

Cross-application Awareness in Product Lifecycle Management

ID: 2014-019

Executive Statement:

An innovative PLM system designed to enhance collaborative engineering by integrating multi-user awareness features.

Technology Overview:

This technology, developed at Brigham Young University, aims to revolutionize Product Lifecycle Management (PLM) systems by incorporating features for multi-user collaboration similar to Google Docs and NXConnect. Named FireStormPLM (FSPLM), it is designed to allow multiple users to simultaneously access and modify engineering data, providing a live view of project statuses and team activities. The system emphasizes content and character awareness, facilitating improved collaboration in engineering environments.

Key Advantages:

- Enables real-time multi-user collaboration on engineering projects
- Integrates with popular collaboration tools like Google Docs and NXConnect for enhanced usability
- Provides live updates on project status and team member activities through character awareness features
- Supports efficient management of workflows and artifacts through a client-server architecture
- Facilitates better project management with design activity nodes and workflow views

Problems Addressed:

- Improves project collaboration inefficiencies in traditional PLM systems
- Addresses the lack of real-time data access and modification by multiple users
- Solves the issue of poor visibility into team activities and project status
- Eliminates the challenges in managing complex dependencies in engineering projects

Market Applications:

- Engineering firms looking to enhance collaboration and efficiency in product development
- Companies seeking to integrate their PLM systems with real-time collaborative tools
- Organizations aiming to improve visibility and management of complex engineering projects

- Software developers focused on creating collaborative platforms for engineering environments