

Siemens PLM Connection

Teamcenter Content Management

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Teamcenter Product Management

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Center of Excellence

Siemens PLM Connection



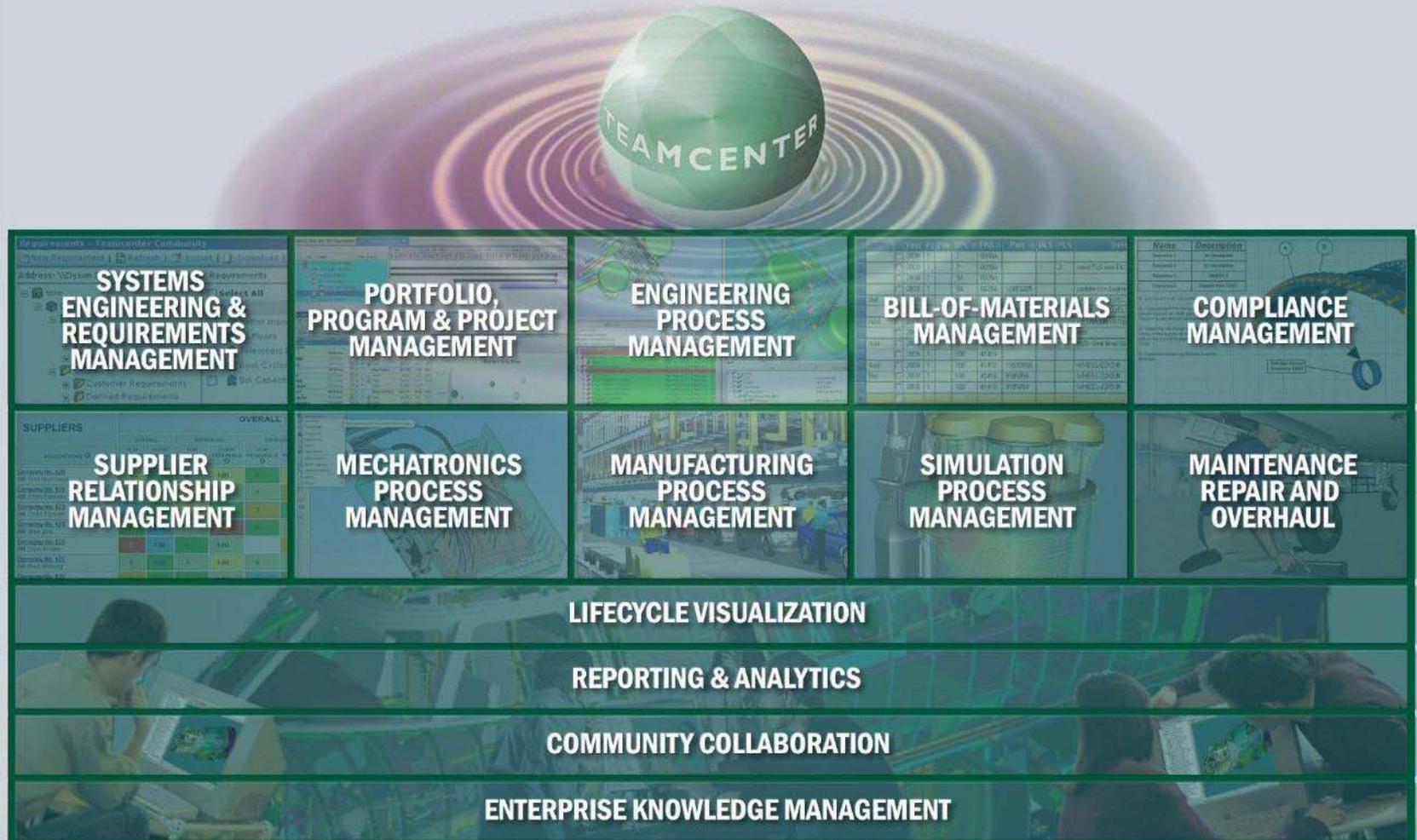
Americas 2008

PLM Software

Answers for industry.

SIEMENS

Teamcenter Digital Lifecycle Management Solutions



Enterprise Knowledge Management

Agenda

Teamcenter Content Management Overview

- Why Tech Pubs support
- What is Content Management
- Basic functionality
- Availability

Demo

- Review interface
- Build document structure
- Author new content and reference graphics
- Publish

Q&A



Why Technical Pubs Support?

The **volume of product information** that must be published when the product goes to market is resulting in missed product launches and increased production costs.

Challenges

- Diverging Documentation: Keeping up with **product changes**
- Launch Delays: **Concurrent development** of product and documentation
- Amplification of the **Global Trend**:
Managing translation content
- **Compliance** with Federal and Industry publications standards



Business Challenge

"We have a number of products that have shared features, and one of the biggest challenges we are currently facing is developing targeted documentation. We are planning to switch to a robust content management system that would help us in developing customized documentation for our customers."

Bonni Graham, Scantron Corporation

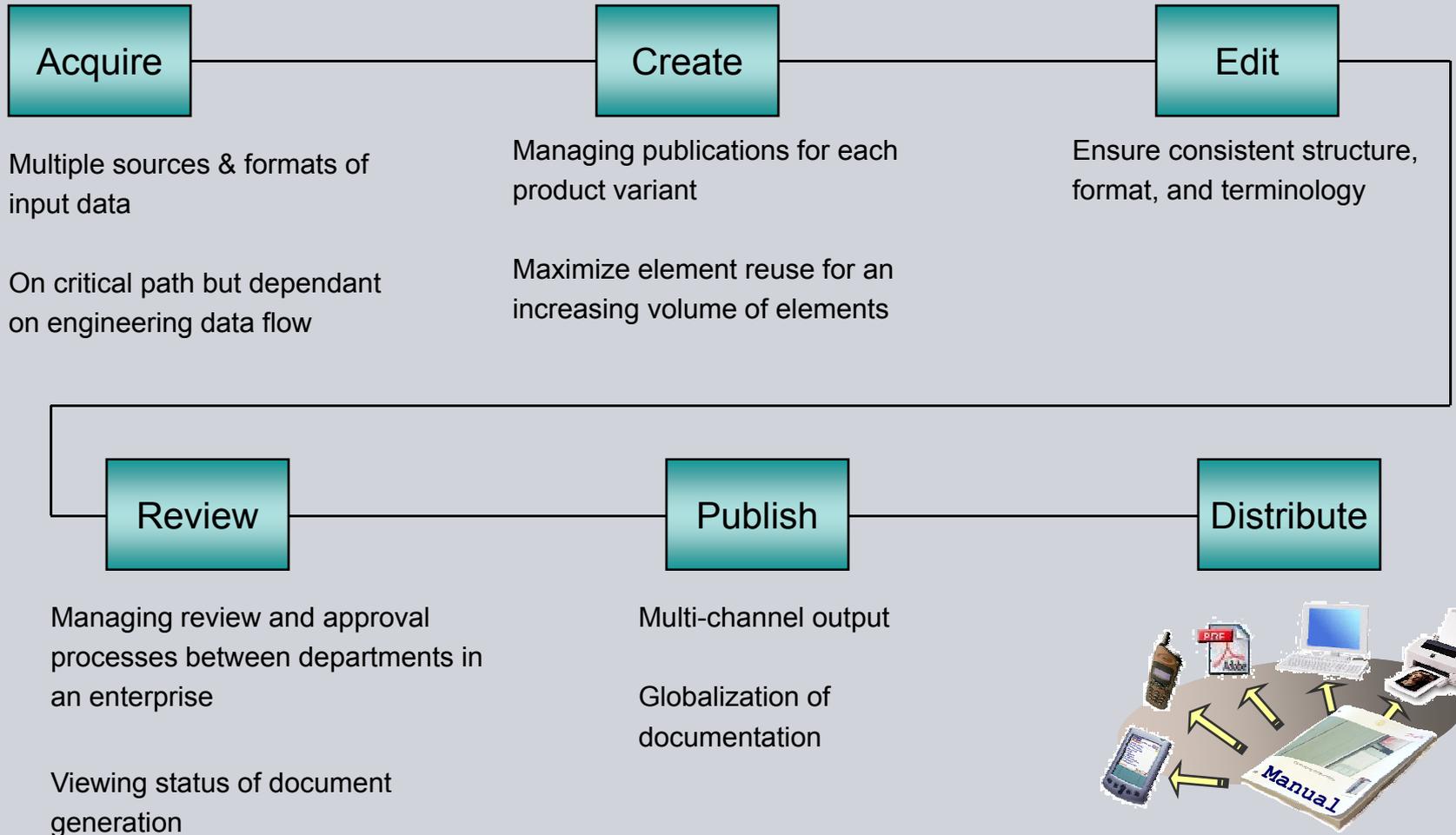
"...Manufacturers are increasing their focus on product documentation and making it an integral part of the entire product lifecycle."

Goals of Improved Technical Documentation

Faster time to market	61%
Product development cost reduction	58%
Higher quality product documentation	47%
Promote reuse and efficiencies	47%
Identify and automate documentation updates based on product changes	44%

Source: AberdeenGroup, June 2006

Technical Documentation Challenges



Typical Disconnected Environment

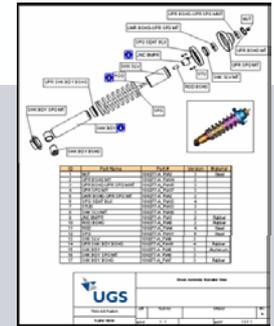
AUTHOR:

**Create / Layout /
Manage Assets**



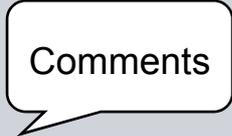
**PREVIEW/
PUBLISH:**

**Export documents
for viewing**



INPUT:
**Leverage
Enterprise
Knowledge**

VIEW:
**Examine
authored
documents**



ID	Part Name	Pa
1	NUT	101207_A
2	UPR BSHG MNT	101207_A
3	UPR BSHG UPR SFG MNT	101207_A
4	UPR SFG MNT	101207_A
5	UPR BSHG UPR SFG MT	101207_A
6	SFG SEAT BLK	101207_A
7	STUD	101207_A
8	SHK SLVMT	101207_A
9	SHK SHPR	101207_A
10	ROD BSHG	101207_A
11	ROD	101207_A
12	SFG	101207_A
13	SHK SLV	101207_A
14	UPR SHC ROD BSHG	101207_A
15	SHK BDT	101207_A
16	SHK BDT SFG MT	101207_A
17	SHK BDT BSHG	101207_A

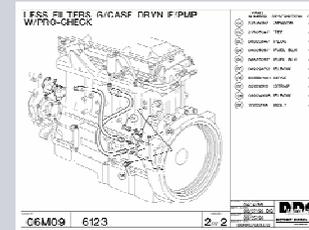
May 2008

Teamcenter Content Management – Use Cases

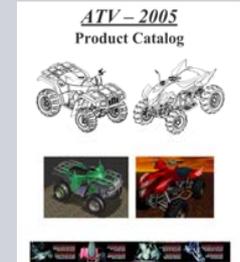
Manage the generation and publishing of SGML/XML based information

Applications of content management include:

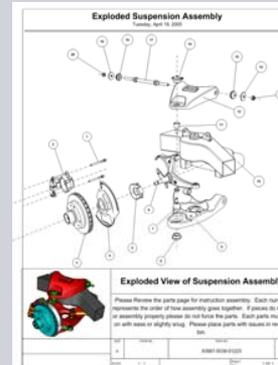
- **Technical and Users Manual** generation – aerospace, defense, automobile, machinery, consumer products
- Online and off-line **Parts and Product Catalogs** generation
- **Work Instructions** Generation
 - Manufacturing Process Sheets
 - Assembly/Disassembly Instructions
 - Service & Repair Manuals
 - MRO – **Logistics Support documents** (e.g. maintenance or repair instructions)



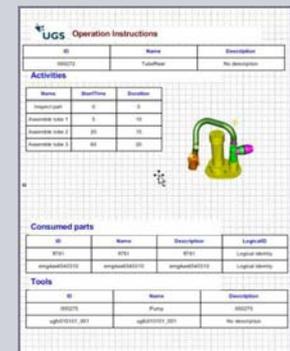
User Manuals



Product Catalogs



Mfg Process Documentation



Work Instructions



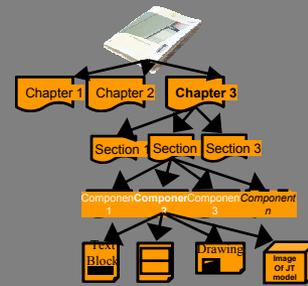
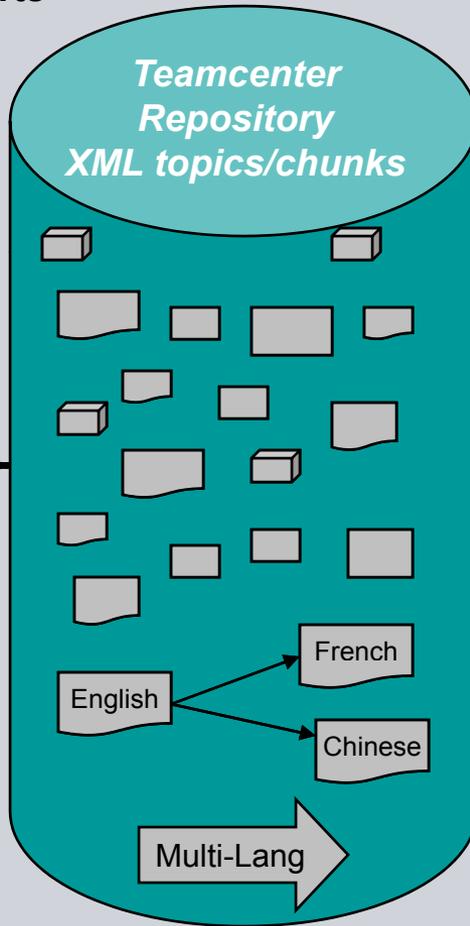
Product Labels / Packaging

Teamcenter Content Management

Multi-Channel Publishing – a.k.a. Re-purposing

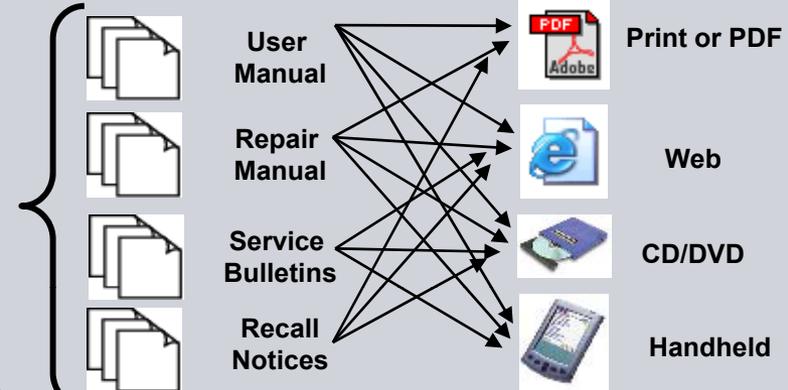
Authors / Subject Matter Experts

- Process Instructions
- Graphics
- Legal
- Warranty
- Recall Notices

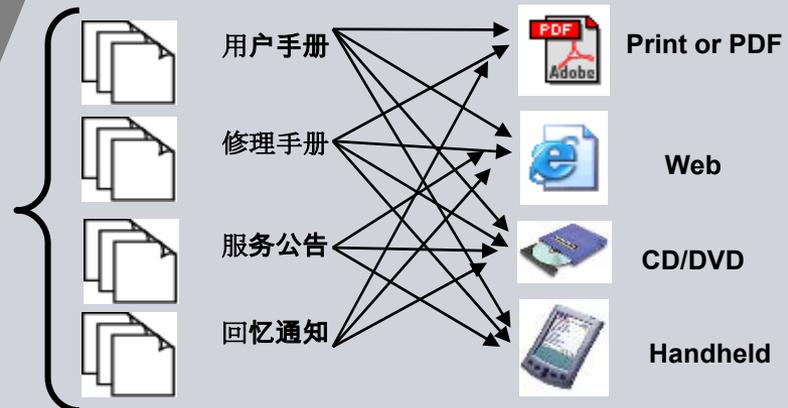


**Automated
Assembly
and Publishing
Server**

English Documents

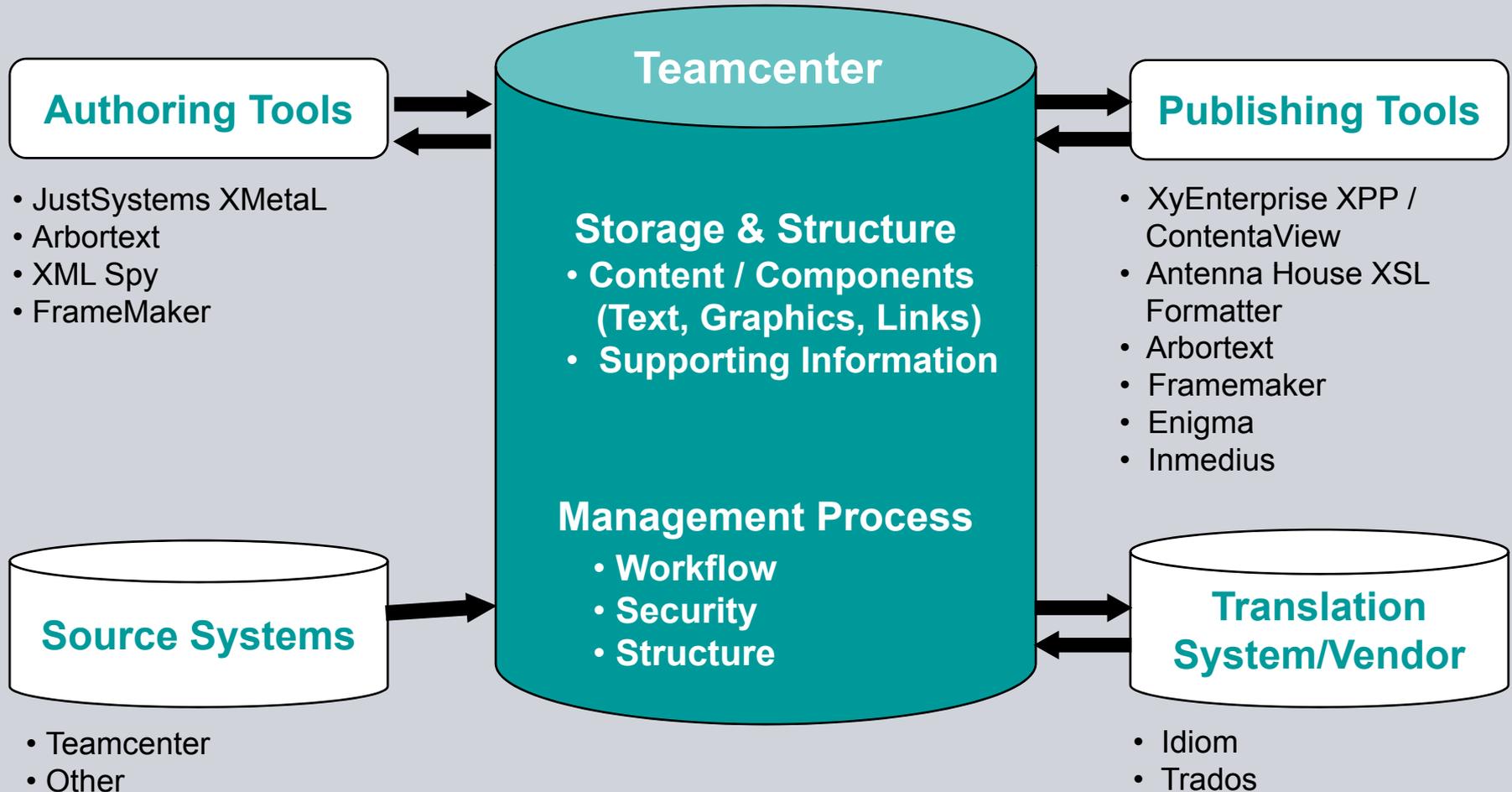


Multi-Formats



Chinese Documents

Teamcenter Content Management Environment Components



Content Management

Leveraging XML/SGML Components

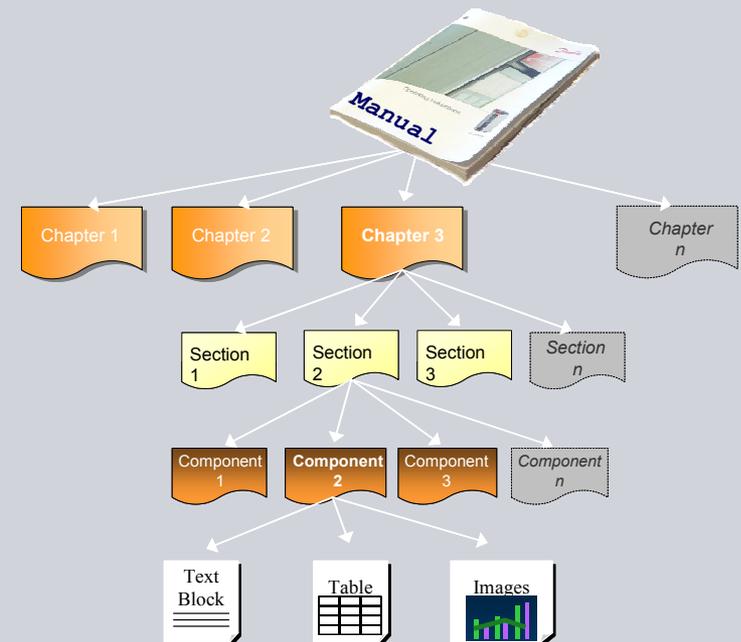
More pieces to manage drives a need for a system to management them

Facilitates **content reuse** and collaboration

Supports intelligent content **exchange**

Structured (**SGML or XML**)

- Consistent structure - Schema / DTD
- Validation - Schema / DTD
- Multi-channel output - Style sheets
- Archiving in standard format



XML Document Benefits

XML documents can be “smart”

- ... more abstract and general
- ... have as much metadata as is useful
- ... integrated with other information systems

Smart documents can become active participants in business processes

- As computer-readable data objects
- As interactive online documents
- As printed or PDF documents



XML Construction: Data Models

DTDs or Schemas

Data models ensure consistency

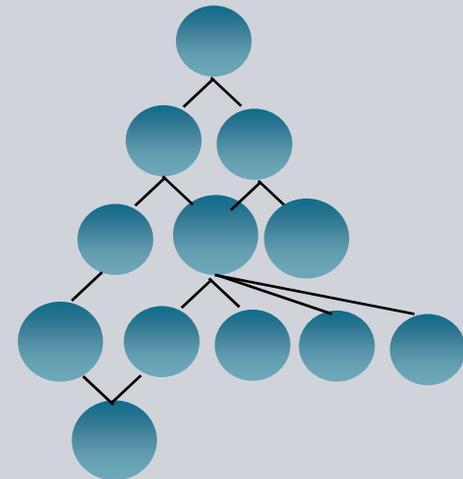
- A set of declarations that conform to a particular syntax structure and types of content allowed
- Ensure the ability to format to multiple media using scripts

Allow for interchange

- Between documents
- Between organizations
- Between systems



Training

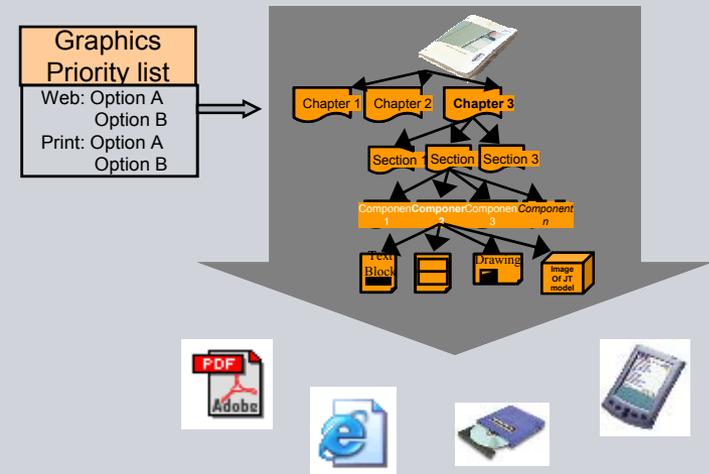
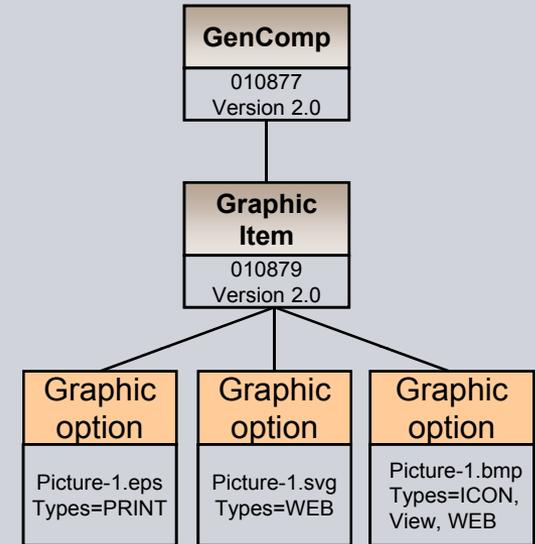


Owners Manual

Teamcenter Content Management

Graphics Management

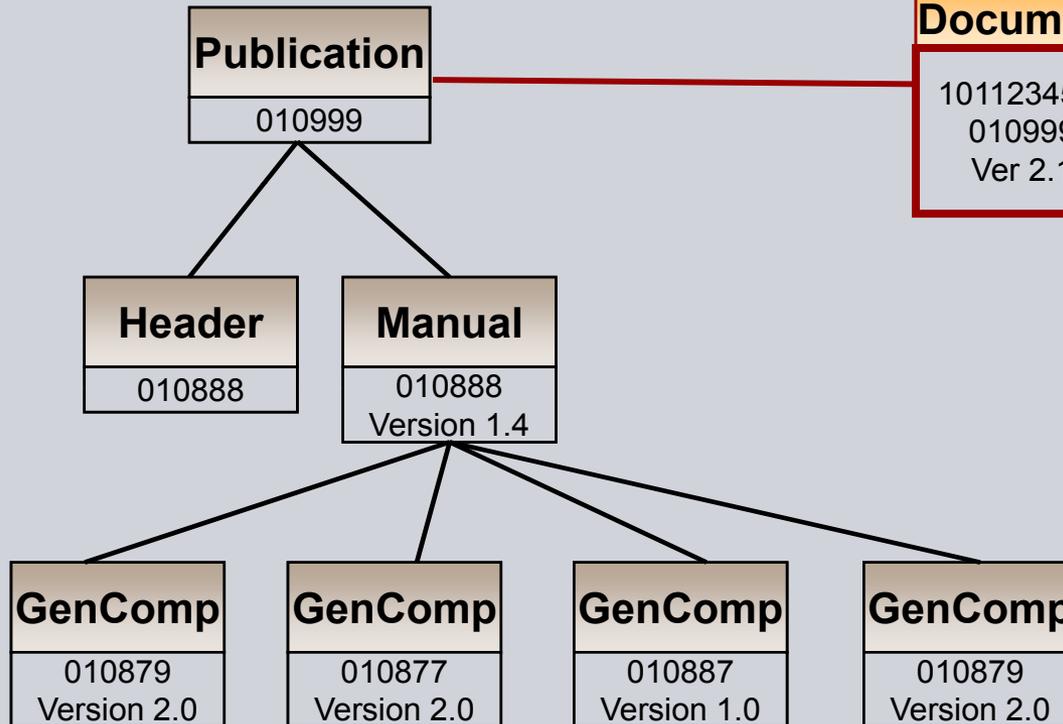
- Manages multiple instances of a graphic
 - Formats
 - Language
- Captures / Imports Graphics
 - Rich Client
 - User Authoring Session
- Publishes in Context
 - Media
 - Customer



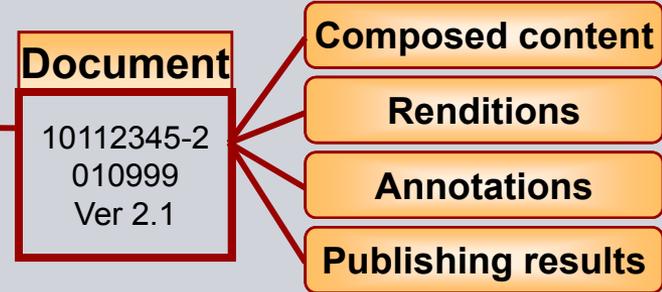
Teamcenter Content Management

Publishing / Delivery

Publication Structure



Published Documents



Teamcenter Content Management

Translation Order Request

Components are managed by **language**

Users can request translation by

- **Any level** in the document structure
- Specific languages
- **Multiple** translation “offices”

System automatically

- Builds the translation order
- Organizes components
- Tracks status
- **Imports returned content**
- Relates it to source

Language Selection

Translation Order Title (Synopsis) ⚠ Test Order 1

Translation Order Description ⚠ Test Order 1

Translator / Process Administrator ⚠ sno

Translation Office ID Reference ⚠ MyTranslationOffice

Requested Delivery Date

⚠ This field is required and must be filled

English UK

Review	Language
<input checked="" type="checkbox"/>	German
<input type="checkbox"/>	Italian
<input type="checkbox"/>	Bulgarian

TranslationOrder Parameter

Includes

Include Supporting Data

Delivery Mode

Deliver Composed Topic

Deliver De-Composed Topics

< Back Next > Finish Cancel

Teamcenter Content Management

Ease of Administration

Configuration and setup are done with UIs

- No coding, command lines

Attribute Map Table

Attribute Name	Function	Path	Field S...	fixed
xmlNumber	BIDIRECTIONAL			
versionNumber	BIDIRECTIONAL			
title	COMPOSE			
protected	DECOMPOSE			
title	EXPORT_FILE_NAME			
masterLanguageRef...	FIRST_COMPOSE			
languageReference	TRANSLATED_COM...			
masterLanguageRef...	NON_TRANSLATED...			
title	TRANSLATED_COM...			
contentVersion	TRANSLATION_SUB...			
contentVersionRefer...	TRANSLATION_REC...			
title	TRANSLATION_REC...			
languageReference	TRANSLATION_REC...			

add remove

Admin Comment

DITA

- implemented by Stylesheet
 - concept2epic,A,1
 - dita.concept.xac,A,1
 - dita.ditabase.xac,A,1
 - dita.reference.xac,A,1
 - dita.task.xac,A,1
 - dita.topic.xac,A,1
- used by tool
 - XMetaL5

Create Publishing Tool

Tool name	<input type="text"/>
Tool Activation	com.doccenter.client.common.publisher.log.C
Tool Command	<input type="text"/>
Tool path	<input type="text"/>
Graphic Priority Table Reference	EDIT
Download graphics	yes
Download schema	yes
Download stylesheet	yes
Local Indicator	yes
Number of Instances	<input type="text"/>
Processing instruction	<input type="text"/>
System Usage	USER

Teamcenter Content Management Solution Strategy

Build “**platform**” for content management

- Components, structure, languages

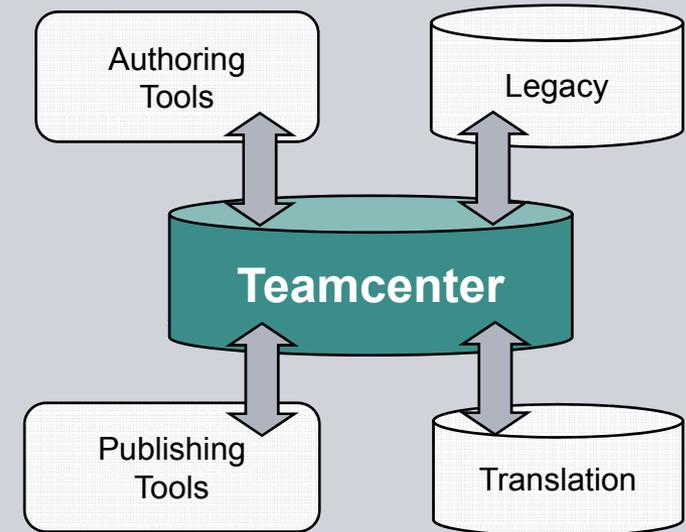
Manage **topics**

- Text - multiple languages
- Graphic - multiple languages, formats
- Relationships between components
(link management)

Provide **framework** to support any SGML/XML applications

Support leading **SGML/XML** applications

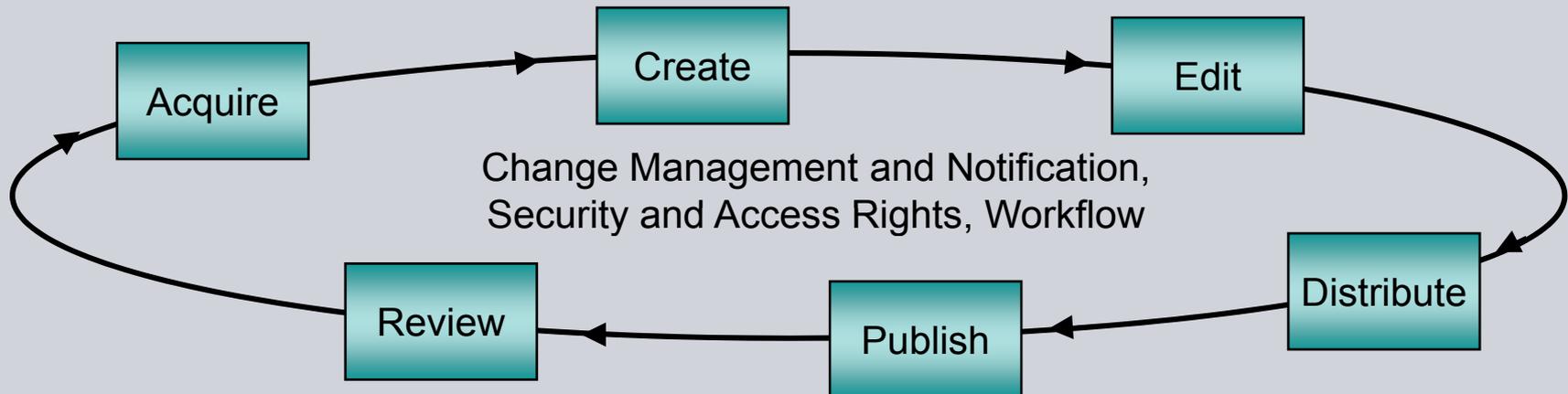
- **Authoring** (e.g., XMetaL, Arbortext Editor, XMLSpy)
- **Publishing** (e.g., XSL Formatter , XyEnterprise XPP, Arbortext Publishing Engine)



Extending Documentation Value through Teamcenter Content Management

What value does the system provide?

- Enables integration of authoring and publishing systems to a **single environment**
- Facilitates **rapid publication** of product variant documents
- Ensures completion of **critical path** documentation dependent on engineering data flow
- Supports **multiple formats and languages**
- Maximizes component and topic **re-use**
- Facilitates systematic and **repeatable processes**



Everything related to document & process gets easier and faster !

Availability

Teamcenter Enterprise 2005 SR1

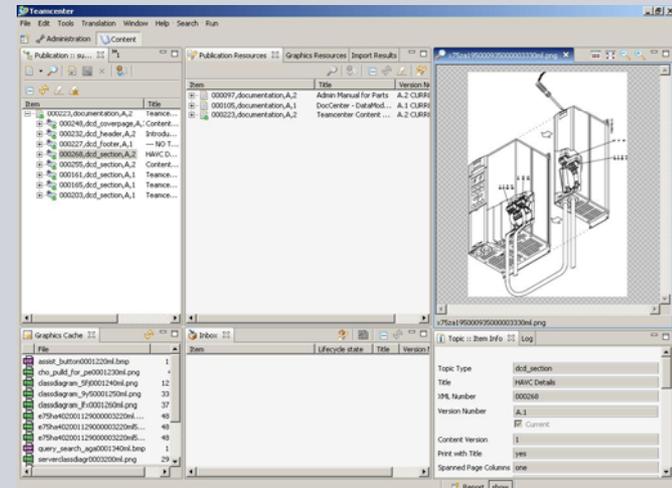
Teamcenter Enterprise 2007.1

Teamcenter 8

Available Today

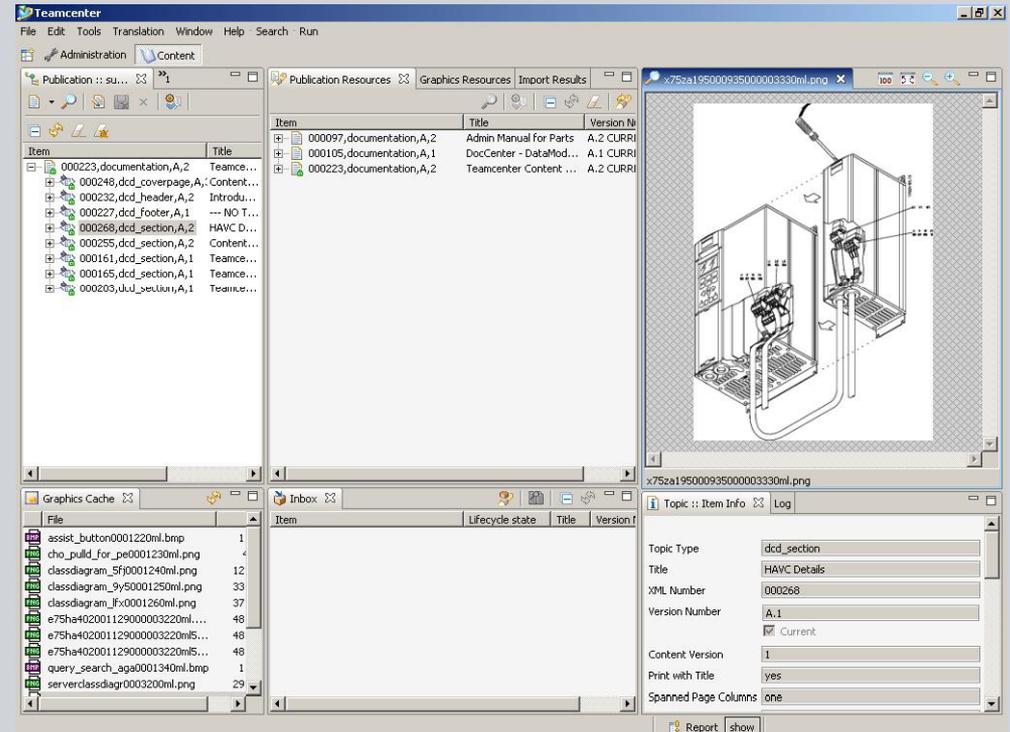
Available Today

End 2008



Demo

- Review interface
- Build document structure
- Author new content and reference graphics
- Publish



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Thank You

2008

