

## FORMAT

ENOVIA Format Converter For ACIS



ENOVIA® Format Converter for ACIS enables V6 users to reuse or migrate ACIS application data in ENOVIA® VPM Central™.

- Users can import ACIS exact geometry as a tessellated V6 representation and leverage it in downstream V6 processes, such as design review, digital mockup review, design in context, manufacturing.
- Users can also migrate ACIS exact geometry into a V6 exact geometry representation thus allowing users to fully pursue a design with V6 authoring applications.

### Key Benefits

- Enables V6 users to collaborate on ACIS modeler format. They can import the ACIS file contents in V6.
- Enables customers to migrate from ACIS modeler based applications to V6.

# Product Overview

The file system includes the engineering semantics for part and product definition as described in the ACIS files format.

The V6 VPM command “PLM access import from file” enables users to select an ACIS root assembly file to be imported into ENOVIA and transformed into a V6 representation. ENOVIA will query the converter in order, from the root file to compute the links and import to all related files to ENOVIA.

Receiving these ACIS files, ENOVIA will synchronously or asynchronously launch the format converter for ACIS in order to compute a V6 representation of these ACIS files.

The conversion from ACIS to V6 representation will be “as new.” The V6 representation will be stored in ENOVIA as the new master data of the part and product. No link will be kept with the original ACIS file or are there any no life cycle capabilities.

The ENOVIA Format Converter for ACIS will:

- Explore the document links from a root ACIS file
- Convert the ACIS product structure information (instance, references, position) into V6
- Convert the ACIS exact geometry representations into V6 exact geometry representation
- Under option, convert the ACIS exact geometry representations into a V6 tessellated geometry representation

Input: ACIS files (File extension . asat, asab, .sat)

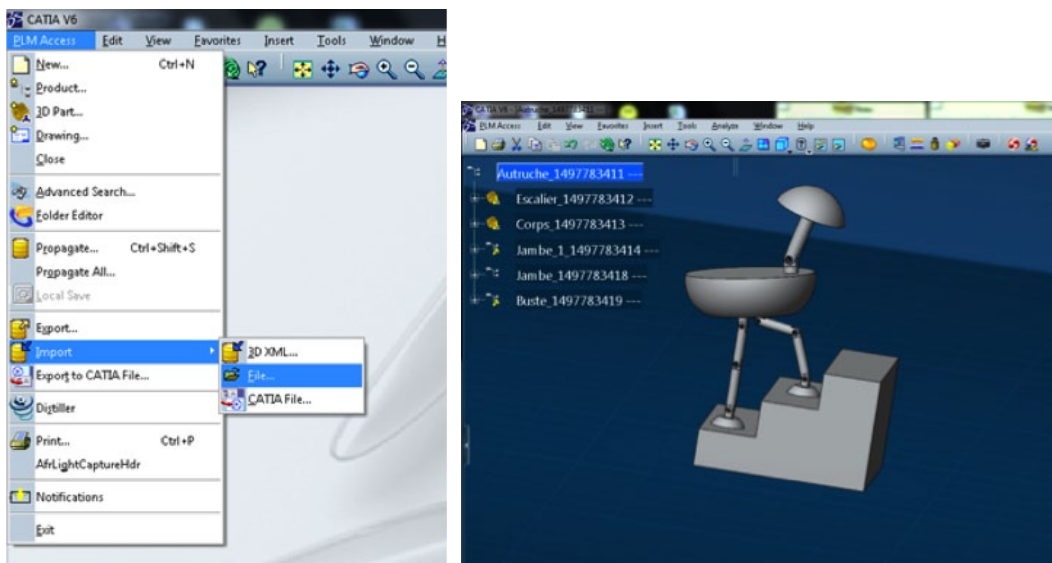
- Per Part: One ACIS file describing an assembly with external reference to ACIS part files
- Fully shattered ACIS files: one ACIS file per assembly component and one ACIS file per part

The contents are imported as new references in ENOVIA V6.

## The Role of ENOVIA V6 and PLM 2.0

ENOVIA Format Converter for ACIS supports PLM 2.0, product lifecycle management online for everyone, and the ENOVIA V6 values, which are:

- Global collaborative innovation
- Single PLM platform for intellectual property (IP) management
- Online creation and collaboration
- Ready to use PLM business processes
- Lower cost of ownership



PLM Access Import from File command allows Specialized Dataexchange teams or individual users to import ACIS contents to V6



## 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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