



ENOVIA V6 Upgrade

Case Studies

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V6 Upgrade Objective



Upgrade the
PLM
application on
a supported
version level
of DASSAULT
ENOVIA
V6R20xx

Take
advantage of
new features
in V6

Comply with
new versions
of integrated
systems

Optimization
of the access
control

Restructure
the existing
customization
for better
manageability
and smooth
future
upgrades

Take benefit of
full text search
with Exalead



1. Heavy customization of OOTB functionalities in source system

2. Change in OOTB Data Model during merging/split of OOTB Centrals

3. unstructured upgrade methodology

4. Conflict in new OOTB functionalities and existing/expected business processes

5. Manual and lengthy deployment processes which creates overhead in development cycle



Reference Case Study – 1

Ematrix 10.5 to V6 Upgrade



ENOVIA
Version 10.5 +
DSC 10.6

V6
Upgrade

ENOVIA
V6R2012

Customer: Textile Machine Manufacturer

Country: Switzerland

Applications: Engineering Central, Designer Central, Team Central CATIA V5 Integration

Duration: 5 Months


Total Effort: 130 Man-days

Key Challenges: 5 FCS Sites, CATIA V5 Integration

- CATIA V5 Integration upgraded and new configurations from DSC V6 are adapted
- New Search pages introduces
- Restructured old code with ENOVIA best practices
- Routing Automation is upgraded with V6 data structure
- Project executed with Onsite-Offshore Model with collaboration and deployment tools like Mantis, SVN, Ant, MxUpdate

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- Configuration Parameters of **Designer Central** is changed drastically between ENOVIA 10.5.x to V6R2012

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- **Licensing model** was not in 10.5 but was there in V62012.

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- Lots of customization around ECO and Part Process and adoption of that customization in latest OOTB Release was a challenge

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- New UI adoption on lots of customized code.

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- **No Documentation was available** on Customization done over 10.5 so it was a challenge to covert customization with latest release functionality.



Reference Case Study – 2

Ematrix 10.8 to V6 Upgrade



ENOVIA
Version
10.8

V6
Upgrade

ENOVIA
V6R2012

Customer: Aerospace OEM

Country: Australia


Applications: Engineering Central, A& D Accelerator, Variant Configuration Central, Designer Central, MSOffice Integration, Program Central

Duration: 7 Months


Total Effort: 280 Man-days

Key Challenges: Exalead Implementation, License Mapping for 300 Users, Variant Configuration Central is largely restructured in Product


- New Exalead based full text searched were implemented.
- Complete architecture and tuning of Hardware setup for better performance.
- Performance tuning of database and application server JVM
- RPT – Reporting Module was introduced and implemented in V6
- Customized training material was developed with upgraded V6 environment and business processes.
- Training delivered to 300 end users at 3 locations in 20 batches
- 2 mock-up round of Go-Live done with validation of data by business users
- Effort burn down report based project progress reporting during entire project




- Product central in 10.8 version was split into Product Line, Requirement Central and Variant Configuration Central. Because of this split, there was lot of Schema restructuring.



- Heavy custom JSPs for Engineering WF management, Configuration management and data management



- Database character set was migrated to comply with Exalead compliance. It involved identification of affected data and truncating as required.



- Identification of number of license needs to work with new V6 module based License model.



- Ensuring Existing business processes are still remain same for end users.





Thank You...!

- **Himanshu Zalavadiya**

