



Maintenance, Repair & Operations (MRO)

Align Operations with Business Strategy to Deliver Operational Excellence

As companies mature, become more sophisticated and seek to streamline their operations and maximize their return on investments made in enterprise resource planning (ERP) or enterprise asset management (EAM) system, there has been a renewed interest in improving the quality of their maintenance, repair and operations (MRO) data and the overall performance of the MRO supply chain.

Asset-intensive organizations have multiple plants and house data on hundreds of thousands of MRO parts that often times are: unidentifiable, duplicate and have non-compatible item descriptions. The lack of effective, commercially available solutions and poor management of MRO parts pose a significant challenge for these organizations.

BENEFITS

Sphera leverages a unique set of software, content and community of experts to enable customers to:

- Prevent repeat incidents
- Protect your people, operations and community
- Benchmark work practice behaviors across the enterprise to extract proven leading indicators that drive performance outcomes
- Gain insights from your process execution to influence behaviors

As a pioneer in MRO information management, Sphera offers proven methodologies, software, content and expertise for achieving MRO Supply Chain Excellence. For over 35 years, Sphera has helped the world's largest, most-complex asset-intensive organizations align their operations to business strategy through standardization, governance, and optimization of MRO supply chains to:

- Reduce Cost & Inefficiency
- Foster Continuous Improvement
- Enable Operational Excellence
- Manage Operational Risk
- Drive Sustainable Growth

Unified MRO Systems, Data, and Personnel

The MRO supply chain has always been essential to drive organizational efficiency, capacity, and cash flow. Asset heavy companies are now recognizing MRO as a strategic enabler of Operational Excellence.

By optimizing the flow of MRO supply to deliver the right part, in the right quantity, at the right time, to the right specifications, for the right price,

companies are able to drive strategic initiatives that enable operational excellence programs.

The inability to streamline the MRO supply chain can have serious consequences. The ramifications from MRO supply chain failures can range from costly equipment shutdowns or loss of business to less-likely but potentially catastrophic situations such as fatalities, asset damages, environmental destruction, or reputation damage.

Performance

In order to meet your objectives, you must plan for, and manage risk, make workflows and business processes more efficient and effective, and make sustainability an integral part of your business operations. To gain full visibility into your operations and the underlying systems, processes, and data underpinning performance, our experts suggest using a bottom-up approach.

Not only are Sphera software, content, and community of experts specialized to the very unique needs of MRO, but our inherent best practices, knowledgebases, and insight have successfully proven to address the industry-specific needs of large, complex organizations.

What makes the Sphera MRO solution unique is our combined solution which was designed to:

- Transform MRO data into actionable information
- Adopt a governance strategy
- Align workflows with cross-functional stakeholders
- Institutionalize enterprise-wide best practices
- Enable Operational Excellence

Sphera Standard Modifier Dictionary™

The Sphera Standard Modifier Dictionary is the most widely used methodology for characterizing MRO master data. The data model was developed from the beginning with the understanding that MRO is a domain distinctive from other supply chains and associated business processes. MRO master data requires a specialized nomenclature to ensure that naming protocols are consistent across the enterprise.

Used daily by more than 3,000 industrial facilities in 35 countries and in 14 languages, the SMD is a highly respected classification schema that offers optimized templates and consistent and repeatable rules designed specifically for characterizing MRO inventory.

Sphera Struxure™

Sphera Struxure is best-in-class data governance software for sustaining your MRO master data optimization efforts long-term. Struxure enforces the rules and best practices necessary for creating and maintaining standardized and comprehensive MRO item descriptions. Struxure and SMD seamlessly integrate into enterprise resource planning (ERP) and enterprise asset management (EAM) systems and dynamically synchronize your MRO data. This integration allows you to take advantage of our advanced capabilities, not available in your standard ERP or EAM system. Struxure and SMD ensure improved consistency, visibility and execution no matter the level of operational complexity by streamlining cross-functional workflows and ultimately optimizing the MRO supply chain.

Foundational Data Governance Enables Successful Enterprise Strategies, Investments and Initiatives

Enterprise System Implementation/ Consolidation	Capital Effectiveness	Asset Performance	Procurement & Supply Chain Excellence	Risk Mitigation
Enterprise Resource Planning Systems Enterprise Asset Management Systems Master Data Management Systems	CAPEX Forecasting Equipment Disposal Planning Materials Planning Inventory Optimization Plant-to-plant Materials Sharing	Asset Reliability Predictive & Preventative Maintenance Product Availability Forecasting Reliability Centered Maintenance Maintenance Cost Forecasting	Bill of Materials Creation Work Order Planning Spend Analytics Supply Management Programs Supplier Performance	Product Quality Management Operational Efficiency Environmental Performance Process Safety Management

For more information visit us at www.vanguardasia.com.sg or email admin@vanguardasia.com.sg



ABOUT Sphera Solutions

Sphera is the largest, global provider of software and information services in the operational risk, environmental performance and product stewardship markets. For more than 30 years, we have served over 2,500 customers and 1 Million+ users in 70 countries optimize workflows and navigate the complex and dynamic global regulatory structure.