

Collaborative Manager for Xpedition EDM

In many enterprises today, different engineering functions work in disconnected silos due to specialized tools and analysis used for specific domains. This leads to many inefficiencies, re-work, and limited opportunities for reuse. In the Digital Transformation journey of enterprises, the need for consistent information flows and processes is inevitable in order to handle the complexities and scale of the product development life cycle. This increased complexity is driven by increased electrical, electronic and software content in modern products. All product and manufacturing companies that are facing these challenges are eagerly looking for a solution to facilitate cross-disciplinary collaboration in their product development process.

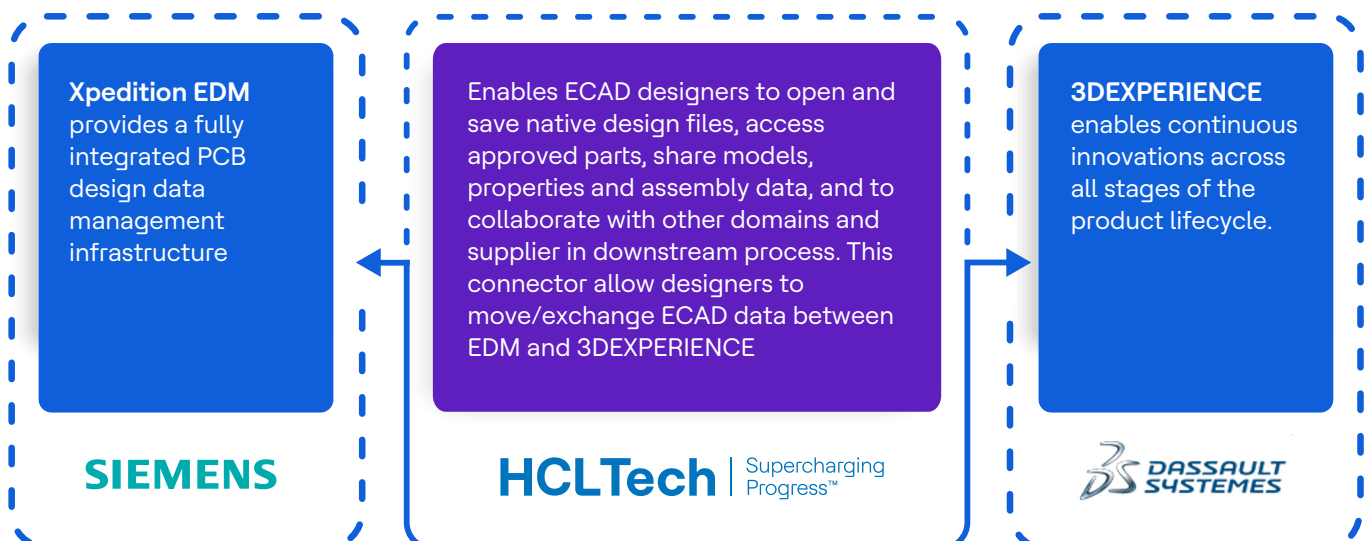
What we offer

“Collaborative Manager for Xpedition EDM” provides best-in-class ECAD and PLM integration.

The solution enables an integrated approach to connect ECAD design workflow to the complete product design ecosystem. This connector allows ECAD designers to view design files, clone-revise assembly structure, use ECAD structure as-is in parent product structure, access approved parts, share models, properties, and assembly data, and collaborate with other domains and suppliers in the downstream process.

This solution allows designers to manage ECAD design data between Siemens EDM and the Dassault Systems 3DEXPERIENCE more consistently and efficiently. Designers can access, publish and synchronize information with the 3DEXPERIENCE platform without leaving the EDM design environment.

HCLTech Collaborative Manager for Xpedition EDM



Use Cases



Design and Project Structure Management

- ECAD templates to drive a consistent design process
- Design configuration maps ECAD datasets to PLM business objects



Design Data Synchronization

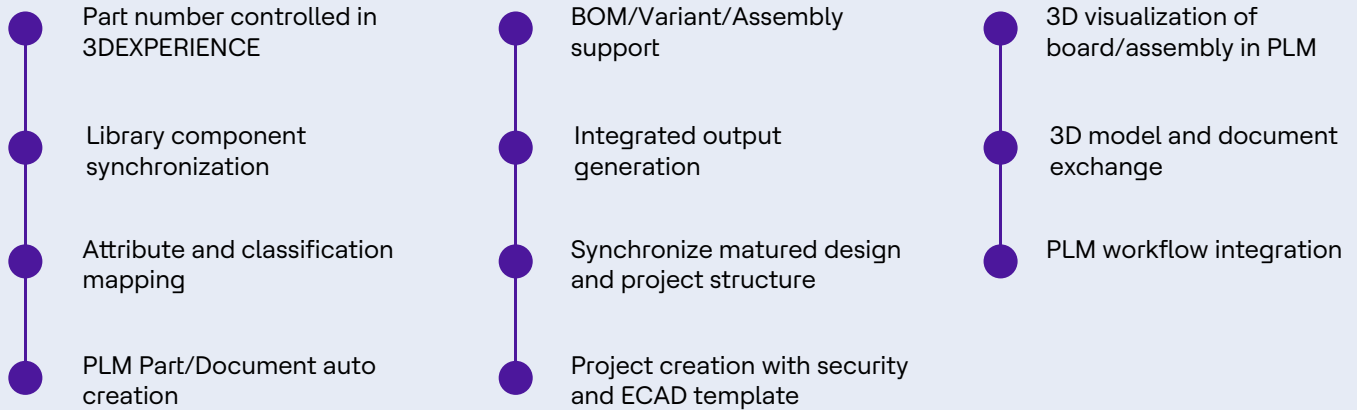
- Publish Schematic layout, board structure ,documents and 3D representation of PCB assembly to PLM



Library Synchronization

- Manual, automated or batch mode component bi-directional synchronization between ECAD and PLM

Key Functionalities



Solution Benefits

Effective Data Management

Manage security and distribution of library data and reusable IP data across teams. This allows ECAD designers to access approved parts, share models, properties, and assembly data, and collaborate with other domains and suppliers in the downstream process.

Accelerated Product Development

EDM-3DEXPERIENCE integration improves and shortens the product development time by enabling teams to collaborate and understand the impact of their designs early in the product lifecycle. It minimizes unnecessary rework and expense



Enable Collaborative Design Process

Enable collaboration with enterprise team through simplified data exchange. EDM designers can access, publish and synchronize information with the 3DEXPERIENCE platform without leaving EDM design environment.

Data Reusability

Component classification and synchronized process increases the chances of reusability of components and avoids the creation of duplicates.

For more information contact: Philip Balmforth philip.balmforth@hcl.com, Hemant More hemant.more@hcl.com