

AUTOMOTIVE FINANCE TRANSFORMATION

Oracle ERP & EPM Integrated Architecture

Unifying transactional excellence with strategic foresight for the global mobility era.

THE VISION

Integrated Automotive Performance Management

Bridging the gap between plant-floor execution and executive strategic planning.

Why ERP + EPM for Automotive?

Unified Data Thread

Connect VIN-level manufacturing costs directly to corporate margin targets. Ensure that every production decision is aligned with long-term profitability goals.

Agility in Transition

Model the financial impact of the shift from ICE to EV platforms. Simulate R&D investment scenarios and supply chain disruptions with real-time actuals.

Oracle Fusion ERP: The Transactional Base

-  **General Ledger:** Multi-GAAP support for global manufacturing plant footprint.
-  **Payables & Procurement:** JIT supply chain orchestration and landed cost management.
-  **Fixed Assets:** Automated lifecycle management for die, tooling, and robotic assets.
-  **Accounts Receivable:** Dealer billing, incentives, and mobility-as-a-service revenue.



Oracle Cloud EPM: Strategic Performance



Planning (EPBCS)

Long-range planning for EV battery
R&D and workforce transition
modeling.



Consolidation (FCCS)

Global multi-entity close with
automated intercompany eliminations.



Profitability (PCM)

Granular margin analysis by vehicle
line, region, and distribution channel.

Unified Data Thread: ERP to EPM

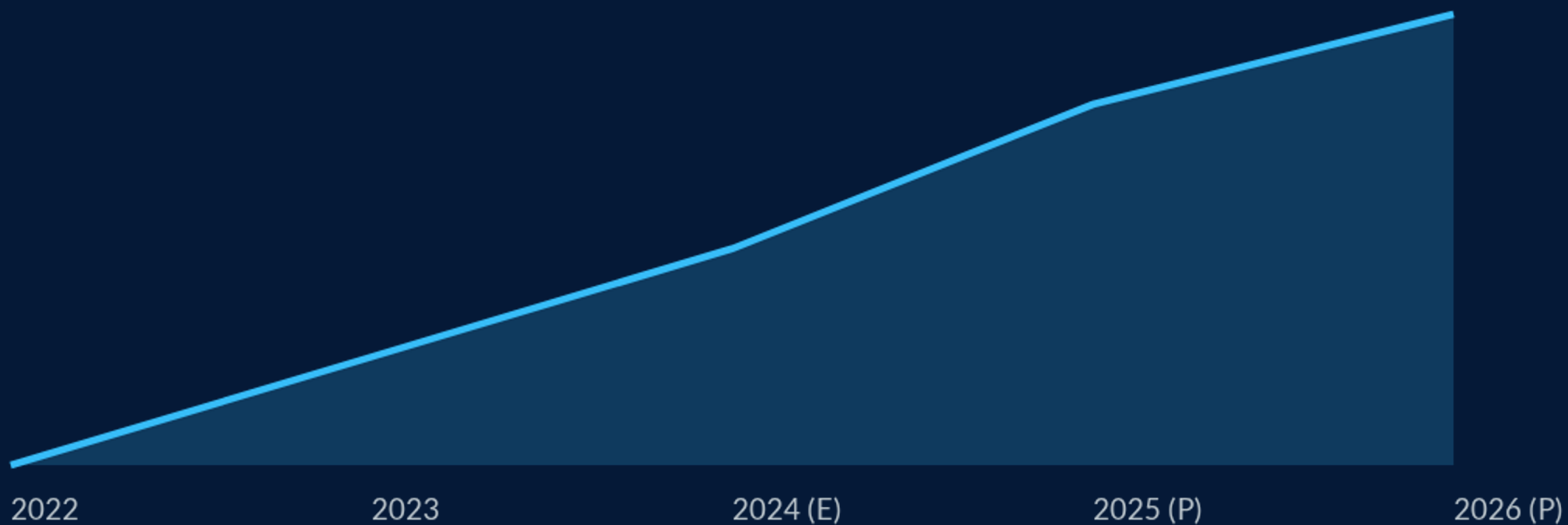
The integration between Oracle Fusion ERP and Cloud EPM creates a closed-loop system for continuous improvement.

- ✓ **Direct Sync:** Automated push of GL balances to EPM for month-end close.
- ✓ **Drill-Back:** From EPM targets back to transactional ERP source documents.
- ✓ **Write-Back:** Approved budgets pushed back to ERP for budgetary control.



Planning for the EV Transition

Projected EV Market Share & R&D Capitalization



Utilizing Oracle EPM Planning to model capitalization of software and battery R&D expenses.

Global Consolidation Agility

Accelerated Financial Close

Oracle Cloud EPM FCCS provides a pre-built consolidation engine tailored for global automotive footprint.

- ✓ **Intercompany:** Auto-match and eliminate high-volume parts trade.
- ✓ **Currency:** Real-time translation of subsidiary results.
- ✓ **Compliance:** Ready-to-use ESG and IFRS 16 reporting.

VIN-Level Auditability

Full transparency from consolidated net income down to individual plant-floor work orders.

Profitability & Cost Management

12%

Margin Improvement

Cost Allocation Excellence

PCMCS allocates complex shared service and IT costs back to vehicle platforms and regional sales units with mathematical precision.

Identify "Unprofitable VINs" by overlaying warranty, logistics, and sales incentive data atop manufacturing actuals.

Account Reconciliation & Trust

Compliance Objective	Standard	EPM Cloud Solution (ARCS)
Intercompany Balancing	BEPS / OECD	Automated high-volume matching engine
Warranty Accruals	ASC 606	Transaction-level certification workflow
Inventory Valuation	LIFO/FIFO	Risk-based reconciliation of ERP subledgers
Cash Visibility	SOX 404	Automated bank reconciliation sync

Sustainability & Disclosure

The Future of Reporting

Combine financial actuals with carbon footprint data in Oracle Narrative Reporting. Automotive firms can now tell their "Green Story" with the same rigour as their financial results.

Track progress toward carbon neutrality and supply chain transparency in a single, audit-ready environment.

Questions?

Accelerating Financial Maturity in
Automotive

<https://stefandumitriu30-cloud.github.io/my-website/>

Image Sources

<https://www.supplychainbrain.com/ext/resources/2026/04/02/MANUFACTURING-AUTOMATION-AUTOMATED-ROBOTS-FACTORY-iStock-SweetBunFactory-1654943682.webp?t=1775448327&width=1080>

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