SUPPLIER QUALITY MANAGEMENT
OVERVIEW

iBASEt *SQM* SOLUTIONS

iBASEt's Supplier Quality Management (SQM) system enables a new systematic and dynamic approach to managing quality with suppliers.

SQM provides a complete paperless system for defining, managing, communicating and verifying product specifications and requirements with suppliers. Quality can be efficiently managed at the supplier, down to the characteristic level, with processes that parallel internal processes.

The SQM solution from iBASEt significantly improves visibility into supplier quality assurance and compliance; the capability to query real-time supplier status, constraints, and history records for all processes and activities provides essential data-driven insights for better planning and control throughout the value chain.

SQM BENEFITS

Supplier Quality Management (SQM) is the catalyst that all complex manufacturers look to in controlling production costs, reducing variances, and enabling compliance to quality standards. Faced with these constraints, manufacturers turn iBASEt's expertise in discrete, complex manufacturing.

Incoming inspection and traceability continue to be key strategies for reducing manufacturing costs. iBASEt's SQM solution provides the capability to query all processes and activities related to product quality and production history in real time.

Performance is tracked consistently with complete visibility of supplier-induced issues, including defects found at the source or downstream in manufacturing. Quality-performance metrics are displayed in easy-to-read charts and reports that can drill down to specific purchaser orders and inspections.

Positive results to expect from SQM implementation:

- Eliminate manual management tasks
- Improve supplier performance and supplier ownership of process strengths and weaknesses
- Improve component parts quality
- Reduce quality escapes
- Minimize inventory in receiving inspection
- Minimize the need for third-party contract inspection
- Lower sourcing and warranty administrative costs
- Reduced inspection and audit oversight cost
- Quicker issue disposition and corrective action
- Increased supplier ownership of process strengths and weaknesses

SQM FEATURE HIGHLIGHTS

COMMUNICATION

Streamlines communication among suppliers, buyers, and quality managers, including inspection results, supplier rating, DPPM graphs, discrepancies, and corrective action.

TRACKING & DOCUMENTATION

Records all processes and activities related to product quality, including online verifications and characteristic data collection for inspection orders.

PRODUCT SPECIFICATIONS

Dynamic inspection and verification requirements are dispatched over the web to the supplier site for each purchase order line item. All inspection data collection is recorded and can be used to determine which areas and suppliers are in need of improvement, additional oversight, or Corrective Action.

INSPECTION PLANNING

Provides a central location for authoring and maintenance of product inspection requirements and verifications for process requirements.

SAMPLING PLANS

Each measurement or observation characteristic is assigned a sampling plan that determines the frequency and sample size for each inspection, with the option to automatically switch to tighter or more relaxed plans based on failure history.

ADDITIONAL FEATURES

- Dynamic inspection requirements for each Purchase Order based on supplier performance
- Discrepancy report, Issue/Defect Containment Holds and Corrective Action Requests
- Quality analysis tools that provide a self-managed path for suppliers
- Strict rules for compliance with FAA and AS9102 First Article Inspection requirements
- Gradual transition of more component inspections to the supplier

iBASEt's
DIGITAL MANUFACTURING SUITE

The Digital Manufacturing Suite is designed for complex, highly regulated discrete manufacturers who seek to digitally transform their operations. The new solution suite enables a "digital thread," connecting operations and sustainment management in a seamless flow of data across the value chain and product lifecycle. The Suite integrates engineering and business systems with manufacturing execution system (MES), supplier quality management (SQM), and product sustainment services such as maintenance, repair and overhaul (MRO).

The combination of integrated PLM, ERP and iBASEt's Digital Manufacturing Suite is central to a digital manufacturing strategy. iBASEt's solution creates the technology infrastructure manufacturers need to harness advances in model-based functionality like augmented reality guidance for the workforce, IIoT connectivity for equipment, new levels of intelligence for decision making, and higher levels of customer and supply chain collaboration.

iBASEt's SQM Solution can be implemented as a point solution or as part of the Digital Manufacturing Suite. Many customers that start with the enticing options provided with the SQM solution will mature their operations and value chain to the point that implementation of the Digital Manufacturing Suite will be critical to growth, transformation, and success.

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