

# Perspect Analytics Inc.

Continuous Improvement with intelligentMRO™

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## IntelligentMRO™ for Asset Operation Analytics

Perspect Analytics' intelligentMRO™ is an analytical platform for asset management and maintenance operations with focuses on improving efficiencies and reducing risks. Beyond individual operational data sources, it integrates data from multiple functional departments and provides an interdependent approach to improving asset management and maintenance operations.

Beyond individual systems such as CMMS and EAM, intelligentMRO™ works with systems in:

- Maintenance operations
- Maintenance engineering
- Equipment reliability programs
- MRO human resources
- MRO spare parts inventory
- MRO spare parts procurement and vendors

### **BENEFITS OF ASSET OPERATION ANALYTICS**

SYNOPOSIS OF ALL MRO RELATED DATA ASSETS

For the first time, see the complete picture of your asset and maintenance programs and the impact these programs have on the organization

### **INTERDEPENDENT ANALYTICS**

Straightforward, specific and actionable suggestions with clear ROI to improve all aspects of asset operations in harmony with each other

### **FACT DRIVEN CULTURE**

Continuous improvements of operation efficiencies and reduction of risks by facts and analytics

# Business Solution Samples

- ✓ Analyze, visualize, and optimize multi-site asset and MRO operations even with different underlying systems of operation (i.e., CMMS, EAM, ERP)
- ✓ Determine the effectiveness of reliability programs and their positive or negative impacts on the operations of the organization
- ✓ Eliminate up to 60% of preventative maintenance tasks that add little value
- ✓ Determine the optimal frequency that equipment requires for a specific preventative maintenance task
- ✓ Promptly find and categorize up to 80% of unexpected failures that occur regularly
- ✓ Forecast and justify workforce requirements and trade mix ratios based on equipment health and operational reliability so as to manage MRO departments efficiently
- ✓ Determine spare parts minimum and maximum stock levels to balance maintenance usage requirements, financial liability, and procurement objectives
- ✓ Determine the financial impact of direct purchased spare parts and parts picked from MRO inventory that have been charged to work orders but have yet to be installed on equipment
- ✓ Provide accurate and up-to-date information at any time to the right people
- ✓ Develop trades or individual training programs based on equipment health and reliability requirements
- ✓ Understand the impact of current interdependent MRO business processes (maintenance workflow, procurement, spare parts management, and HR) on workforce efficiency, equipment reliability, and financial liability.

# How Does It Work

intelligentMRO™ combines operational data (e.g., CMMS/EAM/ERP/AMP) with financial and human resource histories, along with equipment maintenance sensor data when available into one corporate asset before artificial intelligence (AI) and machine learning (ML) driven analytics and modeling are performed.

It marries best-practice knowledge with advanced AI/ML technologies to provide straightforward, specific, actionable suggestions with clear ROI for all MRO areas ensuring interdependent departments act in sync for efficiency improvement and risk reduction.

## Improvement Areas and Benefits



**Improve Equipment Reliability**



**Improve Inventory Effectiveness**



**Improve Workforce & HR Efficiency**



**Spare Parts & Entity Association Analysis**



**Asset & Program Health Indices**

**Reduce MRO Annual Spending**

**5% ~ 10%**

**Reduce Impacts on Unexpected Outages**

**27% ~ 77%**

**Reduce Inventory Annual Holding Cost**

**10% ~ 50%**

**Annual Procurement Savings**

**5% ~ 8%**

**Increase Annual Manpower Efficiency**

**5% ~ 44%**



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Perspect Analytics Inc. is a software and solution company with a sole focus on developing innovative analytical solutions to improve all areas of the Maintenance, Repair and Operational (MRO) operations. The goal is to eliminate non-value-added MRO activities while creating a responsive, data-driven continuous improvement culture by leveraging state-of-the-art AI/ML technologies.

**Actionable | Measurable | Sustainable | Adaptable**