

## EXCHANGE

ENOVIA Multi-Discipline Exchange for X-PDM



ENOVIA® Multi-Discipline Exchange for X-PDM enables bi-directional data exchange between ENOVIA® VPM Central™ (or ENOVIA® VPM Team Central™) and a non-DS PDM system. Data exchange can occur at any stage of the product development cycle (design, release process, etc.). Either ENOVIA or the other PDM system can be the original master or author of the exchanged data.

### Key Benefits

- Consolidate V6 product definition with design data from other enterprise systems
- Consolidate and organize the digital mockup made with data authored in V6 and in others PDM systems
- Update other enterprise systems with V6 design data

## Product Overview

ENOVIA Multi-Discipline Exchange for X-PDM relies on the V6 Event Bus architecture delivered by ENOVIA® Live Collaboration (CPF) to empower the bi-directional exchange of an un-configured design product structure with its associated 3D and 2D representations, including Product Manufacturing Information (PMI)

## Product Highlights

ENOVIA Live Collaboration provides web services and the V6 XPDMXML schema to enable customers and partners to develop adapters for their own PDM systems. EBOM synchronization between ENOVIA® Engineering Central™ and a non-DS PDM system is already possible with ENOVIA Live Collaboration. ENOVIA Multi-Discipline Exchange for X-PDM extends the supported exchange scenarios with the following:

### Product Structure Synchronization Scenario

- Bi-directionally exchange of un-configured design product structure with associated 2D and 3D design data and necessary Product manufacturing Information (PMI)
- From V6, the exchanges can be initiated either:
  - in interactive mode by the Designers, from the search window, the navigation window or the authoring window
  - in batch mode by an administrator
  - Or automated by triggers.
- Product structure metadata is described using V6 XPDMXML schema
- 2D and 3D representations are exchanged associated to the XPDMXML schema and are bi-directionally converted by V6 or additional converters from DS partners
- Synchronize attributes, lifecycle state and versioning on product reference and 2D/3D representations
- The “PRODUCTMirror” event is used for product structure exchange automation

### R.A.C.E. Setup Compliancy

When deployed with a Rapid Application Configuration Environment (R.A.C.E.) setup, ENOVIA Multi-Discipline Exchange for X-PDM (XVG) can be used in production without any specific customization along with ENOVIA VPM Team Central (VTC) or ENOVIA VPM Central (VPM).

### The Role of ENOVIA V6 and PLM 2.0

ENOVIA Multi-Discipline Exchange for X-PDM supports PLM 2.0, product lifecycle management online for everyone, and the ENOVIA V6 values: global collaborative innovation, single PLM platform for intellectual property (IP) management, online creation and collaboration, ready to use PLM business processes, and lower cost of ownership.



## Delivering Best-in-Class Products



Virtual Product



Information Intelligence



3D Design



Virtual Planet



Realistic Simulation



Dashboard Intelligence



Digital Manufacturing



Social Innovation



Collaborative Innovation



3D Communication

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