



GUIDE · MATERIAL

The Batch Traceability Readiness Guide

A practical framework for evaluating traceability platforms against your actual recall risk.

IIOT INFOTECH · RELATED SOLUTION: END-TO-END TRACEABILITY PLATFORM

How to think about this decision

Four questions to work through before evaluating any vendor — including us.

1. Start with your worst-case recall scenario

Before evaluating any traceability platform, walk through your current process for a hypothetical recall: how long would it genuinely take to identify every affected batch, machine, operator and shipment? For most manual, paper-based operations, the honest answer is 4-7 days.

2. The benchmark worth targeting

Comparable digital traceability deployments report batch recall trace time under 30 minutes (a 98% reduction), dispatch error rates below 0.2% (down from 2-4%), and compliance audit preparation reduced by roughly 90% of effort.

3. Why WIP and inventory reduction is a traceability side-effect, not the main pitch

Plants adopting scan-based traceability often report 18-22% reductions in WIP and inventory levels — not because traceability directly reduces inventory, but because real-time visibility into where every batch actually is eliminates the safety-stock buffers teams build when they don't trust their own tracking.

4. Sequencing: raw material inward first, dispatch documentation last

The highest-value starting point is RM inward and batch assignment, since every downstream traceability capability depends on batches being correctly identified at the point of receipt. Dispatch documentation is valuable, but only as good as the batch genealogy feeding into it.

WHERE IIIOT FITS

If you decide to move forward

Traceability Platform is built around the framework above, not around a generic feature list.

QR/RFID at Every Stage

Real-time tracking from raw material inward through WIP process to finished goods and dispatch — an unbreakable digital thread from supplier to customer.

Quality Gate Workflows

Parameterised grading with digital Approve/Hold/Reject decisions and evidence capture at every quality checkpoint.

AI-Powered & Rule-Based Alerts

Predictive and rule-based alerts flag anomalies — shelf-life risk, missing sync, quality deviations — before they become bigger problems.

<30 min	35% less	20% less	28% more
BATCH RECALL TRACE TIME	QUALITY REJECTION RATE	WIP REDUCTION	OEE IMPROVEMENT

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