# KPIT

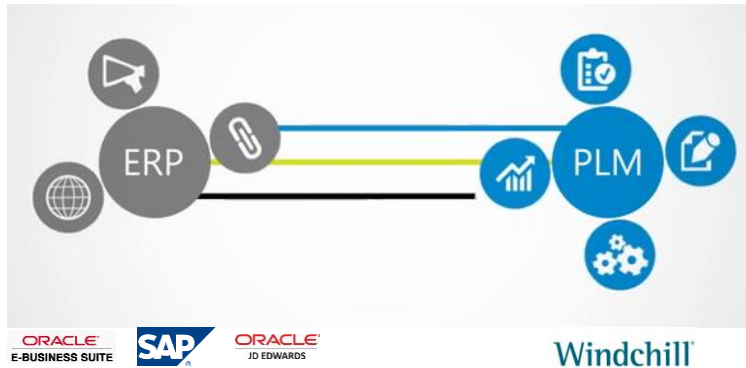# Seamless PTC Windchill PLM and ERP Integration

## Robert Morrison

Manager, Products & Innovations: KPIT's Extended PLM

## PLM to ERP Integration

- Responsible for developing new products & innovations
- Recognized by PTC for outstanding achievement
- B.S. in Mechanical Engineering from North Carolina State University

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# Why Integrate Your ERP and PLM Systems?

# Eliminate the uncertainties around data integrity
Five Benefits of Seamless Integration

**01** No additional hardware or middleware required
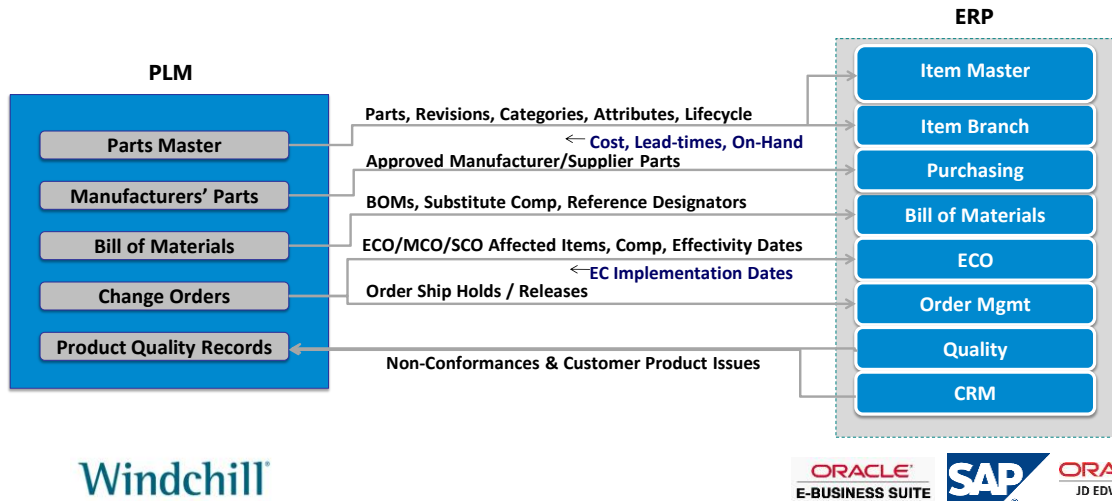
**02** Supports major PLM systems

**03** Bi-Directional

**04** Integrate multiple PLM instances

**05** Dynamic mapping

# iLink™ – The PLM Adaptor for ERP
Seamless ERP to PLM integration

**ERP**

**PLM**

| PLM | Flow | ERP |
|-----|------|-----|
| Parts Master | Parts, Revisions, Categories, Attributes, Lifecycle | Item Master |
| | ← Cost, Lead-times, On-Hand | Item Branch |
| Manufacturers' Parts | Approved Manufacturer/Supplier Parts | Purchasing |
| Bill of Materials | BOMs, Substitute Comp, Reference Designators | Bill of Materials |
| Change Orders | ECO/MCO/SCO Affected Items, Comp, Effectivity Dates | ECO |
| | ← EC Implementation Dates | Order Mgmt |
| Product Quality Records | Order Ship Holds / Releases | Quality |
| | Non-Conformances & Customer Product Issues | CRM |

**Windchill**

ORACLE E-BUSINESS SUITE    SAP    ORACLE JD EDWARDS

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# Benefits of seamless, automated integration
Real-time, bidirectional synchronization

| **Benefits** | **Synchronizes** |
|--------------|------------------|
| • Improved data quality and accuracy | • Bills of Materials |
| • Reliable closed-loop transaction management | • Items and Revisions |
| • Better adherence to design intent and customer requirements | • Engineering Change Orders |
| • Low cost, fixed priced product and deployment | • Manufacturers and Manufactured Parts |
| | • Product Quality Problem Reports |

## iLink™ Technical Features

- Built using ERP Event Rules and BSFN technology

- Does not require its own hardware

- Uses standard APIs to ensure upgradability and data integrity

- Provides a simple ERP graphical user interface for monitoring, troubleshooting, and resubmitting the transfer process

- Simple to install, use, and maintain

## Case Study: Qualcomm
iLink™ adaptor

| Business Context | Solution | Benefits |
| --- | --- | --- |
| • Need to drastically enhance the mission-critical integration flow between Agile PLM Enterprise Application and the Oracle EBS Suite | • iLink™ adaptor | ▪ Quickly and significantly improved data reliability, performance and automation ▪ Radically reduced synchronization errors and manual user intervention |

"iLink™ has greatly improved the quality of our Agile to Oracle EBS integration, reducing the IT support time while providing better support and throughput for Qualcomm's Engineering community."
~ Todd Davison, Qualcomm

Join us!

## Webinar
Application Development

# Seamless, Automated ERP to PLM Integration

**Thursday, June 18, 12:00 – 1:00 PM EDT**



**Presented By**

**David Bartlett**
**Head, PLM Delivery & Pre-Sales**
**North America**

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