more than 40 countries to **IMPROVE** their asset performance and **EXTEND** their equipment lifecycles.

EtaPRO®
PERFORMANCE & CONDITION MONITORING



An organization's assets and processes can yield an **ROI** of **10:1** **or greater** with an enhanced focus on APM

ASSET PERFORMANCE MANAGEMENT STRATEGIES TIED TO BUSINESS GOALS

BASELINE	STRATEGY	EXECUTION
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EXECUTION & CONTINUOUS IMPROVEMENT

Strategy Optimization

Strategy optimization investigates why failures occur by looking at the root cause and then compares the original objectives and variations in operating context to see what adjustments need to be made. If an organization already has an asset management strategy but isn't seeing results, strategy optimization can find redundant and nonperforming activities. An organization's assets and processes can yield an ROI of 10:1 or greater with an enhanced focus on our APM strategy optimization, which is six times faster than traditional RCM.

Investigation Management & Root Cause Analysis (RCA)

The goal of investigation management is to improve processes and procedures to prevent human error and reduce equipment failure. As part of investigation management, RCA is a systematic process for identifying the root causes of problems or events and then designing an approach to respond to them. RCA takes a proactive, not reactive, approach to incident management. Reduce recurring failures, minimize rework, and implement a corrective action plan to improve asset performance.

Work Management

GP Strategies helps organization develop work management systems that improve and sustain their workforce efficiencies. We help organizations build centralized corrective maintenance libraries, create standardized workflows for job planning, remove bottlenecks, receive real-time work execution feedback, manage spare parts, and improve planning and scheduling.

Workforce Optimization

Our passion is people—we help clients routinely achieve superior business and operational results by transforming their workforces. From initial planning and organization analysis right through execution and sustainability, workforce optimization ensures that your human capital can implement and sustain a long-term, successful APM program.

Technical Training SERVICES

Our blended learning programs focus on eLearning, instructor-led training, virtual training, craft skills, on-the-job training, and augmented and virtual reality solutions to support ongoing workforce enablement.

GP Strategies (gpstrategies.com) and Nexus Global (nexusglobal.com) have partnered to launch a range of complementary software and services that improve the availability and reliability of assets. This solution helps organizations develop a sustainable asset performance management program that delivers excellence across the entire APM lifecycle.

GP Strategies partners with clients to connect their APM strategy with industry-leading knowledge and excellence, develop a roadmap of prioritization, and implement proven technologies to maximize asset health and achieve ROI.

For more information about building an effective **APM STRATEGY**, visit **www.gpstrategies.com/solution/technical-engineering/asset-management**

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