ENTERPRISE QUALITY MANAGEMENT SYSTEM (EQMS)
SOLUTIONS

iBASEt *EQMS* SOLUTIONS

In complex discrete manufacturing, rigorous quality and safety requirements and a host of regulatory obligations leave little room for error in any stage of any process. iBASEt's Enterprise Quality Management System (EQMS) makes it possible to ensure products are manufactured to the highest quality standards on a consistent basis, while attaining manufacturing efficiency and performance goals in the process.

EQMS BENEFITS

Manufacturers have to manage quality in multiple dimensions. From discovering and tracking defects to identifying and issuing the appropriate corrective actions to the right stakeholders at the right time, the job of quality management can be as complex as the highly-engineered products themselves. With EQMS, manufacturers can shine in every aspect of quality management from supplier collaboration to production performance through Maintenance, Repair, and Overhaul (MRO).

VISIBILITY

ENSURE 360 VISIBILITY AND COMPLIANCE

iBASEt's software solution for EQMS is designed to increase collaboration and communication between all levels of the manufacturing enterprise, from individual facilities to entire supplier networks.

Quality management compliance is integrated and tracked along the entire product lifecycle starting with suppliers, continuing at receiving through production.

The downstream visibility and control gained by integrating quality assurance throughout the value chain means issues are detected and resolved before they cause production delays. This is imperative for manufacturers that rely on suppliers for critical precision components.

The loop is closed with quality metrics that easily fold into production intelligence and are tied to corrective actions for continuous improvement.

CONTROL

INTEGRATE CONTROL AND VERIFICATION

EQMS tracks and controls change procedures for work and inspection instructions via digital thread between engineering and manufacturing. In this way, manufacturers can reduce quality variability while developing the agility to respond expediently to the constant change dynamics that characterize complex manufacturing.

iBASEt EQMS inspection instructions are integrated into work instructions and streamlines verification processes for operators, machines, and tools. The system ensures that only operators with current skills and certifications can check-in to work on a process or machine. EQMS helps shop floor managers ensure that proper tools with current calibration dates are being used, along with the most updated work and inspection documentation.

VELOCITY

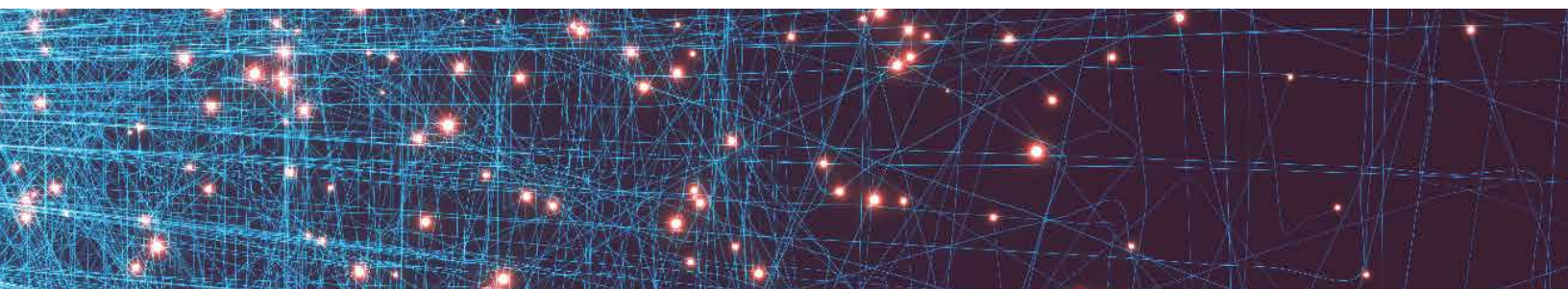## ENABLE VELOCITY WITHOUT SACRIFICING QUALITY

Manufacturers who can launch new and enhanced products to market quickly have competitive advantage, but only if they can accelerate product introduction without sacrificing quality. Real-time data can be leveraged to make more insightful decisions in less time, cultivating the resilience and responsiveness that customers and disrupted markets increasingly demand.

Replace many manual verification steps with automated reconciliation processes. This can lead to the automated generation of the end-item data package (EIDP) or device history record (DHR). This alone saves significant labor and improves accuracy of the information provided with the end unit to the customer.

QUALITY

REDUCE COST OF QUALITY

iBASEt's EQMS reduces manufacturing wasteful steps and boosts productivity. Inefficient use of production time is a greater contributor to wasted resources than most organizations realize. EQMS identifies poorly controlled processes, root causes of scrap and rework, and areas where enhanced communication and collaboration will create efficiencies. With real-time data, insight, and visibility into as-built and work-in-process, manufacturers can detect a higher number and variety of process issues sooner. With the click of a button, production managers can access a fully traceable history of people, processes, and parts to troubleshoot bottlenecks and out-of-spec products.

EQMS
FEATURE HIGHLIGHTS

- Inspection planning and execution for production, receiving and source inspection
- Dynamic inspection and audit requirements at purchase order line-item level based on the most recent history for a specific part family and supplier
- Extensive product genealogy support for tracking materials, components and subassemblies used for each unit, subassembly and completed product
- Discrepancy documentation (i.e., nonconformance) for quick issue handling and defect containment
- First Article Inspection (FAI) processes for additional oversight of units after significant product or process design changes
- Corrective and Preventive Actions (CAPA) including root-cause investigations and tracking of corrective actions until implemented and effective
- Supplier portal for dispatch of inspection orders tied to each shipment, discrepancy documentation, corrective actions and audits
- Compliance support for industry standards, including ISO9001, AS9100, ISO13485, and FDA Title 21 CFR Part 820
- Six Sigma support —including strategies, techniques, and quality checks — is incorporated throughout, enabling manufacturers to meet schedule and cost objectives more efficiently
- CAD, PLM, and ERP systems integration
- Workforce skills and certification management
- Tool and gauge calibration management

iBASEt's
DIGITAL MANUFACTURING SUITE

Introduced in early 2018, 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), enterprise quality (EQMS), 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 are 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 Enterprise Quality Management System (EQMS) can be implemented as a point solution or as part of the Digital Manufacturing Suite. Many customers that start with the accessible and enticing options provided with EQMS eventually mature their operations and value chain to the point that a fuller implementation of the Digital Manufacturing Suite is critical to growth, transformation, and success.

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