

## OPENCLM

Enable product lifecycle traceability and linked data across all domains in heterogeneous IT landscapes with OpenCLM, the all-new, lean, web-based solution exclusively from PROSTEP.

### OUR OPENSOLUTION PRODUCT FAMILY

OpenCLM (configuration lifecycle management) is the new, exclusive platform built to precisely create digital threads and digital twins for all manufacturing industries. The solution gives you the ability to gather accurate information, program status, project data, and artifacts throughout all stages of product development. Users can create baselines across data information in real-time, thus analyzing errors and inefficiencies with data entry and disconnected information.

OpenCLM gives users the ability to gather information consistently and effectively across all domains through a cohesive set of automatically generated reports and dashboards. Users can track dependencies and automatically collaborate with internal and external partners the necessary information enhancing product development. Exclusively designed to link artifacts and provide traceability between systems, the solution gives your product development team increased efficiencies, better transparency, and more flexibility.

Further, OpenCLM's all-encompassing solution solves a variety of use cases designed to provide impact analysis, baselining, collaboration, and change communication.

PROSTEP's decades-long experience and know-how with integration and migration competencies have resulted in the OpenCLM platform. This smart and lean layer over your systems easily links data and plugs into your existing ecosystem so you can enjoy the benefits of data transparency across domains.

#### OpenCLM At-a-Glance

OpenCLM gives you the ability to link data and documents across different systems and domains enabling traceability, providing baselines, and streamlining your product development processes through real-time analysis and baselining.

#### Here's What You Get:

- Real-time, up-to-date data on the status of work and maturity of project deliverables
- Access to all data across all systems to share and collaborate and explore cross-tool dependencies and baselines
- Current project status and processes to assess maturity and organizational compliance
- Data information for product configuration to find the cause of errors and defects
- Increased efficiencies, quality, and compliance through baseline reports, change management, and progress monitoring
- On-demand impact analyses, defect management, and audit support and compliance
- Web-based, highly configurable process templates so you can easily visualize and analyze relationships between systems

Some of PROSTEP's leading partners include:



## Our OpenPDM product family comprises:

### OpenPDM Integrate

OpenPDM Integrate is the integration platform used by companies looking to connect and synchronize data between multiple systems at different locations and departments. The solution gives you the ability to link or transfer all PLM relevant information including CAD data, documents, versions, and more across data sources. OpenPDM works with virtually all leading PLM, ERP, ALM, MES, SDM, CAx, and other legacy systems to ensure data flow for end-to-end business process synchronization.

### OpenPDM Migrate

OpenPDM Migrate is the migration platform required for fast, efficient migration of existing PLM data from an old system to a new system. The platform supports an all at once migration (big bang) or temporary coexistence of new and old systems so you can migrate your data at your own pace. OpenPDM Migrate connectors are flexible enough to migrate virtually any type of data including individual parts, BOMs, documents, and complex product structures. The solution also supports PLM data consolidation if you're looking to move PLM data and other data sources from multiple systems into one.

### OpenPDM Connect

OpenPDM Connect enables you to quickly and easily connect two PLM systems for the automatic synchronization of product data. Like, OpenPDM Integrate, Connect gives you the ability to transfer a variety of information including individual parts, BOMs, documents, complex product structures, version, status, metadata and more. Out of the box functionality gives users the quickest way to connect the following systems:

- CATIA 3DEXperience (CATIA V6) with Windchill, Teamcenter or SAP
- DELMIA 3DEXperience (DELMIA V6) Windchill or Teamcenter
- SAP with Teamcenter, Windchill, or 3DEXperience

\*this list is subject to ongoing expansion. Please contact PROSTEP at [infocenter@prostep.com](mailto:infocenter@prostep.com) to receive the latest list

### OpenPDM Collaborate

Exclusively built for joint ventures or other long-term collaboration scenarios, OpenPDM Collaborate gives you customized solutions for the automated provision and synchronization of PLM and CAD data. OpenPDM Collaborate helps long-term partnerships and joint ventures by synchronizing development data at regular intervals. Depending on your use case, the provision of data in one system can be automated completely or partially. OpenPDM Collaborate is flexible and highly configurable, adapting to each partner's needs of operations and security measures.

### OpenPDM CCenter

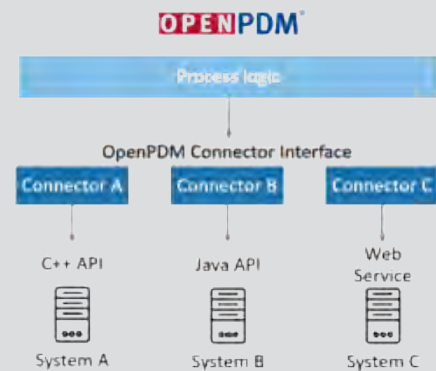
OpenPDM CCenter is a self-contained collaboration platform for the secure provision of shared data in distributed development projects. With numerous partners involved in product development, OpenPDM CCenter makes data available to all those involved in a project in a secure, shared environment outside of their PLM systems. This enables new partners to easily integrate and expired partnerships to quickly dismantle.

## Technical

OpenPDM allows standard access to connected systems giving users the flexibility to integrate any number of systems, new or legacy.

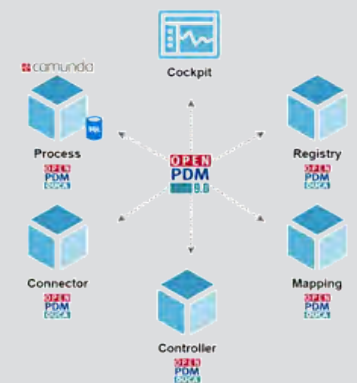
Supported operations include:

- Query objects
- Create/Read/Update/Delete Business objects
- Create/Read/Update/Delete Relationships
- Check-In / Check-Out
- Login / Logout from backend
- Transactions
- Execute Transitions (change lifecycle states)
- Execute Workflows
- Modify Ownership/Security/Projects, etc.
- Download / Upload / Delete Files
- Bulk operational methods



### Architecture:

OpenPDM supports a micro service-oriented architecture where every service can run standalone or in combination with one another. These services can be integrated into any process or engine.



### Export/Import Worker:

OpenPDM logic is part of the connector service and allows a boost in performance by reducing HTTP calls and direct access to backend-specific API.

### Mapping:

OpenPDM can work standalone or integrated into any other service, supporting XML, Java, and Groovy mapping variants. New variants can easily be integrated. OpenPDM has a distributed architecture based on microservices utilizing the OpenPDM Unified Component Architecture. Versioned PLM data (metadata, structures, and files) are handled by RESTful interfaces. Our business process engine uses the popular BPMN solution Camunda and is specialized to handle semantical data.

## Contact PROSTEP

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