



# SAP MII Development in The Edge First Manufacturing (EFM) Platform

The Edge First Manufacturing (EFM) platform delivers end-to-end digital transformation for manufacturing enterprises. Our SAP MII BLS Transaction Manager is a powerful module within the EFM ecosystem that liberates your existing SAP investments while enabling modern manufacturing capabilities.



# EFM Platform Modules



Production Management

**Real-time OEE, production tracking, quality control**



AI-Powered Analytics

**Predictive maintenance, demand forecasting, quality prediction**



Inventory & Warehouse

**Smart inventory, automated replenishment, track & trace**



Workforce Management

**Skills matrix, training, attendance, performance**



Maintenance Management

**Preventive, predictive, and prescriptive maintenance**



Pharma Compliance

**21 CFR Part 11, batch genealogy, ALCOA+ compliance**

SAP MII Transaction Manager

**Convert, deploy, and manage BLS transactions**

TV Dashboard

**Real-time shop floor visualisation**

Blockchain Audit Trail

**Immutable records for compliance**



# Why SAP MII Transaction Manager in EFM?

## Unified Manufacturing Platform

SAP is sunsetting SAP MII. Unlike standalone conversion tools, EFM's SAP MII Transaction Manager integrates seamlessly with:

- Production Orders from EFM automatically trigger converted BLS transactions
- Quality Data flows directly into EFM's SPC/SQC analytics
- Inventory Movements update EFM's real-time inventory tracking
- Equipment Data feeds into EFM's OEE calculations

## Seamless Integration Benefits

Traditional Approach:

**SAP MII → Converter → Node.js ↓ ↓ ↓ Isolated Separate  
Manual Services Monitoring Integration**

EFM Integrated Approach:

**SAP MII → EFM Platform → Unified Operations ↓ ↓ Automatic  
Single Dashboard Integration Unified Analytics**



# Unique EFM Advantages

- 1 Pre-Built Manufacturing Templates
  - Industry-specific patterns (Automotive, Pharma, F&B, Chemical)
  - Best practice implementations
  - Regulatory compliance built-in

- 3 Advanced Orchestration
  - Workflow designer for complex processes
  - Event-driven architecture
  - Conditional routing
  - Error handling & retry logic

- 2 Intelligent Context Mapping
  - Automatic mapping to EFM data models
  - Smart parameter binding
  - Cross-module data flow
  - Real-time synchronisation

- 4 Enterprise Features
  - Multi-plant deployment
  - Role-based access control
  - Change management workflow
  - Version control & rollback



# Integration with EFM Modules

## Production Management Integration

```
// Converted BLS transaction automatically integrates with EFMconst productionOrder = await EFM.Production.getOrder(orderId);const blsResult = await EFM.SAPMIIManager.execute('MaterialConsumption', { order: productionOrder, autoUpdate: true // Updates EFM production tracking});
```

## Quality Management Integration

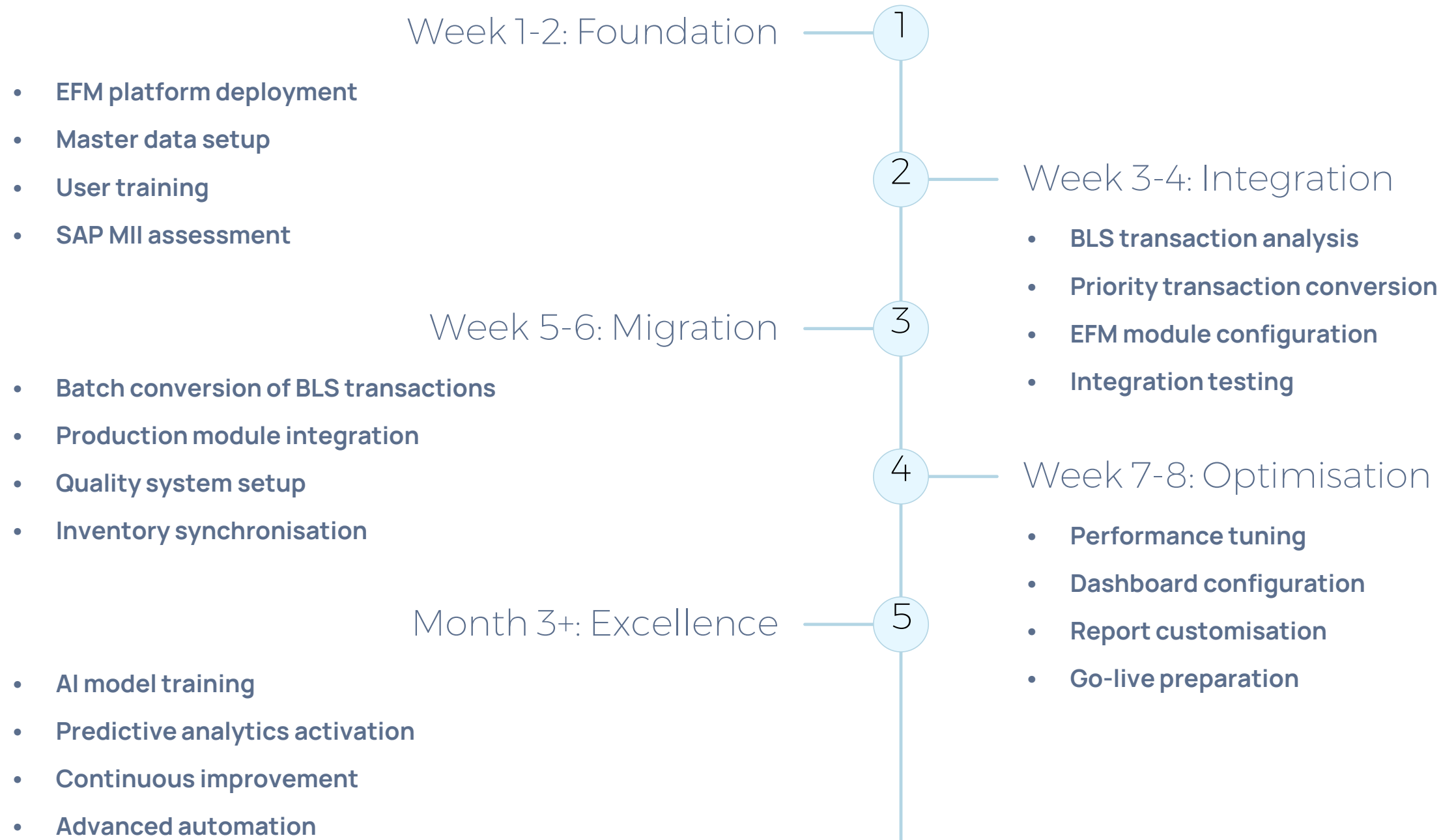
- SPC calculations from BLS feed directly into EFM quality charts
- Inspection results update EFM quality dashboard
- NCR generation triggers EFM workflow

## Inventory Integration

- Material movements update EFM inventory in real-time
- Stock levels synchronise across systems
- Automated reorder points based on consumption



# Implementation Roadmap with EFM

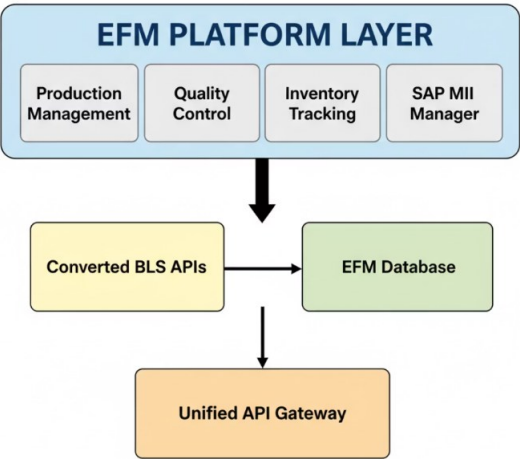




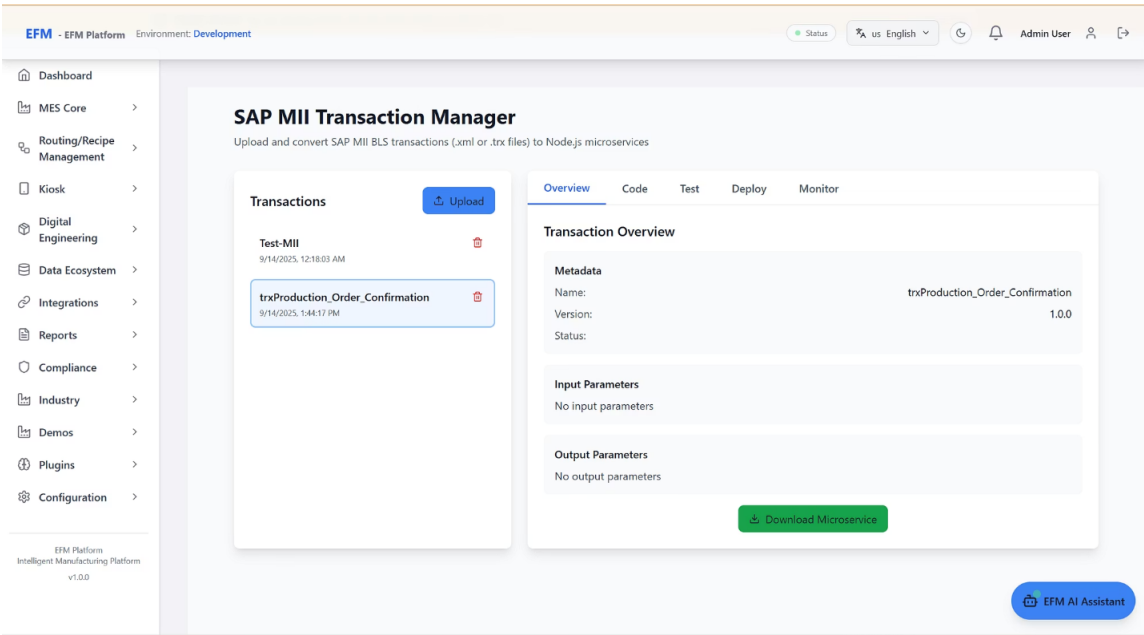


# Technical Excellence

## EFM Architecture with SAP MII Manager



## Smart Integration Features



### ✓ Auto-Discovery

- Automatic detection of BLS dependencies
- Smart relationship mapping
- Cross-reference validation

### ✓ Intelligent Routing

- Context-aware execution
- Load balancing
- Failover management

### ✓ Data Harmonisation

- Automatic unit conversion
- Master data synchronisation
- Format standardisation



# Why Choose EFM's SAP MII Manager?

✓ Part of Complete Platform

**Not just a converter - a complete manufacturing transformation platform**

✓ Pre-Integrated Modules

**Works seamlessly with production, quality, inventory, and maintenance**

✓ Industry Templates

**Pre-built solutions for automotive, pharma, F&B, and chemical industries**

✓ Proven Scale

**Deployed in 100+ factories worldwide, managing 10,000+ transactions**

✓ Future-Ready

**AI/ML capabilities, IoT ready, blockchain enabled, cloud-native**

✓ Single Vendor Advantage

**One platform, one vendor, one support team**





# Get Started with EFM



Schedule Your Demo



Proof of Concept

See EFM's SAP MII Manager in action:

1. Live conversion of your BLS transaction
2. Integration with EFM modules
3. ROI calculation for your operation
4. Custom implementation roadmap

30-Day POC Programme:

- Convert 10 critical BLS transactions
- Deploy in your environment
- Integrate with one EFM module
- Measure actual performance gains

Book Demo:

<https://hackaback.com/book-demo>



# EFM

EDGE FIRST MANUFACTURING

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