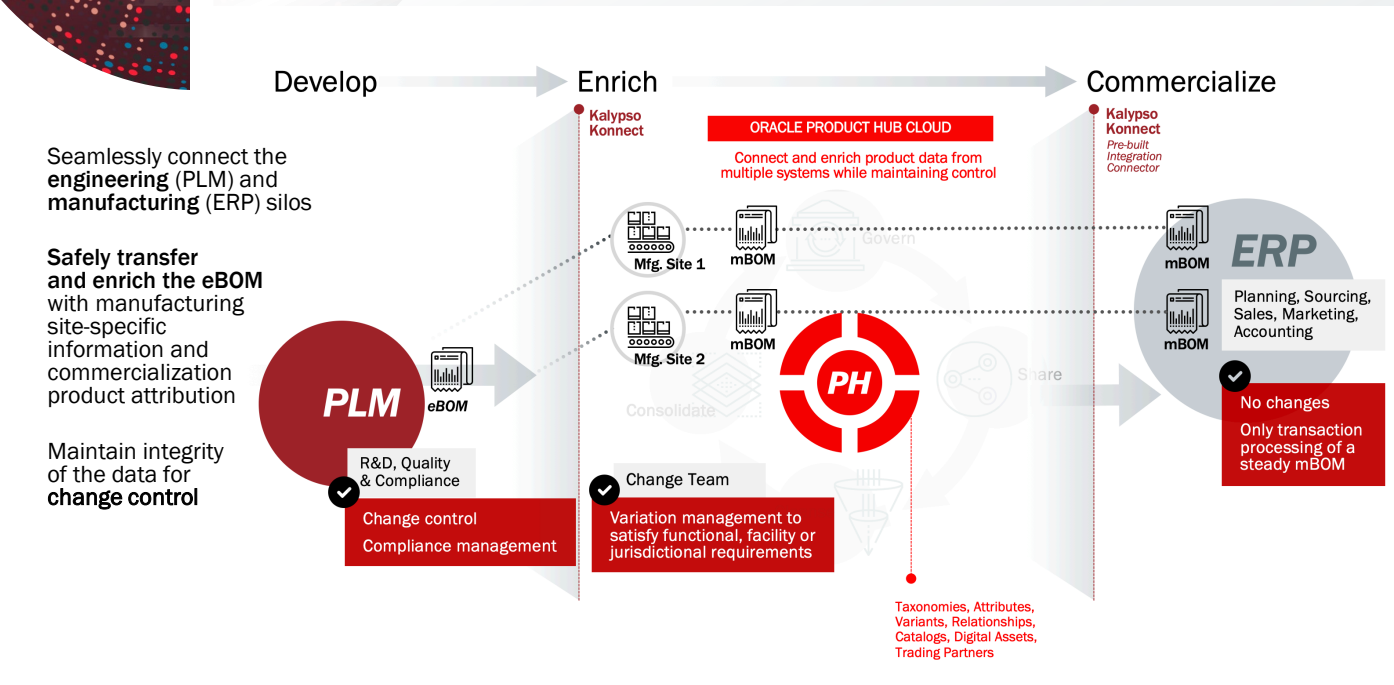# PLM to ERP Integration

Enable a flexible yet controlled integration between engineering and manufacturing to meet the requirements of commonly encountered commercialization scenarios **with Oracle Product Hub Cloud**

Develop → Enrich → Commercialize

Seamlessly connect the **engineering** (PLM) and **manufacturing** (ERP) silos

Safely transfer and enrich the eBOM with manufacturing site-specific information and commercialization product attribution

Maintain integrity of the data for **change control**

Kalypso Konnect

ORACLE PRODUCT HUB CLOUD
Connect and enrich product data from multiple systems while maintaining control

Kalypso Konnect
Pre-built Integration Connector

PLM

eBOM

Mfg. Site 1 — mBOM

Mfg. Site 2 — mBOM

PH

Govern

Share

Consolidate

ERP

mBOM

mBOM

Planning, Sourcing, Sales, Marketing, Accounting

No changes
Only transaction processing of a steady mBOM

R&D, Quality & Compliance
Change control
Compliance management

Change Team
Variation management to satisfy functional, facility or jurisdictional requirements

Taxonomies, Attributes, Variants, Relationships, Catalogs, Digital Assets, Trading Partners

Benefits

- Accelerated product commercialization resulting in overall faster time-to-market
- Decreased compliance risk
- Reduced data management costs and transactional errors
- Improved product quality
- Improved agility to meet business demands

Succeed in PLM-ERP integration with a low-risk, low-cost implementation of **Oracle Product Hub** enabled by **Kalypso** expertise
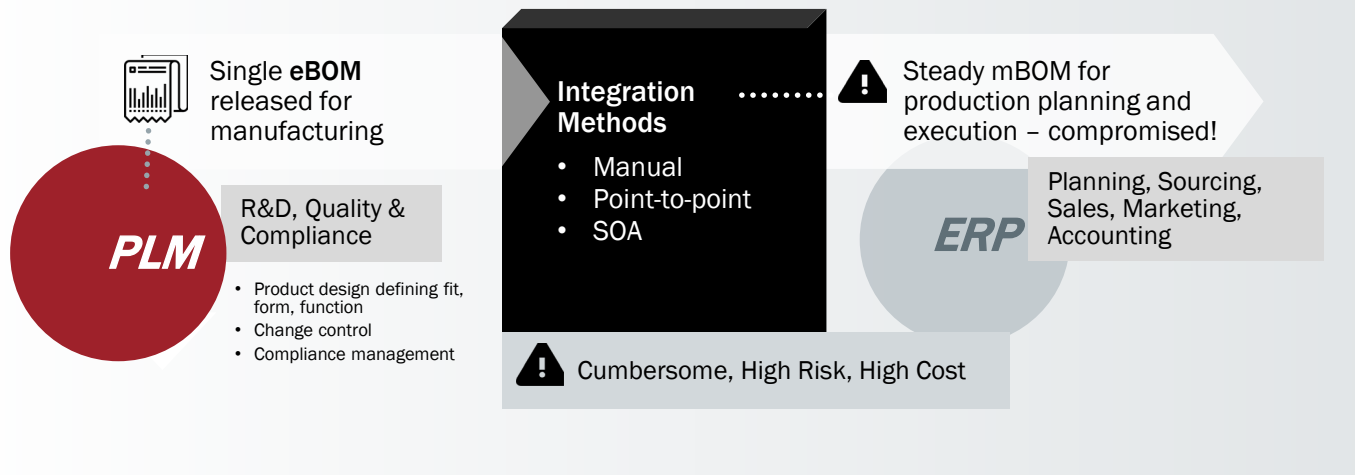
- ✔ Industry-leading commercialization practices in consumer goods, life sciences, manufacturing
- ✔ Deployment experience in hybrid (cloud/on- premises) and all-cloud environments
- ✔ Broad integration competency (PLM to authoring tools, ERP, PPM, CPQ, QMS, manufacturing applications, etc.)
- ✔ Proprietary pre-built integration connectors

Remove the **Risk** and **Burden** from Design to Manufacturing Transfer

The ability to deliver quality, compliant products quickly to market is critical for innovation success. To achieve this goal in the digital age it's not enough for companies to perfect product development and manufacturing processes; they must also connect and operate fundamental applications like product lifecycle management (PLM) and enterprise resource planning (ERP) seamlessly.

The challenge lies in translating a single engineering bill of material (eBOM) into multiple manufacturing bills of material (mBOM) to satisfy commercialization needs across functional areas, production facilities and geographies. Dynamic business conditions pose additional pressure or flexibility in integration rules.

Current PLM to ERP integration methods are cumbersome with limited visibility of the design to manufacturing BOM transformation, and carry high risk and cost.

Single **eBOM** released for manufacturing

PLM

R&D, Quality & Compliance
- Product design defining fit, form, function
- Change control
- Compliance management

Integration Methods
- Manual
- Point-to-point
- SOA

⚠ **Cumbersome, High Risk, High Cost**

⚠ Steady mBOM for production planning and execution – compromised!

ERP

Planning, Sourcing, Sales, Marketing, Accounting

Risks

- Slower time-to-market
- Infringed design control
- Lack of compliance and traceability
- Lower product quality
- Ineffective cross-functional collaboration
- Lower product integrity, data access and accuracy
- High data management cost

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