ENOVIA PLM Solutions

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What we are going to talk about?

ENOVIA SmarTeam Concept to Manufacturing

ENOVIA SmarTeam and 3DLive



ENOVIA SmarTeam
Concept to Manufacturing



Because...

Concept to Manufacturing was never easier to reach

Concept

Planning

Development

Test & Approve Production Planning



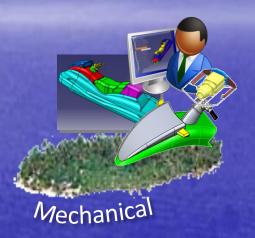


Islands of Information



Islands of Information









Quality

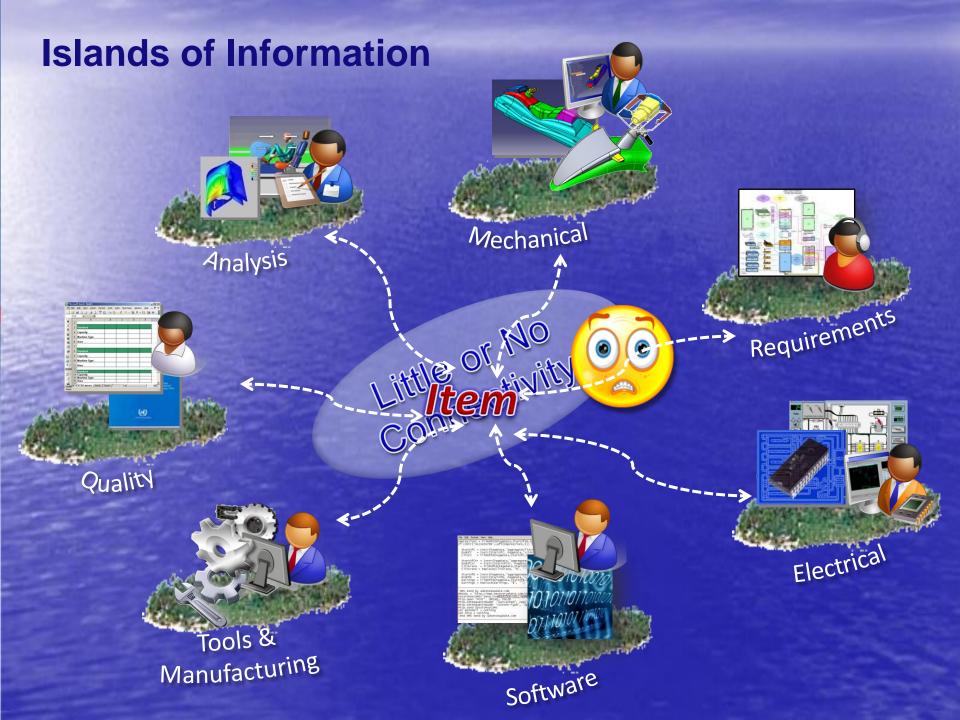








Software

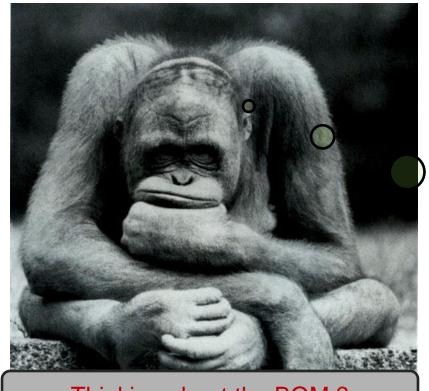


The materials needed to manufacture a product

MBOM

Some kind of a Tree?

Part List



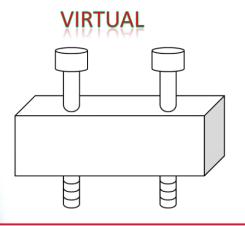
Thinking about the BOM?



79 %

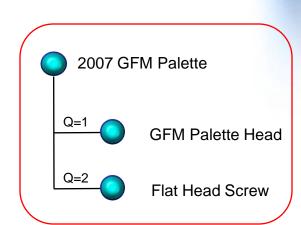
20 %

3 The components needed to define a product

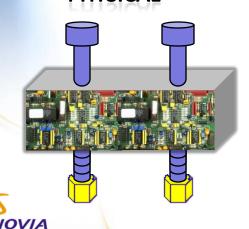


This is what my company designs:

A palette with two screws

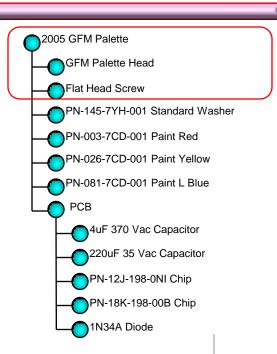


PHYSICAL

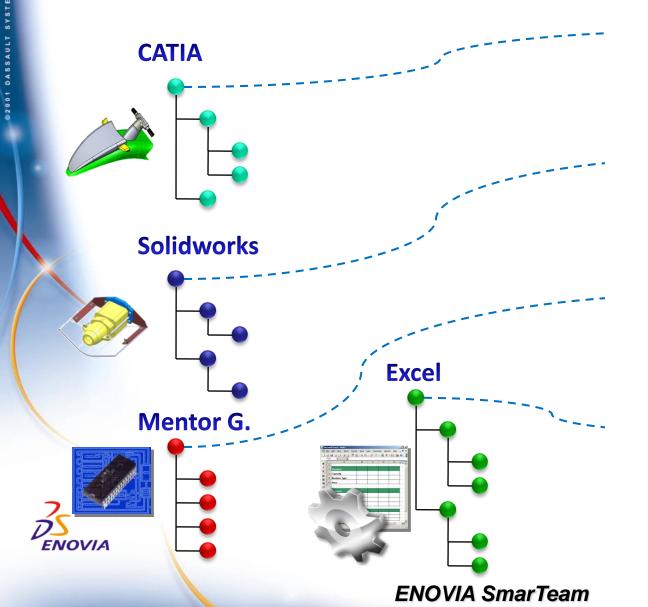


This is what my company sells to the market:

A movement detector to identify earthquakes



Design structure and E-BOM



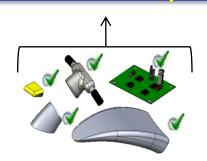
Top Down Engineering

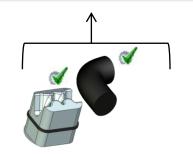
Top-down planning down to the module level Steering Engine Jet-pump

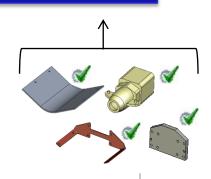
Bottom up development



Body







Requirements Project Kickoff Specifications Project Planning

Engineering Implementation

Approve Product Development

Release Product Development

Concept

Planning

Development

Test & Approval

Production Planning





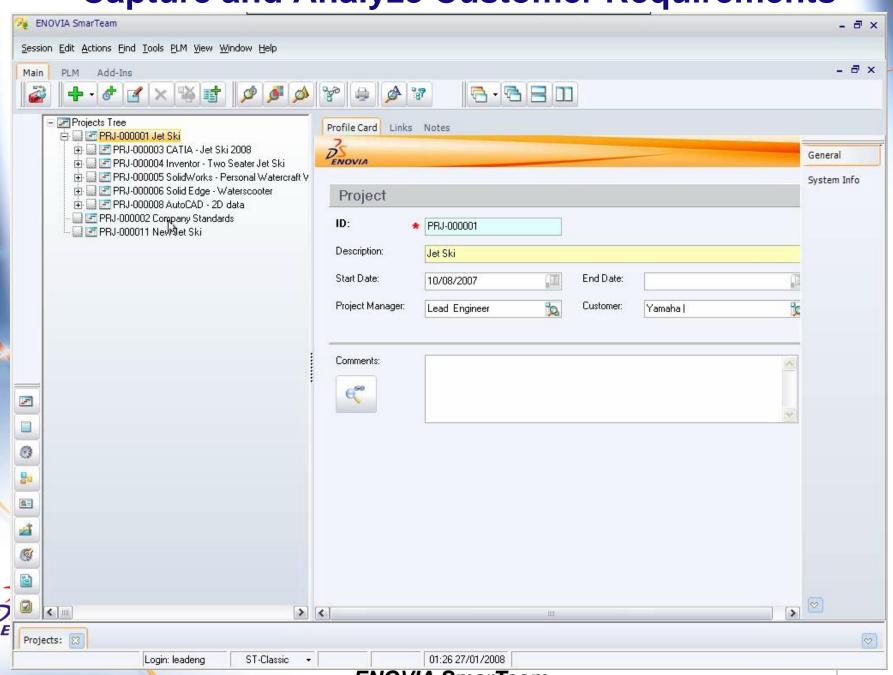




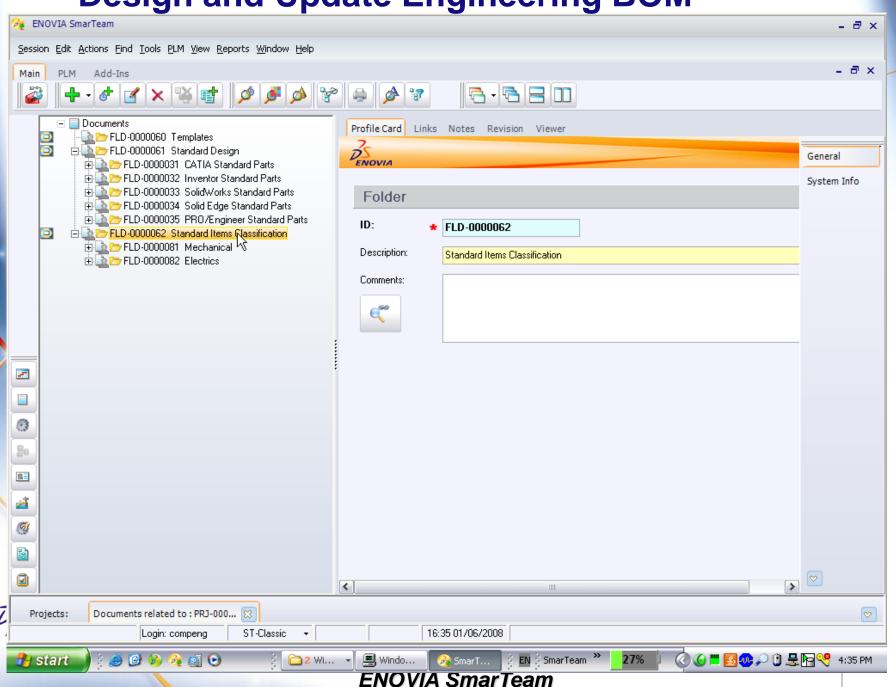




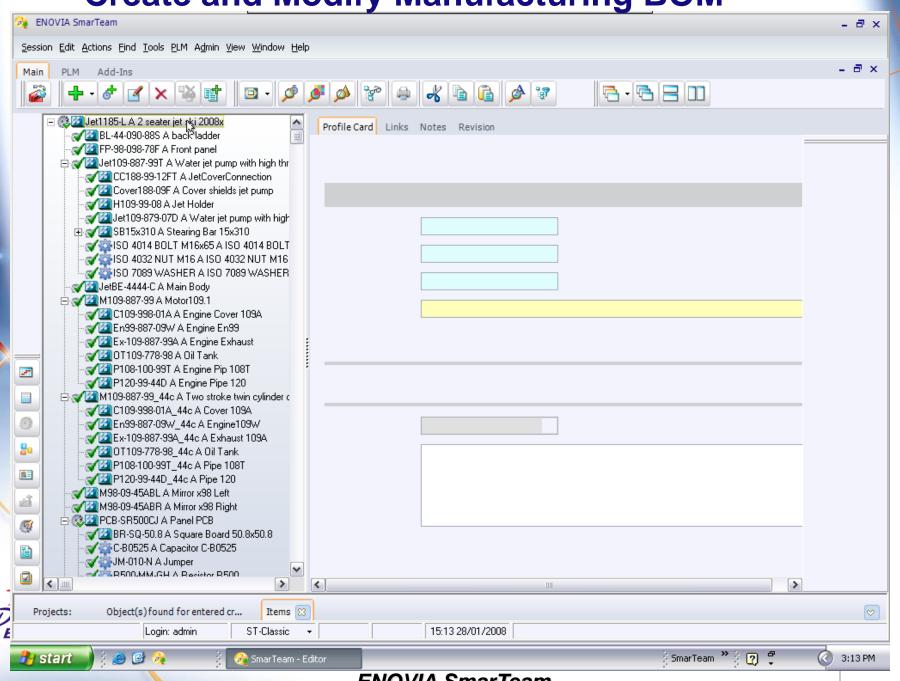
Capture and Analyze Customer Requirements



Design and Update Engineering BOM



Create and Modify Manufacturing BOM



Challenge #1 – Manage and Control

 How to manage, monitor and control the large volume of isolated information in complex business situations



The management is measured by taking the right decisions in highly complex Business environment !!!

Challenge #2 – Complex Business Processes

- Cross- discipline, cross-organization and involving affiliates
- Based on information created by the various systems





The business environment is dynamic and the pressure (internal and external) is high (competition, cost reduction, etc)



PLM is where it all starts, but...

The management needs:

- A high-level management view
- A central access point
- An easy, intuitive user interface
- Decision Making Support
 - Quick Search & Retrieve
 - Visual representation of Information
 - Information sorting & filtering
 - A "unified" format



..... See what you mean !!!

3DLive Brings a New Level of Visual Collaboration

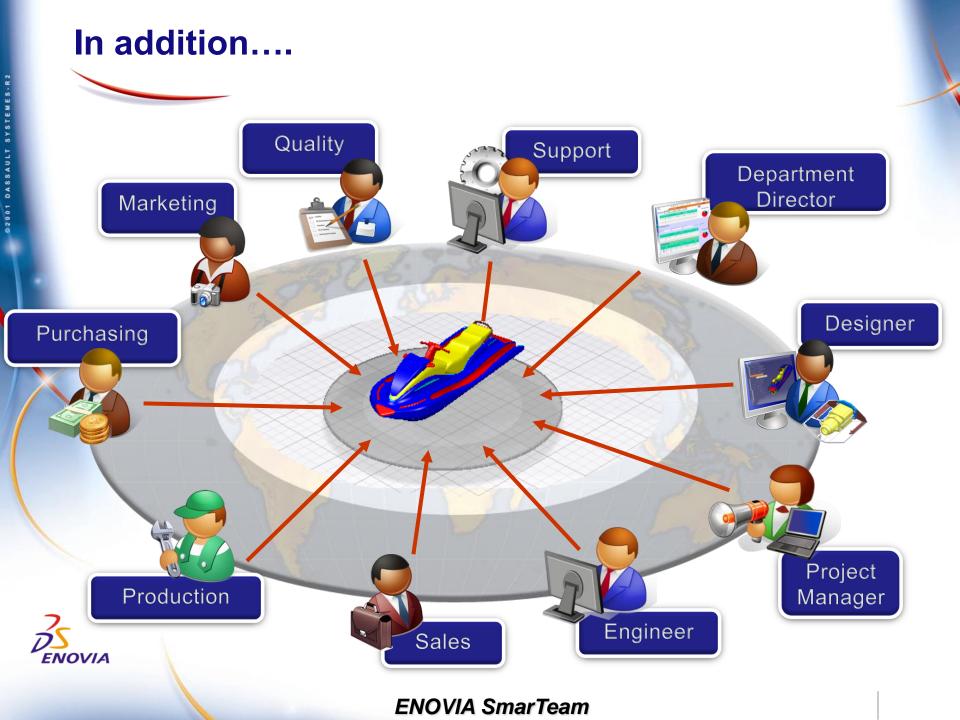
- Easy to use and intuitive
- 3D visualization
 - Search and navigate on 3D representations
- Live Collaboration
 - ♣ Chat, co-review
- Live Product Information
 - In-context information
 - Decision support
 - Unified format





3DLive Benefits





Examples



- Access latest data when "on the road"
- "Live demo" of the product
- Navigate on actual product models
- Visually explain the marketing needs



 Collaborate with supplier on the actual assembly where sourcing is needed



- Collaborate with customer on Product Model to better understand customers issues
- Easier to explain internally to revenant roles

3DLive in Action



Meady to search (5)

3DLive Collaborate

