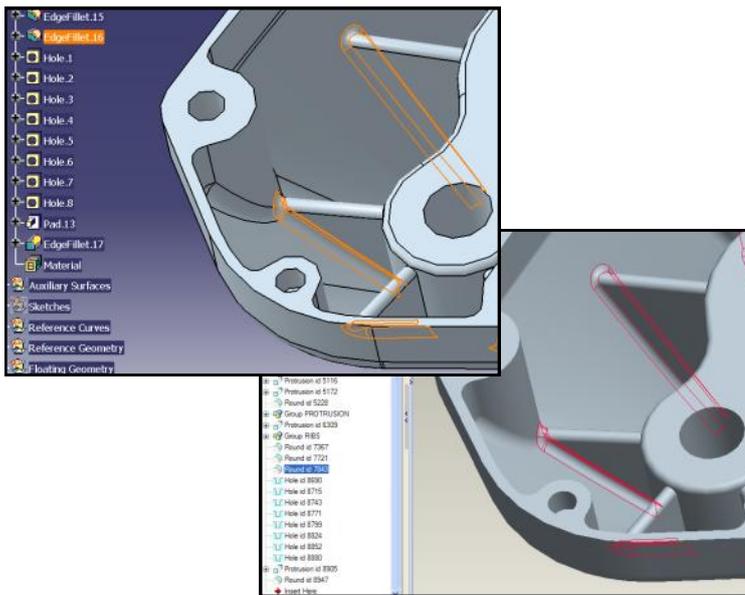


# Proficiency

FEATURE BASED CAD TRANSLATION

## Maintain Design Intelligence

Proficiency Collaboration Gateway offers a reliable and accurate exchange of engineering data between product development teams, regardless of the CAD system being used. From migrations of Gigabytes to Terabytes, Proficiency achieves up to 95% fully automated exchange of CAD model design intelligence. The Proficiency Completion Wizard then provides an interactive process and methodology to complete the model.



### Features

- ◆ Feature-Based Exchange including geometry, features, sketches, manufacturing info, metadata, assembly information and drawings
- ◆ Design in preferred CAD system and deliver in required format
- ◆ Complete, fully-featured, usable models, with up to 95% automated conversions
- ◆ Interactive completion tools with Q/A validation
- ◆ Adopt and comply with corporate design methodologies and best practices
- ◆ Integration with all major PLM solutions, complete with automated batch exchange, business logic driven rules, and audit and verification reports

### Interface Support

NATIVE	NEUTRAL	PLATFORMS
<ul style="list-style-type: none"> <li>• CATIA V5</li> <li>• CATIA V4</li> <li>• NX</li> <li>• NX I-deas</li> <li>• PTC Creo</li> <li>• Inventor</li> <li>• Solid Edge</li> <li>• SolidWorks</li> </ul>	<ul style="list-style-type: none"> <li>• IGES</li> <li>• STEP</li> </ul>	<ul style="list-style-type: none"> <li>• Windows</li> <li>• Sun Solaris</li> <li>• IBM AIX</li> </ul>

***“This feature-based exchange technology works. It will pay for itself quickly and it will help us maintain our competitive position in the global automotive industry.”***

*Ferruccio Bondesan  
Magneti Marelli Powertrain S.P.A.*

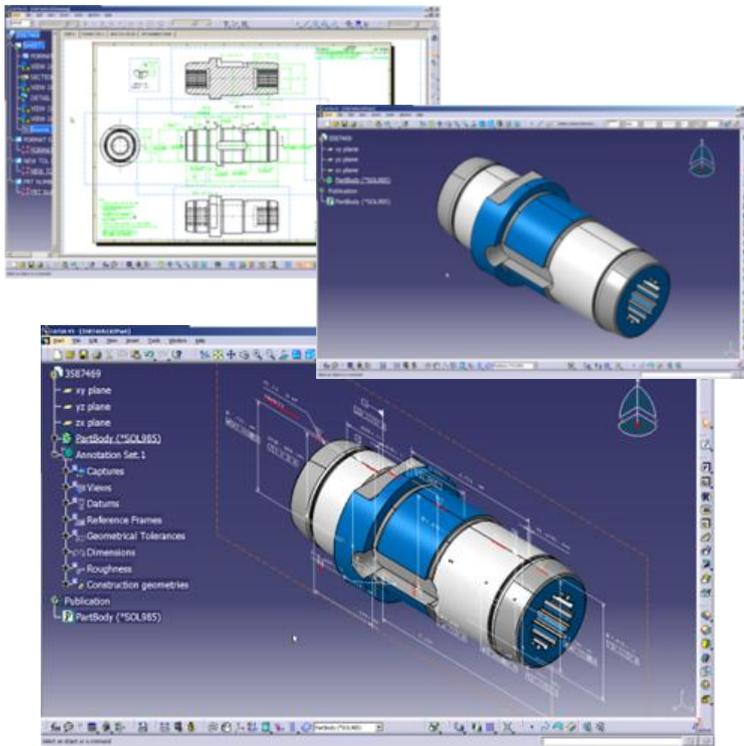
## DrawtoPMI®

ENABLING 3D MODEL BASED ENGINEERING

### Migrate from 2D Drawings to 3D Models for MBE

The Proficiency Collaboration Gateway CATIA V5 Drawing to PMI Application is an automatic tool for converting a 3D CATPart and its' associative 2D CATDrawing to a single 3D CATPart file containing Product Manufacturing Information (PMI) including views, cross sections, functional tolerances and annotations ready for use in 3D Master applications.

The CATIA V5 Drawing to PMI application is an essential tool for any company implementing 3D Model Based Engineering (MBE), enabling the fast and efficient migration of legacy data and eliminating expensive, error prone manual migration processes.



#### Features

- ◆ Support for FT&A features including Datums, Dimensions, Feature Control Frames and Annotations
- ◆ Supports semantic and non-semantic FT&A features
- ◆ Preserves the original associativity with the 3D model geometry
- ◆ 2D drawing view names and orientations converted to 3D PMI "Capture" features
- ◆ Support for associative views including Projection, Section, Detail and Isometric
- ◆ Convert more of your legacy models to 3D with PMI and maintain fewer 2D drawings
- ◆ Save time and money during the implementation of MBE and deliver a rapid Return on Investment

#### Interface Support

NATIVE	PLATFORMS
• CATIA V5	• Windows