GeometricEDGE
An HCL Technologies Product

> *"The future of manufacturing is in joint-development, design, production, and service of products. Enabling the operationalizing of data exchange between partners in a cost and time effective manner will be key for success."*
> *- Peter Bilello, President CIMdata*

In a rapidly changing market environment, OEM's are creating and evolving their business partnerships with other manufacturers or creating joint ventures to gain access to local markets, technology, resources and increasing their product range in a shorter time. The number of such partnerships and joint ventures is growing quickly. However, inherent differences in the product development methodologies and systems are hampering the timely realization of these partnerships due to increasing challenges in enabling data exchange between partners
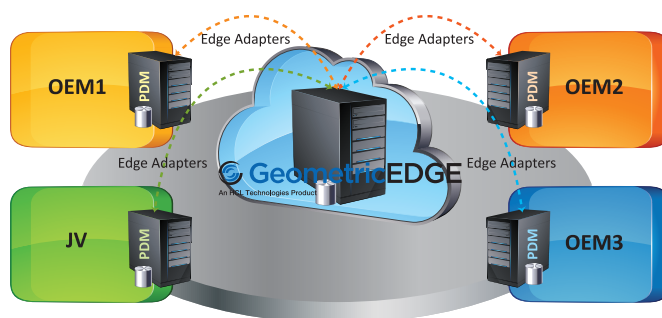
- Usage of different data authoring and management systems
- Business processes differences
- Increasing data validation requirements
- Maintaining confidentiality and security

The ability to create such partnerships/ventures and ramping the production in a short time is a key factor for their success.

GeometricEDGE

GeometricEDGE is a collaboration platform that enables process based Design and Engineering data exchange securely between partners for global Engineering. Its flexible process orchestration helps partners establish collaborative environments faster while limiting the risks associated with differences in processes, practices and tools. GeometricEDGE is based on industry and de-facto standards like STEP AP242, ISO JT, BPEL, XML.

It enables customers to persist and audit the data using admin user interface maintaining a fine control over the data exchange process. Extensive data exchange analytics provides visibility into data sharing patterns and opportunities for further optimization. The solution can be configured for newer partnerships / joint ventures easily and can be deployed on on-premises or a private cloud for scalability.

Solution Benefits

Reduced Cost of Ownership
Reduced setup time and cost for establishing data exchange with Partners/ Joint Ventures

Security
Secures OEM PDM by persisting "shared" data in the Collaboration Hub

Flexibility
Process Templates provide flexibility to manage OEM partner pair specific exchange processes

Extensibility
Extensible data model – OEM specific attributes and objects

Performance
Optimized performance for large data sets

OEM1, OEM2, JV, OEM3, PDM, Edge Adapters, GeometricEDGE — An HCL Technologies Product

Adapters
- Standards Based Exchange
- Meta Data + File Data
- AP242, PLMXML, XPDMXML
- ISO JT, Native CAD

Collaboration Spaces
- Projects
- Access Controls
- Secure Data Persistence

Process Orchestration
- Process Templates
- Data Transformation
- Administration
- Reporting & Analytics

Hello, I'm from HCL's Engineering and R&D Services. We enable technology led organizations to go to market with innovative products and solutions. We partner with our customers in building world class products and creating associated solution delivery ecosystems to help bring market leadership. We develop engineering products, solutions and platforms across Aerospace and Defense, Automotive, Consumer Electronics, Software, Online, Industrial Manufacturing, Medical Devices, Networking & Telecom, Office Automation, Semiconductor and Servers & Storage for our customers.

Geometric is now a part of HCL Technologies

For more details contact: geometricplm@hcl.com
Visit our website: http://geometricglobal.com/plm-services-and-solutions/plm/geometric-edge/