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MES Migration **Readiness Assessment**

For manufacturers running SAP ME/MII facing the 2027/2030 end-of-life

SAP has confirmed end-of-life for SAP ME and MII. The mainstream maintenance ends December 2027 and extended support ends in December 2030. SAP Digital Manufacturing (DM) is positioned as the successor, but it is a different product on a different technology stack. There is no upgrade path, few migration tools, and hardly any code portability. Every SAP ME customer faces a full reimplementation regardless of which direction they choose. This assessment gives you the clarity to make that decision with confidence.

What we assess

01

Customization inventory: Activity Hooks, custom POD plugins, custom data fields, and their interdependencies. Most SAP ME customers cannot fully inventory their own customization footprint.

02

Integration mapping: MII BLS transactions (standard SAPMEINT vs. custom-built), ERP integration flows, PCo agent configurations, and equipment protocol landscape.

03

Data model exposure: Runtime overrides (SFC-specific BOMs and routing changes), custom data attributes used as workflow flags, and undocumented business logic.

04

Compliance and validation posture: Validated workflows, electronic signature configurations, regulatory framework dependencies (FDA, ISO, IATF), and re-validation scope.

05

Transition path comparison: Risk-adjusted timeline and cost comparison for SAP DM migration versus re-platforming to a purpose-built MES.

Why this matters now

01

The clock is running:
MES reimplementation for a complex site takes 12 to 24 months. With mainstream maintenance ending in 18 months, organizations that have not started planning are already behind.

02

SAP DM is not an upgrade:
Different database schema, different extensibility model (BTP/Kyma vs. NetWeaver/Java), different integration framework (CPI vs. SAPMEINT). Zero code portability.

03

The hidden iceberg:
Most SAP ME implementations carry extensive custom logic distributed across Activity Hooks, BLS transactions, and custom data fields with no single view or dependency graph.

04

Waiting costs more:
Extended maintenance (2028-2030) provides reduced scope at a premium cost, while the skilled consultant pool shrinks and technical debt continues to accumulate.

05

The decision is already made:
The question is not whether to reimplement. It is what to reimplement on. That decision deserves an evidence base, not an assumption.

Answers

1. How exposed am I?

Customization depth, integration complexity, validation burden

2. What does SAP DM actually require?

Real scope, cost, timeline and architectural constraints

3. Is there a better path?

Head-to-head comparison based on your specific situation



What you receive

01

Customization Inventory:
Complete catalog of Activity Hooks, BLS transactions, custom data fields, and POD plugins with functional classification and risk assessment.

02

Architecture Gap Analysis:
Current-state architecture mapped against SAP DM requirements and modern MES capabilities. Every component stress-tested for portability.

03

Path Comparison:
Risk-adjusted timeline and cost comparison for SAP DM migration versus re-platforming. Written for executive decision-making, not IT evaluation.

04

Decision Framework:
Prioritized roadmap with recommended sequence, resource requirements, and critical path dependencies. Standalone value regardless of platform choice.

Engagement structure



Duration:

a. 2 to 3 weeks

b. One site, one production area. Focused scope for actionable results.



Delivered By

a. HCLTech in consultation with Critical Manufacturing

b. Domain expertise in your vertical: semiconductor, electronics, medical device, or industrial equipment.



Deliverable

a. Findings Report for COO / VP Ops

b. An assessment document, not a sales proposal. Designed to circulate internally and inform the buying decision. actionable results.

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