

HCLTech | Supercharging
Progress™

XLM.AI

AI-powered intelligence for smarter
and faster lifecycle management



Our solution

HCLTech XLM.AI is an advanced AI-powered solution designed to enhance productivity, decision-making and collaboration across PTC's PLM and ALM platforms such as Windchill, CodeBeamer and Pure::Variants. Built on a secure and scalable architecture of AWS, empowering modern enterprises to operate flexibly and efficiently.

At the heart of this solution is an agentic architecture that connects PLM/ALM applications with intelligent functional agents through the XLM.AI AI Gateway. These functional agents respond to user requests across key lifecycle domains including requirements, test, BOM, documentation, change management and design validation.

Each agent is powered by advanced AI engines, such as machine learning, generative AI, natural language processing and design language models, to deliver accurate, context-aware responses based on business needs.

The solution is designed for adaptability and can be configured to align with specific use cases and enterprise environments, like customer-specific data models, AI platforms and network security protocols to ensure integration that is both compliant and effective.

With real-time multilingual support, intelligent search capabilities and automation of complex tasks, HCLTech XLM.AI facilitates organizations to reduce manual effort, improve data quality and accelerate lifecycle operations helping them navigate complexity with confidence and deliver value faster.



Features



Requirement management:

Automated compliance checks against INCOSE and other industry standards and decomposition and generation of high-quality, compliant requirements



Test management:

Generates AI-assisted structured test cases with high MDCDC accuracy and requirements coverage



Bill of Materials (BOM) and structure validation:

Ensures product structures are accurate and complete



Process plan generation:

Automates creation of manufacturing plans from engineering data



Multilingual translation:

Translates content and documentation in real-time with context-awareness



Design data validation:

Identifies inconsistencies and errors in design data sets



Intelligent part search:

Expedites retrieval of relevant components and data



Self-learning user support:

Resolves common queries via an AI bot resolve that continues to improve with feedback loop



Reusability engine:

Promotes the reuse of validated data and assets across projects



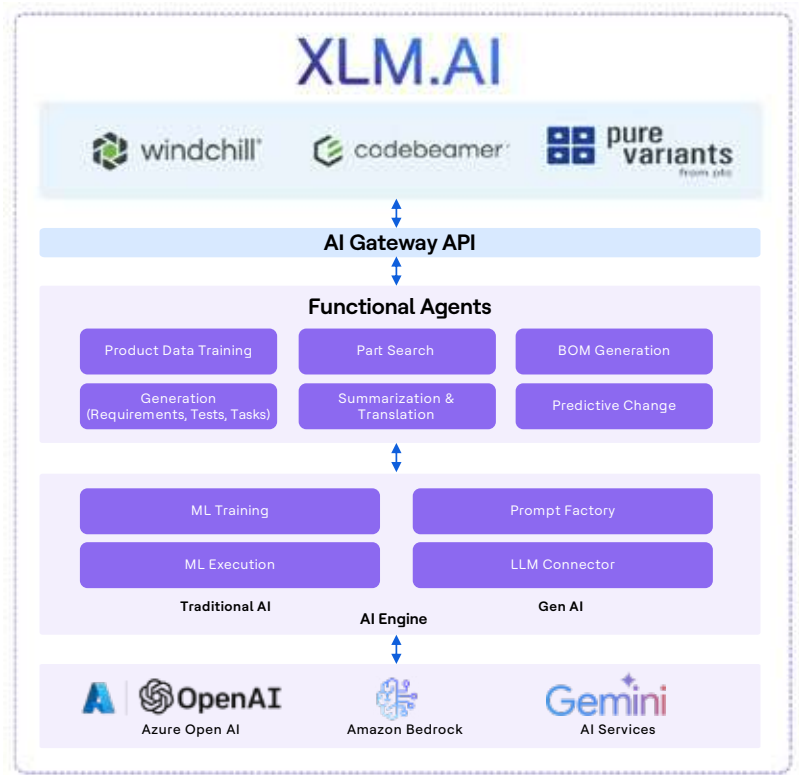
Localization support:

Localizes system interfaces and content for global deployment

Solution Workflow

HCLTech XLM.AI solution enhances product and application lifecycle management by automating, validating and streamlining critical processes.

The diagram shows how the AWS Bedrock-based solution connects with enterprise systems to provide intelligent automation, enhance collaboration, and offer actionable insights throughout the lifecycle ecosystem.



Key Benefits

40% faster time-to-market through automation

50% higher productivity with reduced manual tasks

25% cost savings via cloud deployment and fewer errors

Smarter decisions powered by AI-driven insights

Global collaboration enabled by multilingual support

Enterprise-grade enterprise-grade security for data integrity and compliance

Industry-aligned roadmaps addressing GenAI use-cases for standards and regulations

HCLTech is a global technology company, home to more than 227,000 people across 60 countries, delivering industry-leading capabilities centered around AI, digital, engineering, cloud and software, powered by a broad portfolio of technology services and products. We work with clients across all major verticals, providing industry solutions for Financial Services, Manufacturing, Life Sciences and Healthcare, Technology and Services, Semiconductor, Telecom and Media, Retail and CPG, Mobility and Public Services. Consolidated revenues as of 12 months ending March 2026 totaled \$14.7 billion. To learn how we can supercharge progress for you, visit hcltech.com

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