

MECODES

Nikola Mareković, 28.06.2018.

CADCAM Group is the leading PLM Solutions and Software development company in South-East Europe dedicated to innovation and customer support



www.cadcam-group.eu

founded in 1991

Dassault Systemes partner for 3D EXPERIENCE Solutions since 1995

- 3DEXPERIENCE
- CATIA, DELMIA, SIMULIA
- ENOVIA, 3DVia
- CAA partnership
- Education partner

MENTOR Graphics partner since 2010

Services

- ECAD & MCAD integration - MECODES
- Business Integration Services
- Education Services

Some reference customers

CAD/CAM
GROUP



RIMAC
AUTOMOBILI



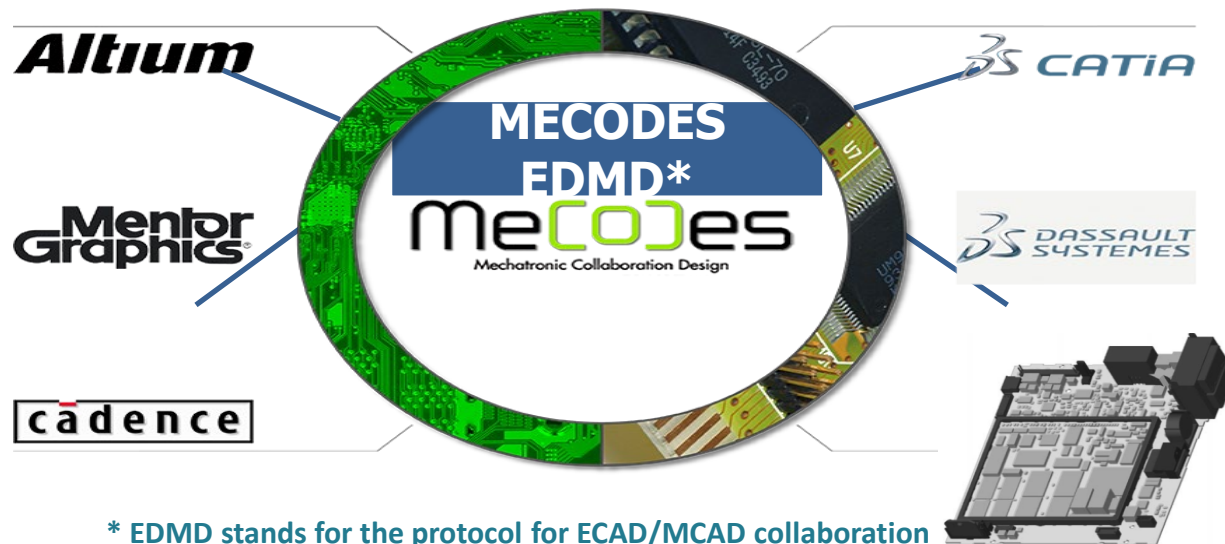
BUCK



MECODES EDMD for multi domain development

Mechatronic Collaboration Design Solution = MECODES

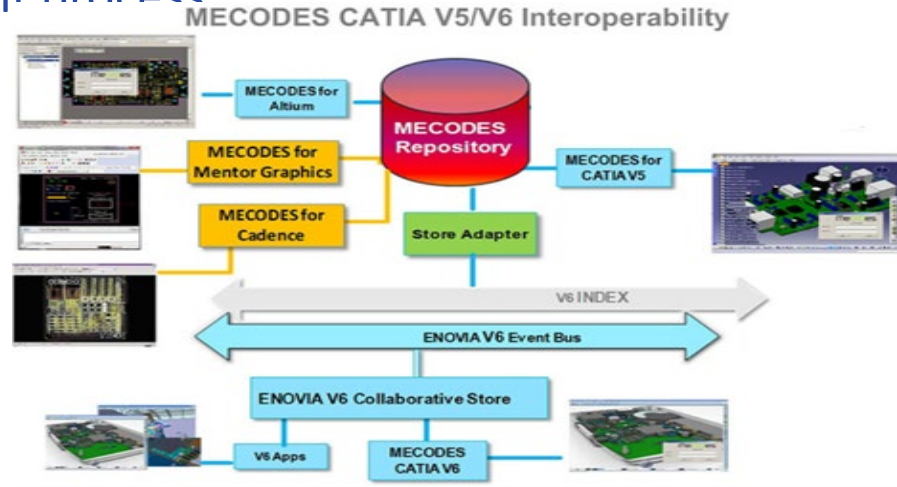
MECODES is a CAD/CAM Group CAA software solution to merge the different worlds of ECAD with CATIA for a process driven collaboration in product development



* EDMD stands for the protocol for ECAD/MCAD collaboration initiated by Mentor Graphics, supported by consortium of vendors worldwide and led by the ProSTEP iVIP in Darmstadt

ECAD – MCAD Collaboration

- MECODES, developed by CadCam Group is a unique software solution for collaboration throughout the entire electro-mechanical product development process



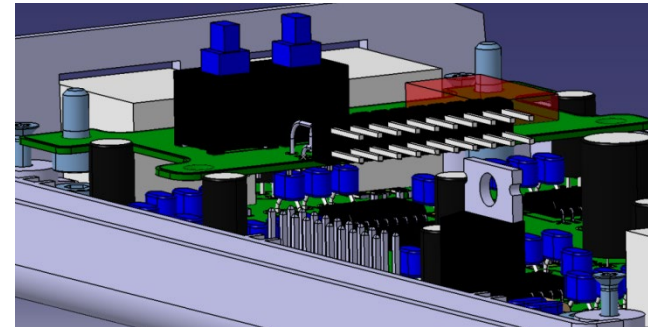
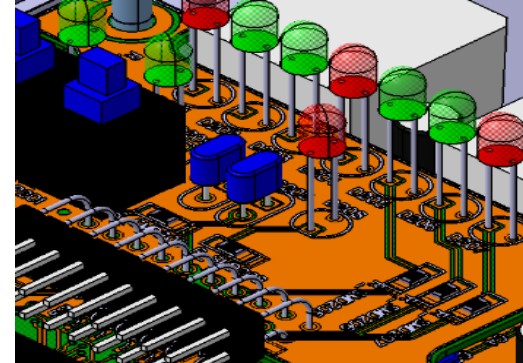
ECAD – MCAD Collaboration

ECAD/MCAD Collaboration The MECODES solution suite consists of: <ol style="list-style-type: none">1. MECODES EDMD for CATIA V5 and Mentor Graphics Expedition Enterprise and PADS collaboration2. MECODES for CATIA V5 and Altium V9 integration3. MECODES CADENCE Multi-Layer import in CATIA V5	Collaboration suite MECODES Collaboration Suits consist of two integrated subsystems: the Information Repository and the EDMD/IDF client for CATIA V5	PDM <ul style="list-style-type: none">- Project repositories with document management capabilities- Management of multiple revisions of the same unit of information (project documents, exchange documents)	Design <ul style="list-style-type: none">- MECODES replaces conventional design methodologies by multi-domain collaboration for Mechatronic.- Addresses major challenges in cros domain designs
	Communication environment <ul style="list-style-type: none">- Environment enhanced with messaging capabilities- Chat & voice enabled workspace- User presence detection system Messaging client with file transfer capabilities	Common library <ul style="list-style-type: none">- Common library with custom specific components- Integrated library management tool with 2D/3D component view- MECODES include more than 2000 3D electronic library components	Mechatronic BOM Complete BOM with mechanical and electrical components and parts ready for further processing Floating license Optimal license usage License locked in MECODES environment User administration tool

Example of Product usage:

Use MECODES for:

- Improved design quality, faster development processes and reduced rework by collaboration.
- Optimized and shortened development cycles by integration.
- Increased product and process innovation through communication.
- Advanced product analysis of cross-discipline results by 3D product representations.
- Decreased time-to-market by resolving hurdles through communication within the entire product development process.
- Accelerated return-on-investment by the faster introduction of new products to the marketplace.



Example of Product usage

Most Visited VSR2016x PM

3DEXPERIENCE | ENOVIA Engineering BOM Management

Assembly RS2 - Bill Of Materials - Change Mgt P... Access Equivalents Specs & Docu... Related Parts Collaboration Derived Output Referenced By Classifi...

Part Assembly RS232 A : Bill Of Materials

EBOB Where Used Markings

Actions Reports Edit All Download Packag... Hide Markup Undo Search within C... View

Name	Related Physical Title	Type	SAP Code	Rev	Policy	F/N	Ref Des	Description
LM531ZTR_B0R_LM531		Part		A	Development Part			
switch_assembly_1_1		Part		A	Development Part			
FUSE_SOCKET_J_FUSE		Part		A	Development Part			
DCIN_DCIN		Part		A	Development Part			
CAP100RP_CAP100RP		Part		A	Development Part			
C0603_C0603		Part		A	Development Part			
switch_rs232_1aues		Part		A	Development Part			
OSCILLATOR_ODIL14		Part		A	Development Part			
EMD232DS_SO-G16J		Part		A	Development Part			
Case.Down		Part		A	Development Part			
Case.Up		Part		A	Development Part			
HDC.cable		Part		A	Development Part			

33 objects, 1 selected

Assembly RS232 A : Bill Of Materials

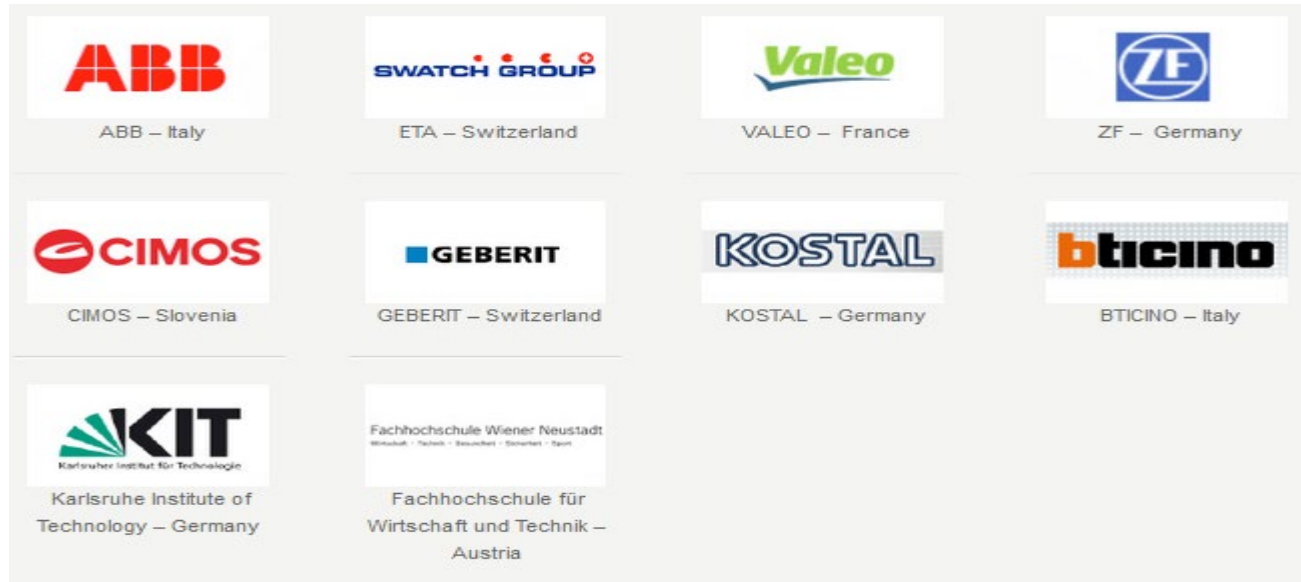
3DLive Examine

Part Assembly RS232 A

Part FUSE_SOCKET_J_FUSE_SOCKET_J A Design (Part FUSE_SOCKET_J_FUSE_SOCKET_J A)/Part FUSE_SOCKET_J_FUSE_SOCKET_J A/Part switch_assembly A preselected

Figure: Mecodes on the 3DEXPERIENCE platform

References:





Thank you!

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