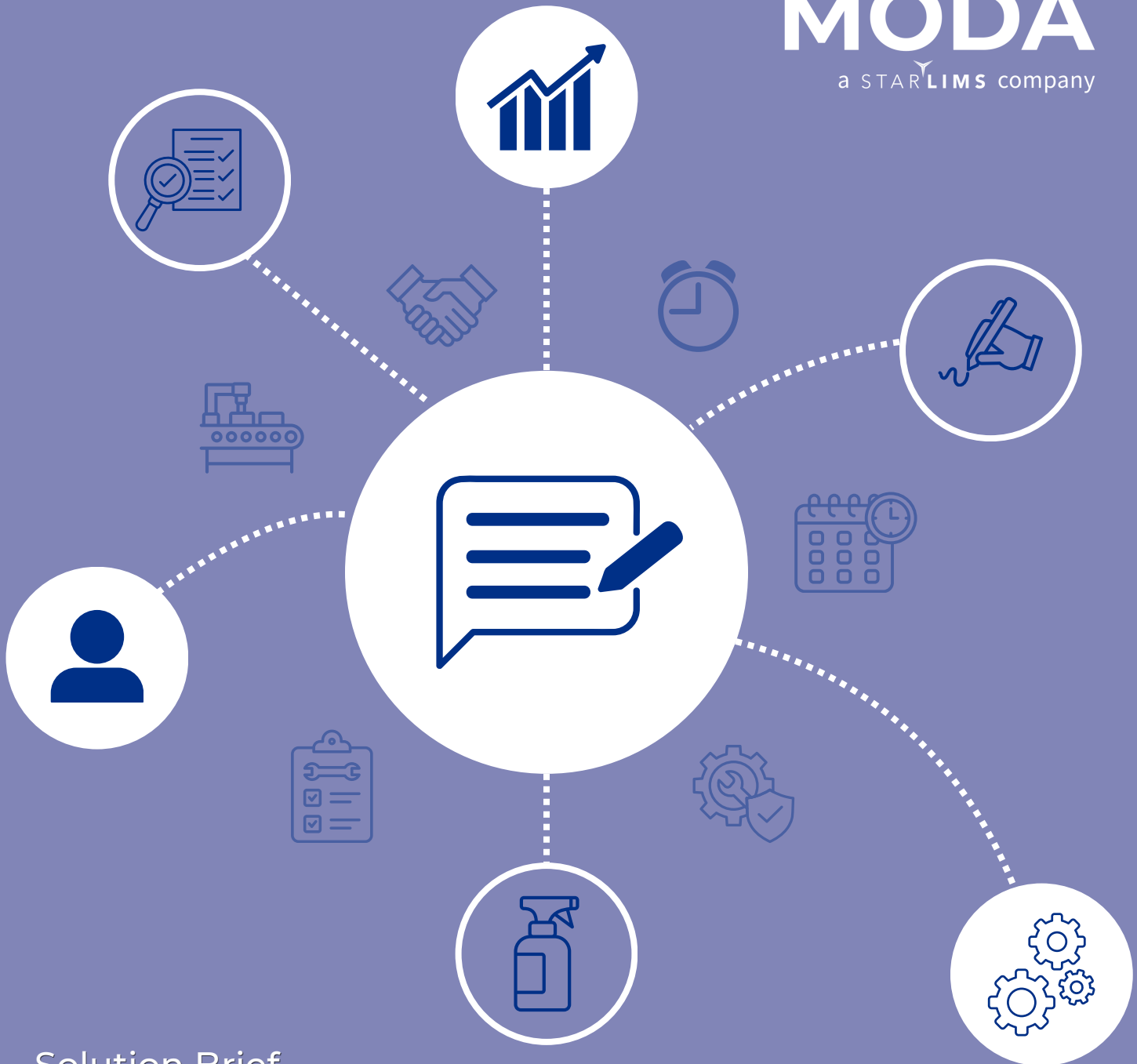




Solution Brief

MODA-ES

The Next-Generation Electronic Batch
Record Platform

The Cost of Disconnected Manufacturing Operations

Manufacturing is complex, with success depending on more than production activities. Bringing a product to market requires manufacturers to accurately capture and manage critical data across the production lifecycle, enforce process controls, and move products efficiently through review and release.

For many life sciences organizations, manufacturing and quality data is spread across batch records, different systems, equipment logs, laboratory processes, and disconnected applications. As information moves between teams and systems, organizations face increased administrative effort, limited visibility, and lengthy review cycles that can slow product release, increase costs, and delay critical business decisions.

How Much Time is Your Team Spending on Documentation?

According to McKinsey & Company, pharma operations personnel spend approximately **30% of their working time** on documentation-related activities.

MODA-ES: Bridging the Gap Between Manufacturing and Quality

MODA-ES (Execution System) Electronic Batch Record Execution platform is a manufacturing and quality execution solution that replaces paper-based processes with connected digital workflows, electronic records, integrated data capture, and review-by-exception capabilities.

By bringing manufacturing and quality activities together into a single batch record, MODA-ES helps organizations streamline execution, improve data integrity, and accelerate decision-making throughout the production lifecycle.

Designed specifically for regulated life sciences environments, MODA-ES supports manufacturing operations, quality processes, equipment workflows, and batch documentation within one digital ecosystem.

Accelerate Manufacturing Performance

By reducing reliance on paper-based and manual review processes, MODA-ES helps manufacturing and quality teams spend less time managing records and more time focusing on quality, production, and continuous improvement initiatives.

With greater visibility into manufacturing and quality data, life sciences organizations can streamline review and approval processes, reduce administrative burden, and support faster product release. The result is a more connected and efficient approach to manufacturing operations that improves productivity while maintaining compliance and process control.

up to **70%**
of review activities
eliminated with
MODA-ES

Accelerate Batch Release

Reduce manual transcription and calculation errors through automated validation and controlled workflows.

Improve Data Integrity

Reduce manual transcription and calculation errors through automated validation and controlled workflows.

Streamline Review and Approval

Support real-time review processes and reduce the effort required to verify routine activities.

Increase Operational Visibility

Access manufacturing and quality information through a connected platform that supports faster, more informed decision-making.

Reduce Administrative Burden

Eliminate paper handling, duplicate data entry, and manual review activities to save time, costs, and resources.

One Platform, Multiple Capabilities

Manufacturing and quality teams need more than electronic records. They need a way to connect processes, data, and people across the product lifecycle. By combining digital electronic batch records, workflow automation, integrated data capture, and review-by-exception functionality into MODA's configurable platform, organizations can reduce manual effort while improving operational visibility.

Designed with usability in mind, MODA-ES features an intuitive interface and configurable workflows that can be adapted to evolving operational requirements without extensive customization. This helps teams standardize processes while reducing the burden on internal IT resources.



Electronic Batch Records

Digitize batch execution activities that guide users through approved processes, while capturing critical manufacturing and quality data.

Manufacturing and Quality Workflows

Standardize manufacturing, quality, equipment, and process activities through configurable workflows that improve consistency and reduce manual effort.

Review and Approve by Exception

Automatically validate calculations, signatures, and workflow requirements while highlighting only the deviations and exceptions that require attention.

Enterprise Integration

Connect manufacturing, quality, laboratory, and business systems to eliminate manual data transfer and create a connected flow of data across the organization.

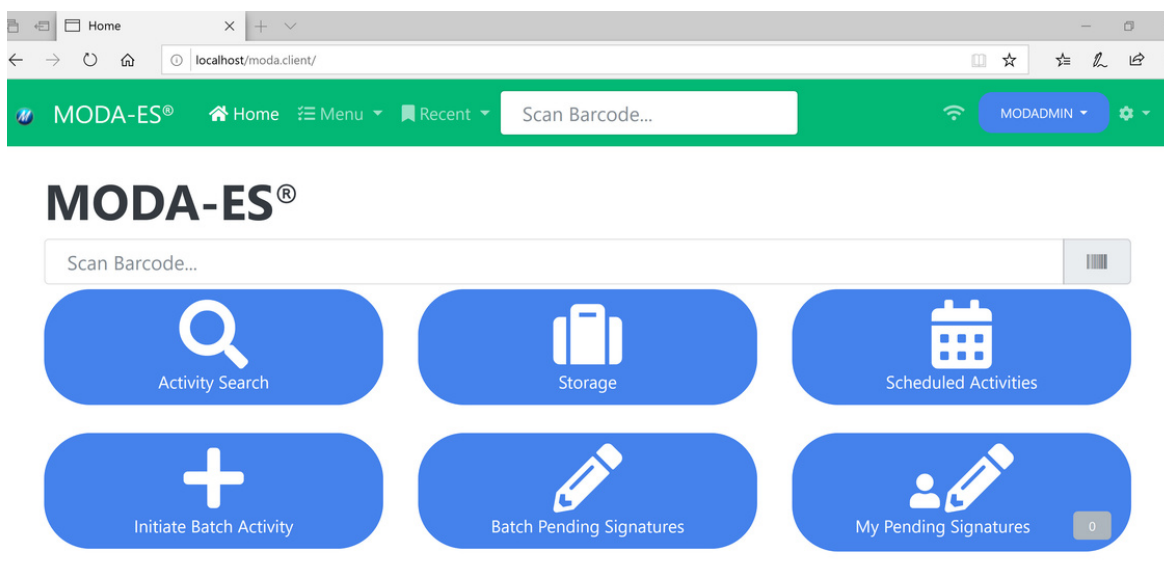
Built for Review and Approve By Exception, Not Routine Verification

Traditional review processes often require multiple people to verify the same information before a batch can be approved. One of the biggest advantages of MODA-ES is its ability to simplify this process, so reviewers focus on what matters most. By validating calculations, verifying required process steps, and highlighting only deviations or exceptions that need attention, MODA-ES helps teams improve consistency, streamline review activities, and support faster product release.

Turn Manufacturing Operations Data Into Actionable Insight

Manufacturing generates significant volumes of data, but that information only creates value when it can be accessed, reviewed, and acted upon. When data is trapped in paper records or isolated systems, organizations waste valuable time searching for information, verifying entries, and reconciling records instead of focusing on production and quality outcomes.

With GMP compliance and tracking at its core, the MODA-ES® Platform combines data capture and error prevention with the flexibility to capture and trend key quality and performance metrics, both in the lab and on the production floor.



Connect Data Across Operations

Manufacturing data doesn't exist in a single system. MODA-ES integrates with manufacturing, quality, laboratory, and business applications to create a connected flow of information across your organization. Integration capabilities support systems such as LIMS (Laboratory Information Management Systems), ERP (Enterprise Resource Planning), QMS (Quality Management Systems), LES (Laboratory Execution Systems), equipment platforms, and other business-critical applications.

By reducing manual data transfer and improving accessibility, organizations can improve efficiency while strengthening data integrity across operations.

A Flexible Foundation for Growth

Designed for flexibility and ease of use, MODA-ES enables life sciences organizations of all sizes to digitize manufacturing and quality workflows without the cost and complexity often associated with traditional electronic batch record systems. Easy to configure, simple to maintain, and scalable to support growth, MODA-ES provides a practical foundation for modern manufacturing and quality execution.

Visit us at: modatechplatform.com