

PTC Windchill PLM Solutions

- Pre-Sales Overview
- Digital Product Lifecycle Management Platform

Agenda

- 1. Market Challenges
- 2. What is PLM
- 3. Windchill Overview
- 4. Key Capabilities
- 5. Architecture
- 6. Business Benefits
- 7. Implementation Approach
- 8. Value Proposition

Industry Challenges

- • Disconnected product data
- • Engineering collaboration issues
- • Manual change management
- • Slow product development cycles
- • Lack of traceability and compliance

What is Product Lifecycle Management (PLM)

- PLM is a strategic business approach that manages product information, processes, and collaboration across the entire lifecycle of a product.

About PTC Windchill

- • Enterprise PLM platform
- • Centralized product data repository
- • Secure collaboration for engineering teams
- • Integrated product development environment

Key Capabilities

- • Product Data Management (PDM)
- • Change & Configuration Management
- • BOM Management
- • Document Management
- • Workflow Automation

Product Data Management

- • Manage CAD and engineering data
- • Version and revision control
- • Secure product data access
- • Multi-team collaboration

Engineering Change Management

- • Engineering Change Requests (ECR)
- • Engineering Change Orders (ECO)
- • Automated approval workflows
- • Complete audit trail

BOM Management

- • Manage Engineering BOM (EBOM)
- • Synchronize with Manufacturing BOM (MBOM)
- • Product structure visibility
- • Version-controlled BOM changes

System Architecture

- • Web-based enterprise platform
- • Cloud or On-Premise deployment
- • Scalable architecture
- • Secure data management

Integration Ecosystem

- • CAD integrations
- • ERP system integration
- • IoT connectivity
- • Manufacturing systems integration

Industries Using Windchill

- • Automotive
- • Aerospace & Defense
- • Industrial Manufacturing
- • Electronics & High Tech
- • Medical Devices

Business Benefits

- • Faster product development
- • Improved engineering productivity
- • Reduced product errors
- • Better compliance and traceability
- • Faster time-to-market

Implementation Approach

- 1. PLM Assessment
- 2. Solution Design
- 3. Implementation
- 4. Integration
- 5. Training & Support

Why Choose Our Windchill Services

- • Experienced PLM consultants
- • Proven implementation methodology
- • Integration expertise
- • Post-implementation support
- • Scalable enterprise solutions