

Manufacturing Intelligence

Improve access to key operational data to visualize performance and drive intelligent decision support

BENEFITS

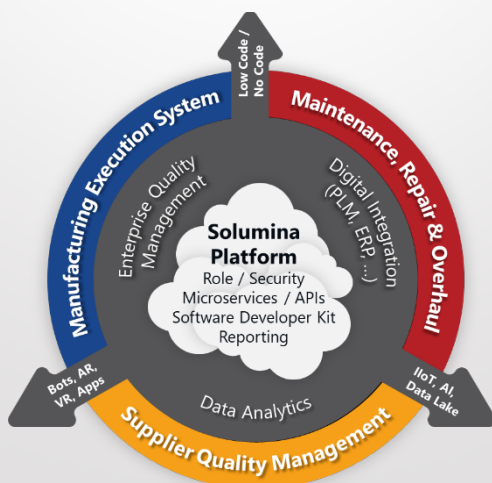
Leverage key design and operational data to improve production, quality, and sustainment performance

Extend the value of existing BI systems with real-time visibility into plant floor KPIs

Drive process improvement and higher quality standards across operations

Complement existing iBASEt solutions to ease complex data discovery and intelligent decision support

Identify strategic initiatives that improve quality and maximize operational efficiency



Integral Foundation for Smart Manufacturing

A dramatic increase in data types and sources used in manufacturing and sustainment operations is throttling systems' performance to create a negative impact on material costs, machine times, and labor management. This surge of data can be transformed into actionable intelligence for improved decision support if harnessed cost effectively with high precision, in a timely manner.

iBASEt Manufacturing Intelligence (MI) provides real-time visibility into production, quality, and sustainment operations data. Visualize this information to improve performance with intelligent decision support to gain a competitive advantage. Gain timely access to the right data at the right time. Achieve higher performance with an offering optimized for stationary and mobile worker environments.

Gain Real-time Visibility into Operations

iBASEt MI functions as a data warehouse to provide consistency across all enterprise systems. Leverage iBASEt MI to gain granular visibility into operations and control how real-time data is collected, contextualized, and measured. Take advantage of a graphical, highly intuitive, and easy-to-digest format to gain new insights to improve operational performance while identifying cost saving opportunities.

Improve Quality While Increasing Efficiency

iBASEt MI helps quality leaders implement preventative actions and develop intelligent solutions to fundamental problems. Uncover hidden issues and emerging trends based on key MES and MRO metrics. Choose the best corrective actions to extend quality standards and implement processes that improve cost, speed, and reliability.

Accelerate Root Cause Analysis

Quickly understand every possible causal factor by collecting the right data. Move beyond simple fixes to track all critical details of execution and sustainment processes. Analyze all contributing factors, the underlying process, and system issues that trigger failure events. Leverage this knowledge to prevent quality escapes, reduce turn backs while improving labor efficiency and customer satisfaction.

Fast-Track Time to Market by Improving Scheduling Accuracy

Compare standardized lead times in ERP with actual performance in MI to reconcile variances and identify areas for process improvement. Improve planning accuracy to reduce unplanned downtime, resulting in higher asset utilization. Reduce bottlenecks, lead times, and turn backs by finding problematic areas, analyzing performance, and easily identifying how to remedy. Apply this methodology with precision, down to the operator level, to reveal new opportunities for performance improvement.

Leverage Operational Data to Fuel AI and Machine Learning Initiatives

Advanced analytics, Artificial Intelligence (AI), and machine learning technologies require accurate, timely data to drive automation strategies, process improvement programs, and intelligent decision support. Leverage the valuable data collected in MI to work with third party AI applications. Gain insights and knowledge by identifying best practices based on actual experience. Improve demand forecasting accuracy and scheduling precision. Increase supplier performance by identifying quality trends early, comparing performance, and then responding with actionable intelligence.

Enable Digital Connectivity to Improve Agility

The path to becoming a digital enterprise requires sharing timely access to contextualized data that is delivered in a digital format. iBASEt Manufacturing Intelligence ensures data accuracy and consistency between design and production teams to overcome barriers to operational agility. Respond faster to change with real-time access to operational intelligence. Establish digital connectivity to support more intelligent decision making across the digital enterprise.

Increase Visibility	Take Control	Drive Velocity
<p>Analyze information related to work orders, unit holds, discrepancies, and rework flows</p> <p>Apply dimensional views to analyze data by location, department or work center; by program, model or project; by product or serial number; by cause, defect or category type; or by hold</p> <p>Extend visibility by accessing data from mobile iOS and Android applications and devices</p>	<p>Perform benchmarking analysis by consolidating figures and KPIs across multiple sites</p> <p>Open architecture supports the use of third-party BI tools to closely align with user requirements</p> <p>Seamless integration with enterprise systems ensures the right data drives production, quality and sustainment evaluation</p> <p>Role-based security settings limit access and control to individuals with proper authorization</p>	<p>Access out-of-the-box reports and dashboards, that are easy to use and pre-configured with common performance metrics</p> <p>Add, remove, or modify metrics to customize what intelligence is gathered and shared, helping to simplify decision support</p> <p>Integrate with ERP, time and attendance, safety, and other business systems to streamline access to cost and other analyses</p>

About iBASEt

iBASEt is a software company that simplifies how complex products are built and maintained. Founded in Southern California in 1986, iBASEt solutions ensure digital continuity across manufacturing, quality, and maintenance, repair, and overhaul (MRO) operations on a global scale. The iSeries, powered by Solumina, is a cloud-native platform that establishes a digital ecosystem to drive innovation and improve operational performance. iBASEt customers include Lockheed Martin, Northrop Grumman, Rolls Royce, Pratt & Whitney, and Textron. Learn more at www.ibaset.com.