

Introducing

ENOVIA SmarTeam, Navision and PARTsolutions in the CAD Construction at MLOG Logistics

Cadenas Industry Forum

24.02.2010

Log

Agenda

- 1. Introducing MLOG Logistics GmbH
- 2. Demands
- 3. Project Progress
- 4. Experiences



Our Company History

MLOG Logistics GmbH in Heilbronn - Quality from Tradition:	
1922	Founding of the Erwin Mehne GmbH, Heilbronn (Steel Construction)
1968	Construction of first automated high rack warehouse
1974	Foundation of MAN Storage and Systems Engineering in Munich (Software development and project management)
1990	Takeover of Mehne GmbH by MAN AG and consolidation of Mehne GmbH and MAN Storage and Systems Engineering into MAN Logistics GmbH
2005	Independent enterprise MLOG Logistics GmbH (Management buy-out)



Our Company Profile

Legal form: GmbH

Registration court:

Municipal Court Heilbronn HRB 594

Address: MLOG Logistics GmbH

Wilhelm-Maybach-Straße 2

74196 Neuenstadt

Employees: ca. 250

Turnover: ca. 70 million €



Stefan Seidl CEO



Our Old Headquarters Based in Heilbronn

28.09.2009

The last shelf access equipments that were produced in Heilbronn are being delivered!





These are the highest shelf access equipments that have ever been constructed in one piece.

Total height: 43,5 m!



Our New Headquarters Based in Neuenstadt



We moved!!!



Laying the foundation stone on 25.09.08





Our Business Areas

Automatic stock flow and material flow systems

Own construction of shelf access equipment and conveyor technique



New applications



Modernization





Service





Excerpt of 800 References

Consumer Goods / Commerce / Foodstuffs:









































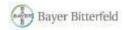








Pharmaceuticals / Chemical Industry / Medicine:































Capital Goods / Plant Construction











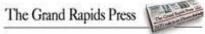
















KRRIST VERKEHR N. G.



Logistics Service Providers / Automotive Industry:



















Product Pallet





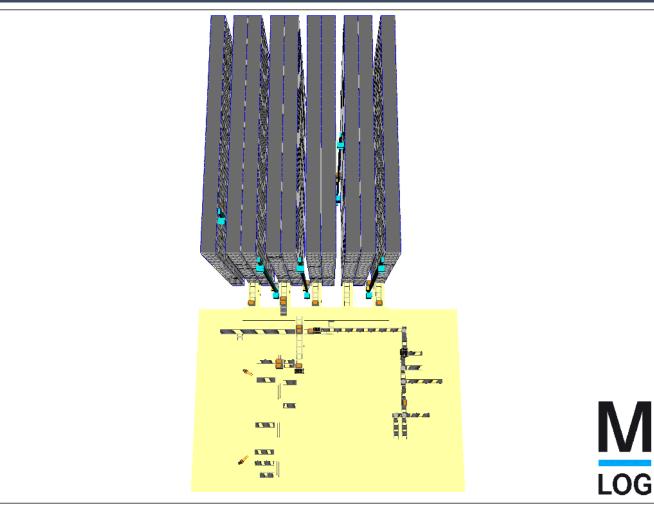








General Contractor for...



...the realization of automatic stock flow and material flow systems





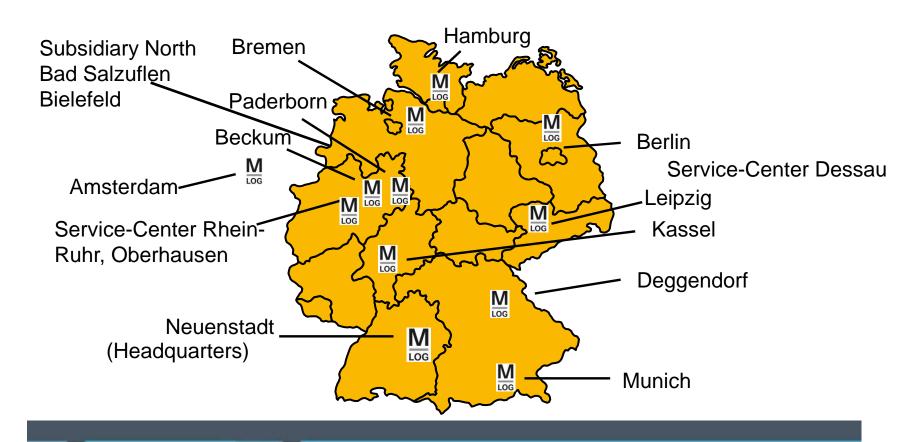
MLOG Storage Systems





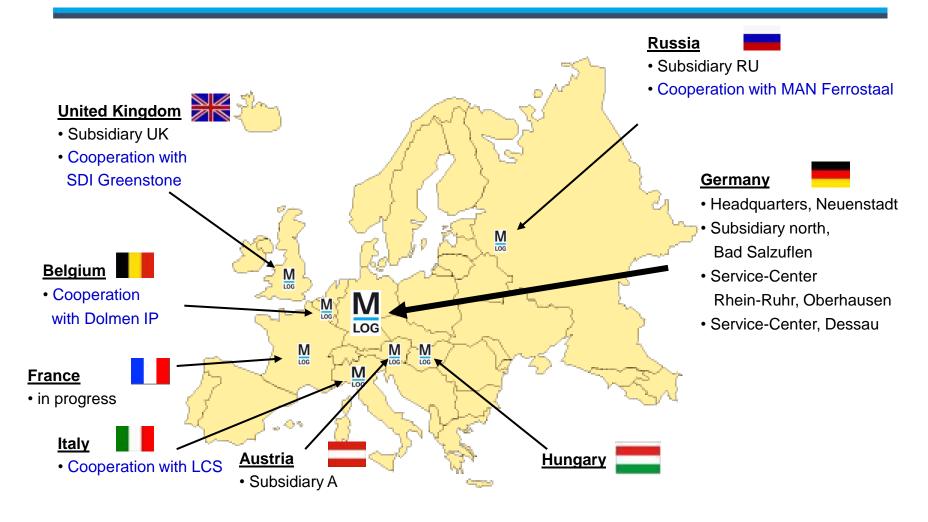
Service Points in Germany

With staff qualified in safety provisions and DIN EN 528 / 619, always trained in safety and technology





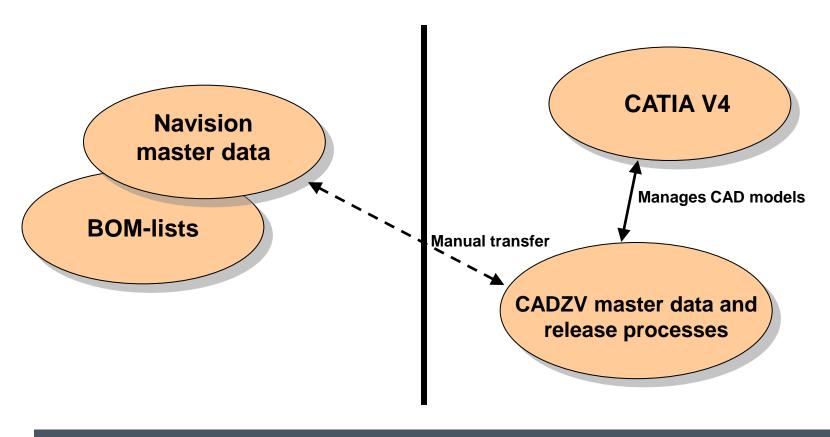
Internationalization – Status in September 2009





MLOG Master Data and CAD Management

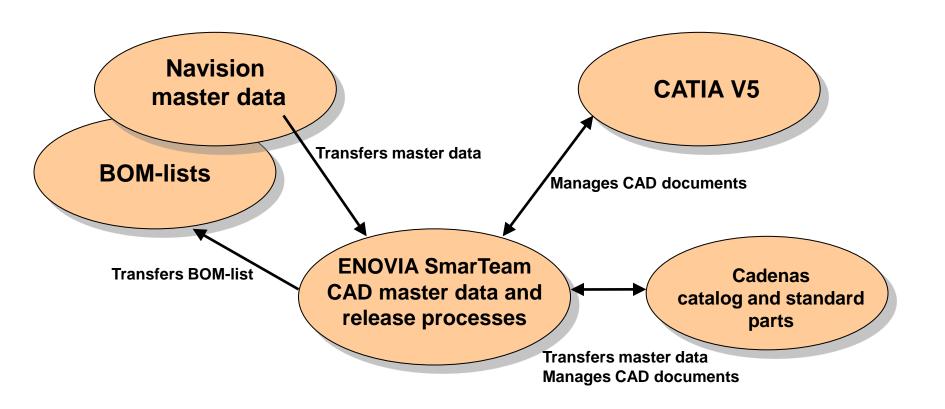
Status before introduction of ENOVIA SmarTeam





MLOG Master Data and CAD Management

Status with introduction of ENOVIA SmarTeam





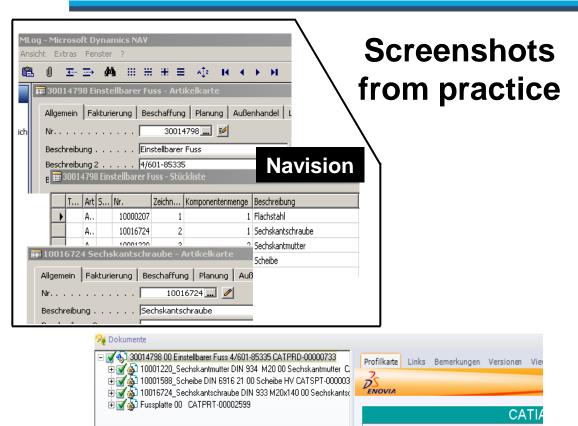
MLOG Master Data and CAD Management

interne ID Version

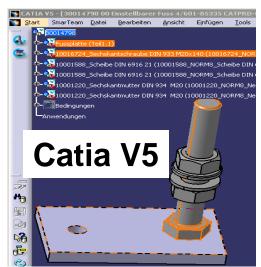
Teilenummer

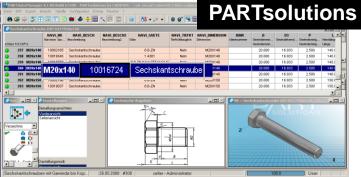
CATPRD-00000733

30014798



ENOVIA SmarTeam





LOG

General Demands:

- Hardware conversion from Unix to Windows
- Convert from Catia V4 to Catia V5 during running operation
- Replacement for Catia V4 module AEC
- Replacement for management tool CADZV through ENOVIA SmarTeam
- Matching master data from Navision
- Integrating catalog and standard parts
- Adding the standard and catalog parts to master data from Navision
- Easy to handle software, little training time needed



57.5

.) DIN 933 - 8 8 - vecz.

Demands ENOVIA SmarTeam:

- Review management, conflict control, proper CAD integration
- Stock data (CADZV) transfer and management
- Partial takeover of master data from Navision
- Generating BOM-lists
- Transfer BOM-list to Navision
- Position number assignment with part naming on drawings
- Workflow for release processes

 | Victor | Vic

Project Partners



- CENIT AG

- Support
- Project management
- Walkthrough
 - Infrastructure
 - CATIA and ENOVIA SmarTeam software with IBM
 - CADENAS software including linking to NAVISION
 - Installation including backup concept, system tests, and administration training
 - Administration tool FLEXplus
 - Training
 - Methodology
 - Customizing ENOVIA SmarTeam
 - Integrating ENOVIA SmarTeam/CADENAS/NAVISON with support from CADENAS
 - Takeover of stock data



Connecting PARTsolutions to ENOVIA SmarTeam and Navision (technical vantage point)



- Client Installation
- Infrastructure (hardware requirements)
- Workflow / process for new application of part number
- Synchronization with Navision

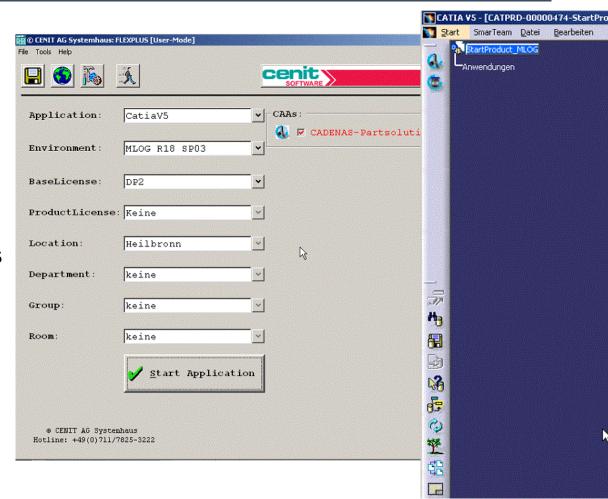


Client Installation

 Start occurs via cenit FLEXPLUS

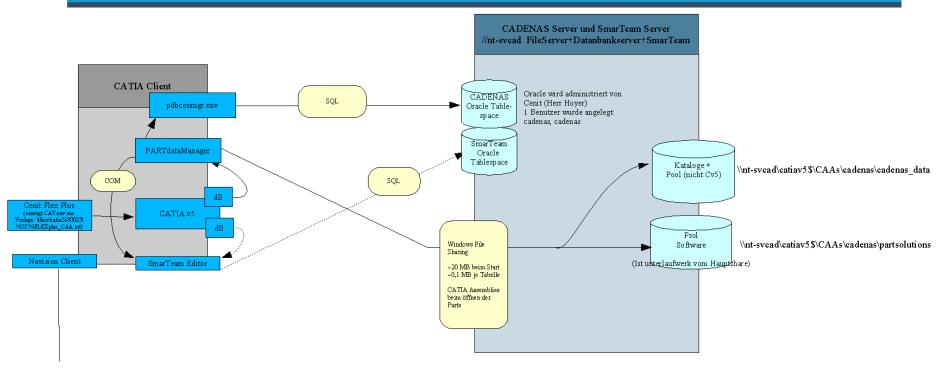
-32 / 64 bit environment is selected during Start.

- The respective PARTsolutions plug-in is then loaded in addition. (CATIA environment)
 - PARTsolutions runs on the client, does not need to be installed however (!)



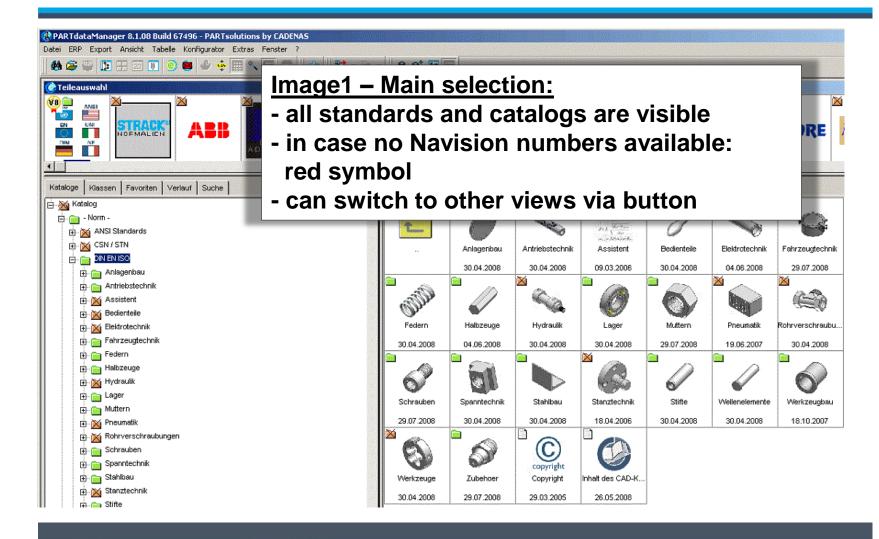
Log

Infrastructure

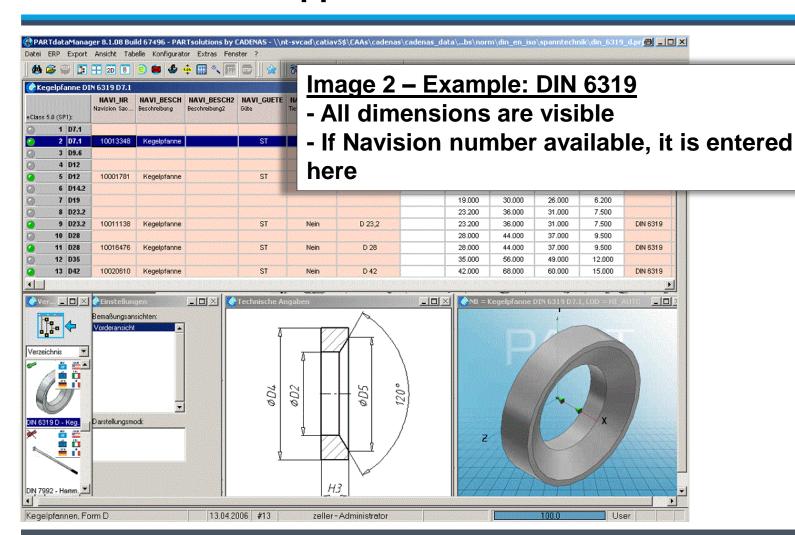


- LinkDB located on Cenit database server (new instance)
- PARTsolutions programs and catalogs located on ENOVIA SmarTeam servers' file share
- → No new hardware → minimal running costs

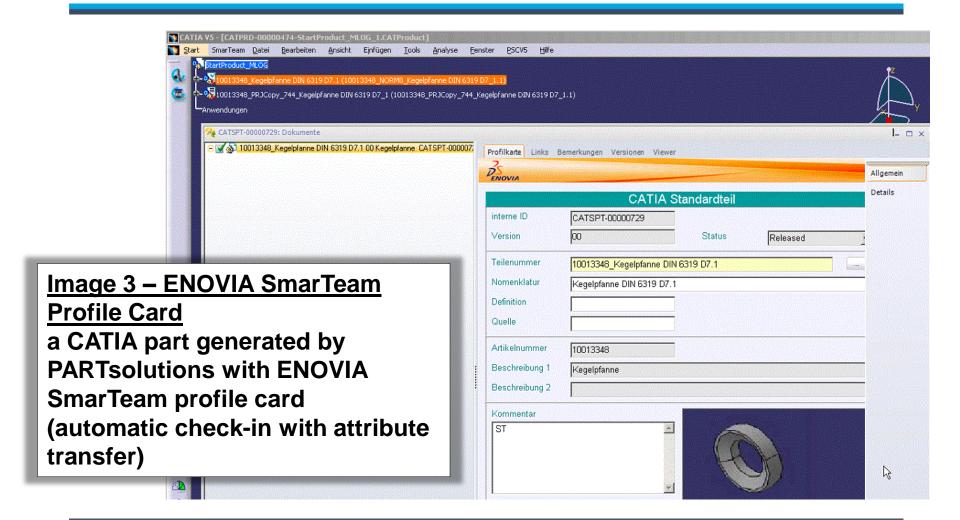










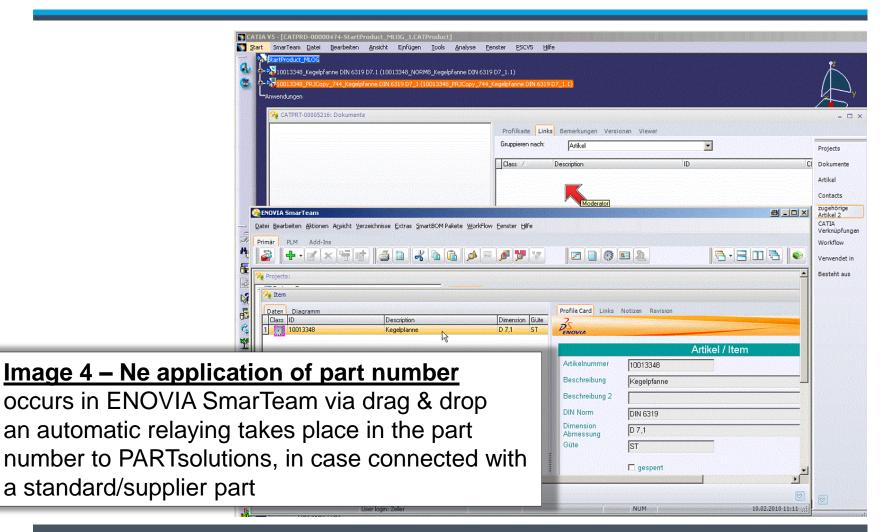




ENOVIA SmarTeam Configuration

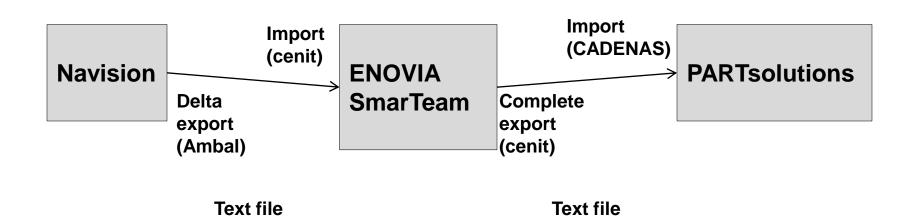
- Profile card read-only (User cannot accidentally change standard part)
- All values were entered correctly by PARTsolutions during first use including Navision number (BOM correct)
- Upon later use, this file is automatically loaded
- Special treatment concerning semi-finished parts: only check-in / no release; other ENOVIA SmarTeam classes each export leads to a new file







Synchronization with Navision





Project Progress: Planning

Start May 2008

Catia:

Basic training key user: 10 days basic block I + II

Specification workshops:

General and individual

methodology MLOG 10 days

Basic training User 10 days basic block I + II

ENOVIA SmarTeam:

Introduction 2 days

PARTsolutions:

Introduction of PARTsolutions ½ day



Project Progress: Implementation

Planned training workshop times were adhered to

Hold-ups in planned time line:

High workload at MLOG
(Key users involved in current orders)

Vacation interferences MLOG / Cenit

Conversion of CADZV to ENOVIA SmarTeam:

End of April 2009

Complete conversion to Catia V5:

Beginning of September 2009 with the move of MLOG from headquarters in Heilbronn to Neuenstadt



Experiences:

PARTsolutions:

The problem of semi-finished products is solved with the special graphic export function

High acceptance rate among users

Operation unproblematic due to intuitive user interface

Budget planning: CADENAS 100% accurate



Experiences:

ENOVIA SmarTeam:

Demands require solid specifications

Complex demands of the user:

Linking with articles, BOM-list generation, release processes, this requires longer assistance through key users after introductory training

User friendliness:

many windows, at first confusing, adjustment period (?still better than many other PDMs?)

without PDM System (such as, for example, SmarTeam), the CAD is not manageable at MLOG

Budget planning: Cenit 95% accurate, something was left over(!)



Thank You For Your Attention!

Questions???