

Expand Your Vision With Apperture



Apperture
SOLUTIONS

AppertureSolutions.com



Data Enablement

We are avid proponents of data enablement—making the right decisions at the right time to drive improvements in your operations. Collecting the data is step one; however, turning that data into actionable information requires process knowledge, data analysis, modeling, and visualization.

By using modern approaches to data analysis and reporting, combined with the overall user experience, we enable your data to tell better stories.

Your data should be able to speak to equipment effectiveness and bring confidence to your production demands and maintenance requirements. It should allow you to take a deep dive into specific use cases—determining if and where process inefficiencies are costing money and lost capacity. In short, data should be exciting and relevant.

We look forward to optimizing your production operations to take a fresh look at all your data silos and explore what opportunities are in reach.

PRACTICE

Enterprise Historian

Data Aggregation & Contextualization

Advanced Analytics

Visualization

Reporting

Asset Performance Management

CMMS Integration & Workflow Optimization

Cloud Enablement



Manufacturing Operations Management

Wherever you are in your MES journey—from new implementations to improving and expanding the system you already have—our goal is to ensure efficient, safe, reliable, and sustainable manufacturing processes.

Regardless of industry, adopting an MES can help you improve your operations in a variety of areas including material management, automated weigh and dispense solutions, digital equipment logbooks, ERP and third-party integrations, and electronic batch records.

Our Manufacturing Operations Management suite of solutions can be further complemented by tech transfer enablers, dynamic modeling for debottlenecking in real time, digital work instructions, and connected worker solutions that embrace mobile devices and wearable technology. These systems and solutions aim to improve materials tracking, increase awareness of work-in-progress materials, manage equipment states, and ensure data integrity across systems.

Materials Management

Automated Weigh & Dispense

Digital Equipment Logbooks

ERP & Third-Party Integrations

Electronic Batch Records

Tech Transfer

Real-Time Modeling & Debottlenecking

Digital Work Instructions

Connected Worker

E A R E A S

Overall Equipment Effectiveness

Dynamic Scheduling

Batch Design

State-Based Controls

Advanced Process Control

Digital Twin

Alarm Management

Control Room Optimization

Production Optimization



Optimizing production is key to helping you remain competitive and profitable, and our experts have the talent you need to achieve big results. We work in collaboration with your stakeholders to identify and understand your unique production challenges, which then enables us to specifically address your optimization needs with the latest tools and technologies.

Leveraging our experience, we can improve performance while delivering safer and more cost-effective operations.

We offer a wide range of services to improve process performance and efficiency. We focus on these areas: planning, managing, and consistently measuring equipment utilization; architecting and implementing strategies that deliver optimal control; and enriching the operator environment through digital simulation and assessment tools.



Our goal is to achieve the highest impact with our key Practice Area consulting and implementation services.

Apperture Solutions is a consulting and implementation services firm. Our clients are manufacturing companies looking to leverage their data and best-in-class technologies to make more informed decisions—from the plant floor, up through all levels of production.

INDUSTRIES



Life Sciences

We help life sciences organizations make good business decisions and navigate their digital transformation to the factory of the future.



Chemical

Achieving a competitive advantage, while hitting targets for safety and sustainability, requires data analytics that measure and monitor overall equipment effectiveness (OEE).



Battery Materials

We provide the right data analytics—from material extraction through processing, and into battery assembly enabling you to go to market with quality, reliable products.



Consumer Products

Optimizing production efficiency, predicting product quality, and understanding energy consumption are among the challenges that we can help CPGs address.



Energy

Using state of the art technologies, analytics, and machine learning, we partner with energy producers to run more efficiently, safer, and with a greener footprint.



Pulp & Paper

By leveraging advanced process control technology and analytics tools, we'll help you remain profitable by minimizing production costs, improving reliability, and driving predictive maintenance.



Metals & Mining

We bring a reliability and process-focused approach to derive value from the wealth of instrumentation that is embedded across mining operations.

Apperture Solutions is a consulting and implementation services firm for manufacturing companies looking to leverage their data and best-in-class technologies to make more informed decisions—from the plant floor, up through all levels of production. As process experts, we understand the benefits of integrating silos of data across the organization and transforming that data into actionable information. Our goal is to build bridges across the network to get the right information to the right people and ultimately achieve positive outcomes for all stakeholders. As process experts, we take a holistic view of operational procedures and critical equipment to achieve a competitive advantage for the long term. Apperture Solutions originated from R.E. Mason, and we possess the financial stability and reach to take on any greenfield, integration, or multi-site project, with confidence.



5001 South Miami Boulevard, Suite 110, Durham, NC 27703
AppertureSolutions.com | 919-566-1104

Copyright © Apperture Solutions. All Rights Reserved.