SmarTeam

SmarTeam

e-Business Collaboration

From Product Concept to Realization
Over the Web

Leading through collaboration

The Company

- Founded in 1995, with Headquarters in Tel Aviv, Israel (and main subsidiaries in the US, France, Germany and the UK)
- 75% owned by Dassault Systems
- As of May 2001, over 240 employees with 90 in R&D and 150 in Support, Consulting & Implementation Services, Sales and G&A
- Flagship product: “SmarTeam® ”

The fastest growing PDM company

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Mission Statement

To provide rapidly implemented, scalable, customizable and affordable Windows/Web centric information collaboration solutions for the extended enterprise

Make it Simple

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Challenges of the Manufacturing Industry

Number of people (400-2000)

Number of locations (10)

No of 1st Tier suppliers (500)

# of components (6000)

No of 2st Tier suppliers (5000)

3rd Tier suppliers

# of decisions (100,000)

# of iterations (4)

# of Hours spent searching for correct info 1,200,000

Cycle time (24 mos.)

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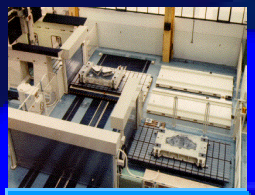
The extended enterprise collaboration solution

Suppliers



Production

Sales-
Quotation

Customers

Inbound

Purchasing

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Enterprise
Platform

Outbound

Service
Maintenance

Design

Planning
Project
Mgmt

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Value Proposition

- Knowledge capture and re-use
- 3D information sharing
- Control of product changes over the web
- BOM Management and collaboration
- Distributed environment solution for multi-site companies
- Downstream synchronization with ERP/MRP
- Supply chain product information collaboration
- Powerful Enterprise Application Integration (EAI)

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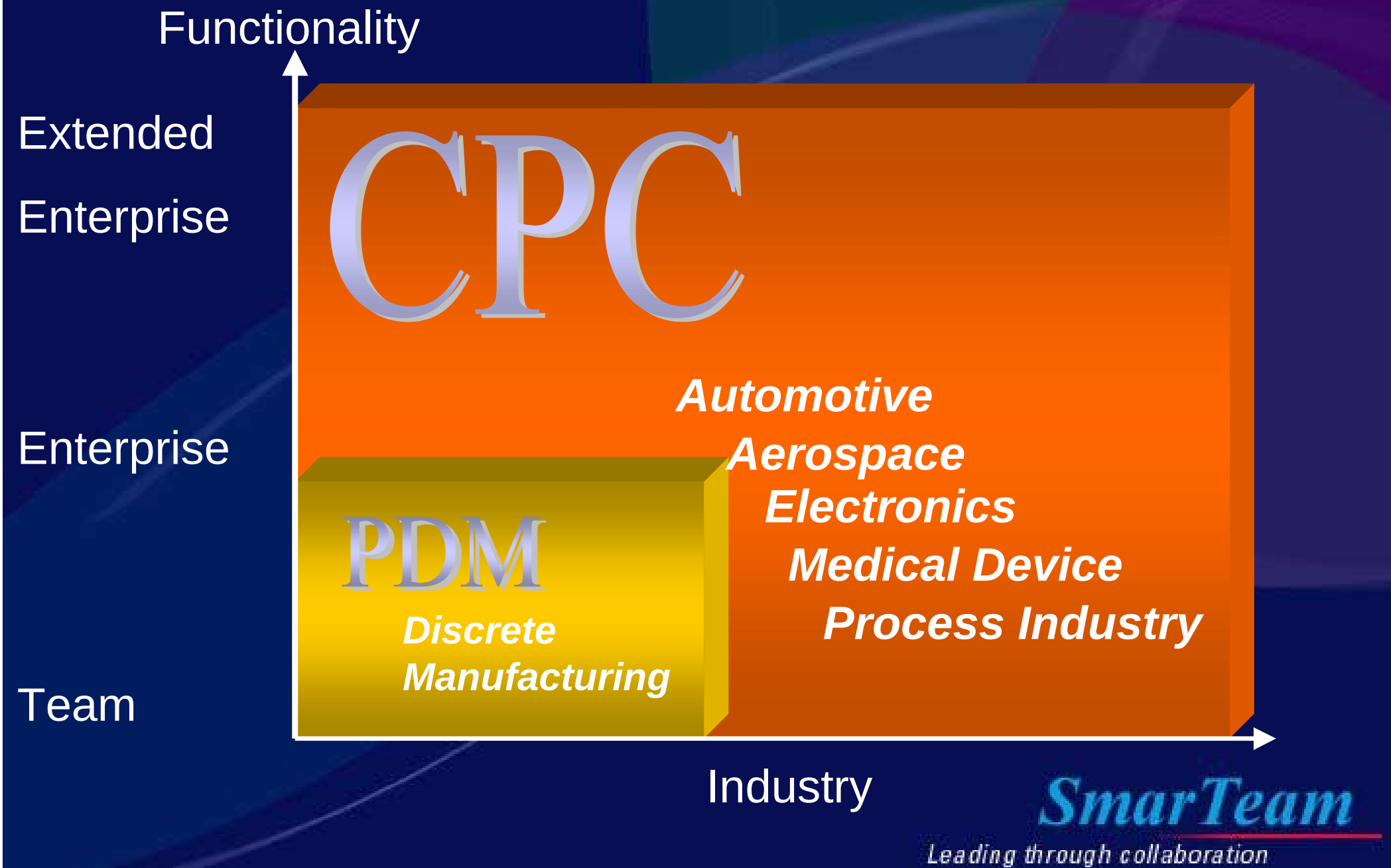
SmarTeam Market Expansion



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Building Momentum

- **Over *150* Value Added Resellers worldwide**
- **Over *1,400* Customers**
- **Over *30,000* seats sold**

Rapid sales cycles

Rapid Implementation

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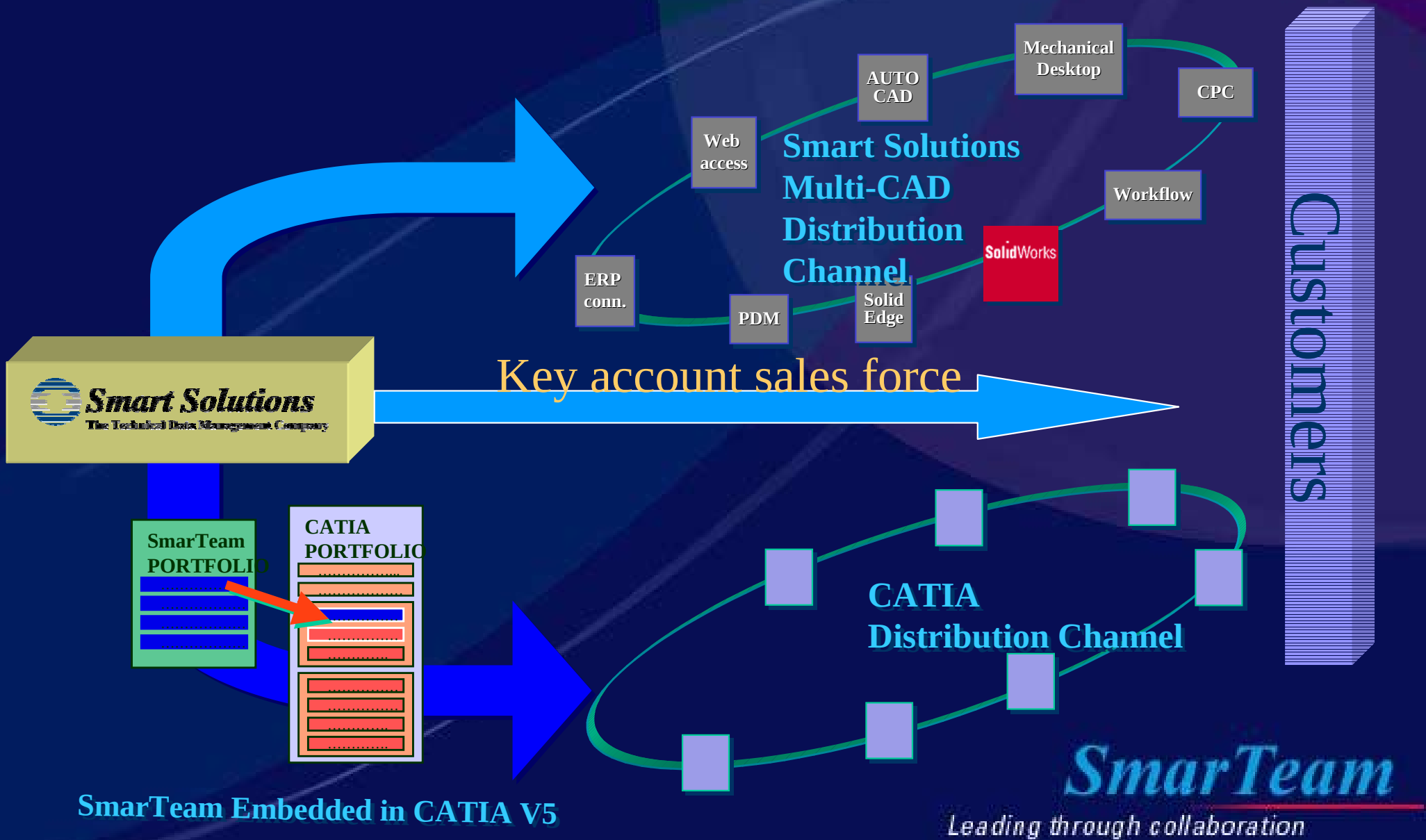
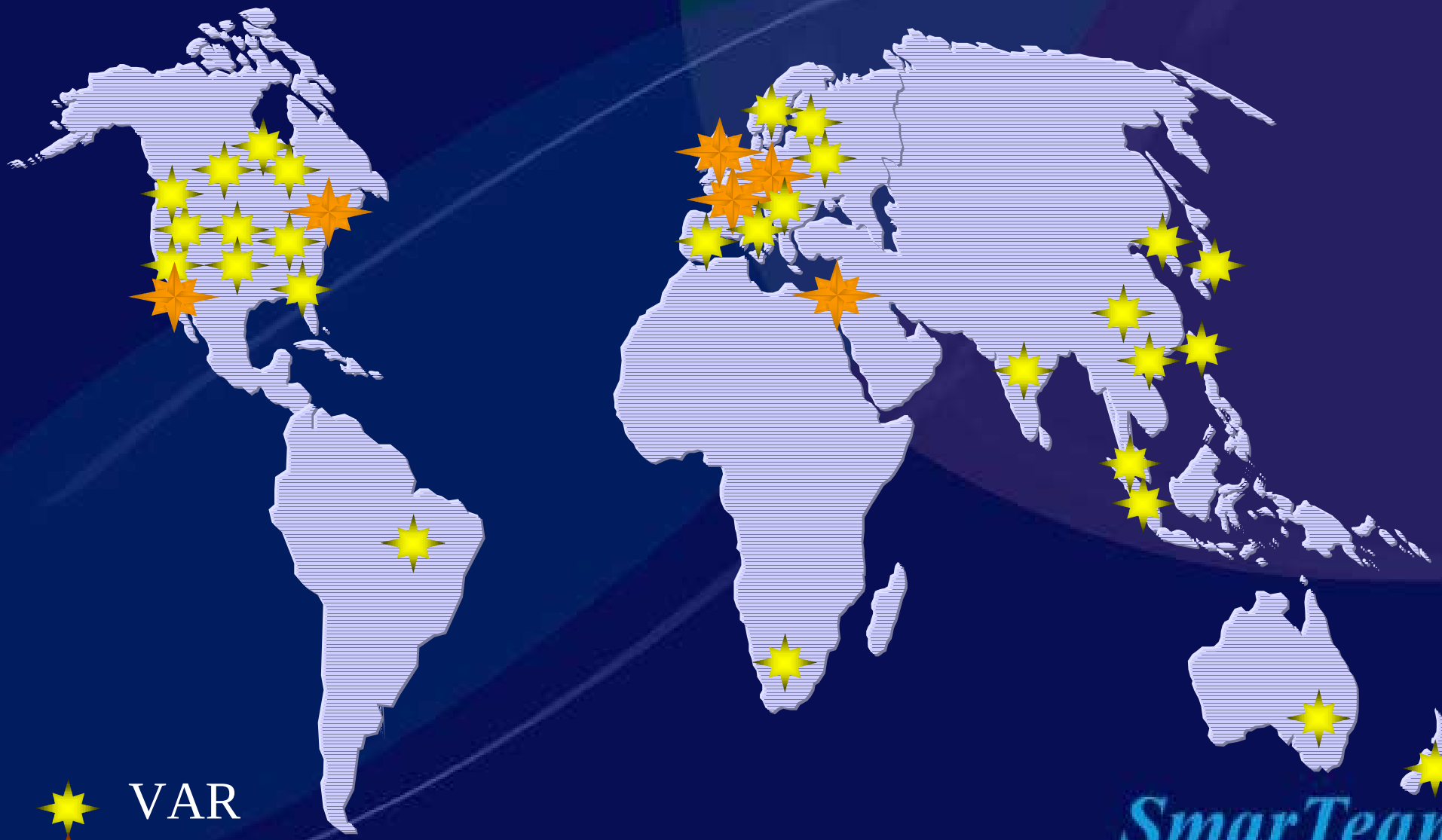
SmarTeam Routes to Market



Global Marketing



VAR

Subsidiary

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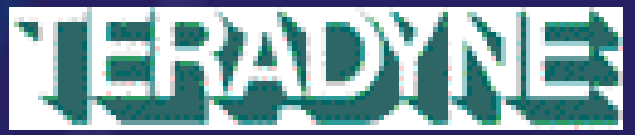
Some of Our Customers



SmartPartners (Partial List)

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Products Overview

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Collaborative Products and Solutions

Team PDM

- SmartExpress
- SmartDesk
- SmartEdge
- SmartInventor

Enterprise

- SmarTeam
- SmartWeb
- Smart Flow
- SmartERP
- Smart Multi Site

***e*-Supply Chain**

- mySmarTeam
- mySmartPublish
- mySmartMeeting
- SmartBOM
- SmartBriefcase

Everything over the web

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Collaborative Products and Solutions - Team PDM

Team PDM

- SmartExpress
- SmartDesk
- SmartEdge
- SmartInventor

Everything over the web

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Collaborative Products and Solutions - Enterprise

Enterprise

- SmarTeam
- SmartWeb
- Smart Flow
- SmartERP
- Smart Multi Site

Everything over the web

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Collaborative Products and Solutions – eSupply Chain

e-Supply Chain

- mySmarTeam
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Everything over the web

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PDM Functionality

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What is SmarTeam?

- SmarTeam is a business collaboration solution that allows manufacturers to share and exchange product information throughout the enterprise and across the supply chain
- A uniquely cost-effective and rapidly implemented Product Data Management (PDM) solution, SmarTeam also serves as the core of a Collaborative Product Commerce (CPC) enterprise system

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What is SmarTeam? (2)

- Client-Server Windows application
- Focused CAD integrations – SolidWorks, Autodesk Products, Solid Edge, other integrations developed by partners
- Strong customization and tailoring tools – Wizard, User Authorization, Multi-Language support, Form Designer…
- Support distributed locations – Database synchronization, distributed vault support – the multi site solution
- COM API, XML technologies based

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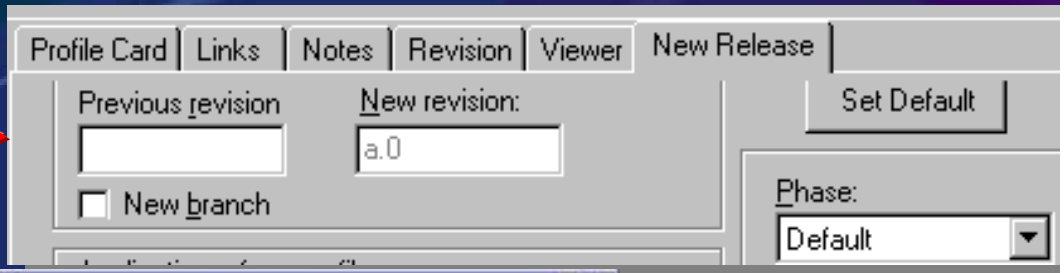
Product Data Management

Manages documents

- Easy search and query mechanism
- Enrich products information: pre-defined and customized attributes



Manages the product structure

- Navigation through linked documents
- Hierarchical links
- Logical links: Documents, projects…

Manages data modifications

- Automatic tracking of revisions with history:
- Major and minor revisions
- Allows and secures team work

Offers a highly secured environment

- Secure Vault
- User security settings

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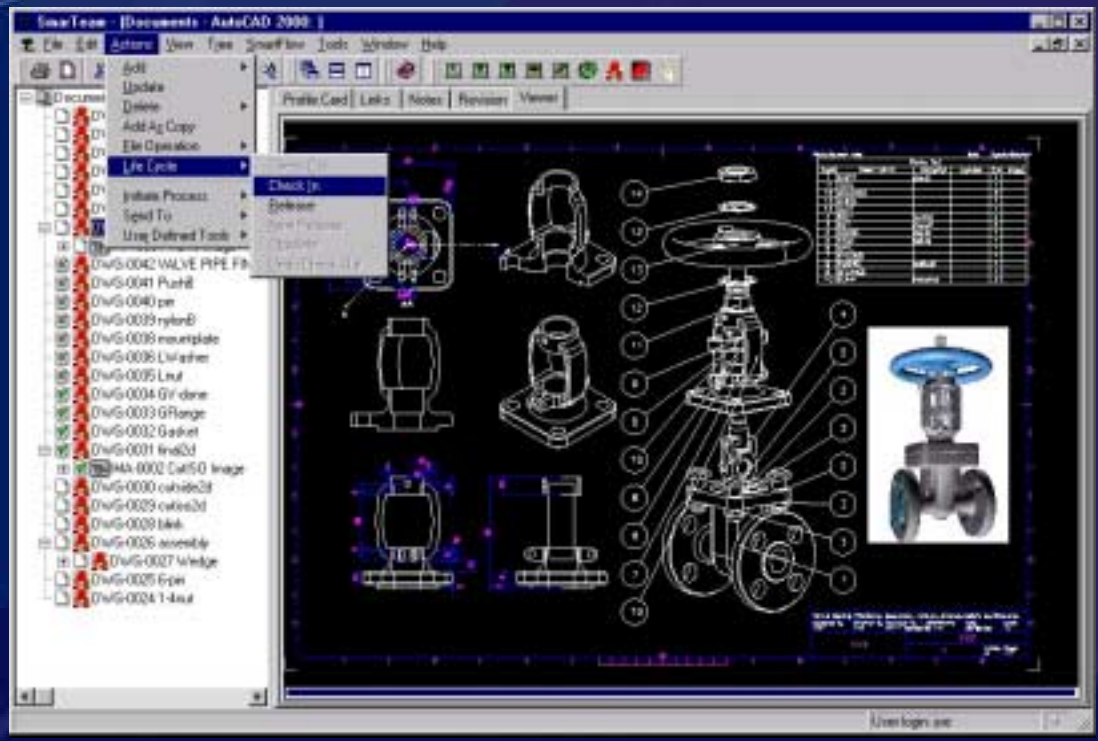
Enhanced Life Cycle Operations for Concurrent Engineering

- SmarTeam enables users to closely track workflow, revision levels, and other information associated with the product development process. Coordinated check-in/check-out procedures and revision-level management features, enable users to publish their most recent changes to a group while continuing to work on the design.



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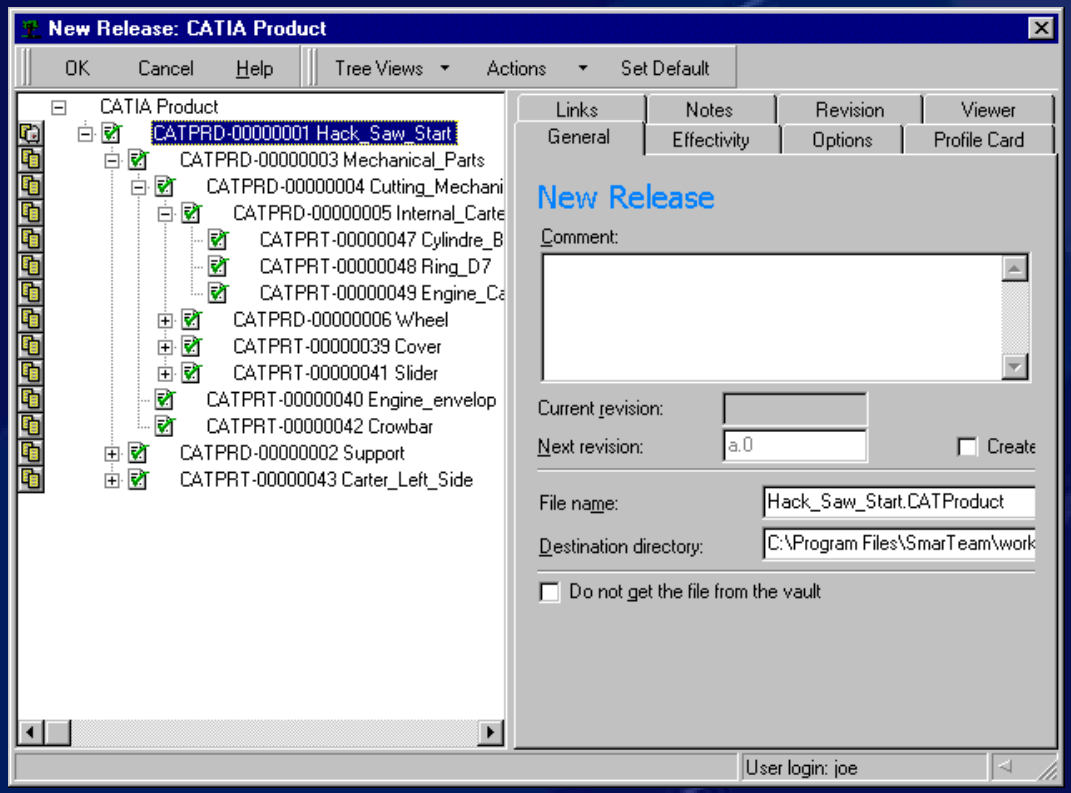
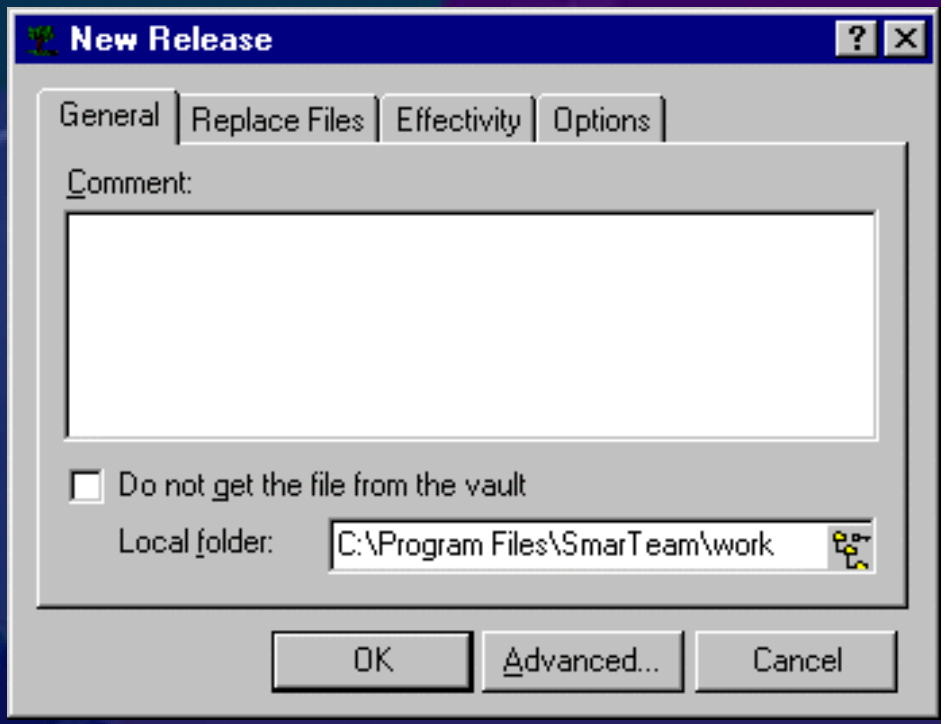
Ease-of-Use

Fast to implement

– Through a centralized network installation in silent batch (SMS)

– Ready-to-use templates available





Easy-to-use interface:

Light Life Cycle process

– A more intuitive way to perform Life Cycle operations

Simplified menus and capabilities

– Menu editor : an option to configure the SmarTeam menus

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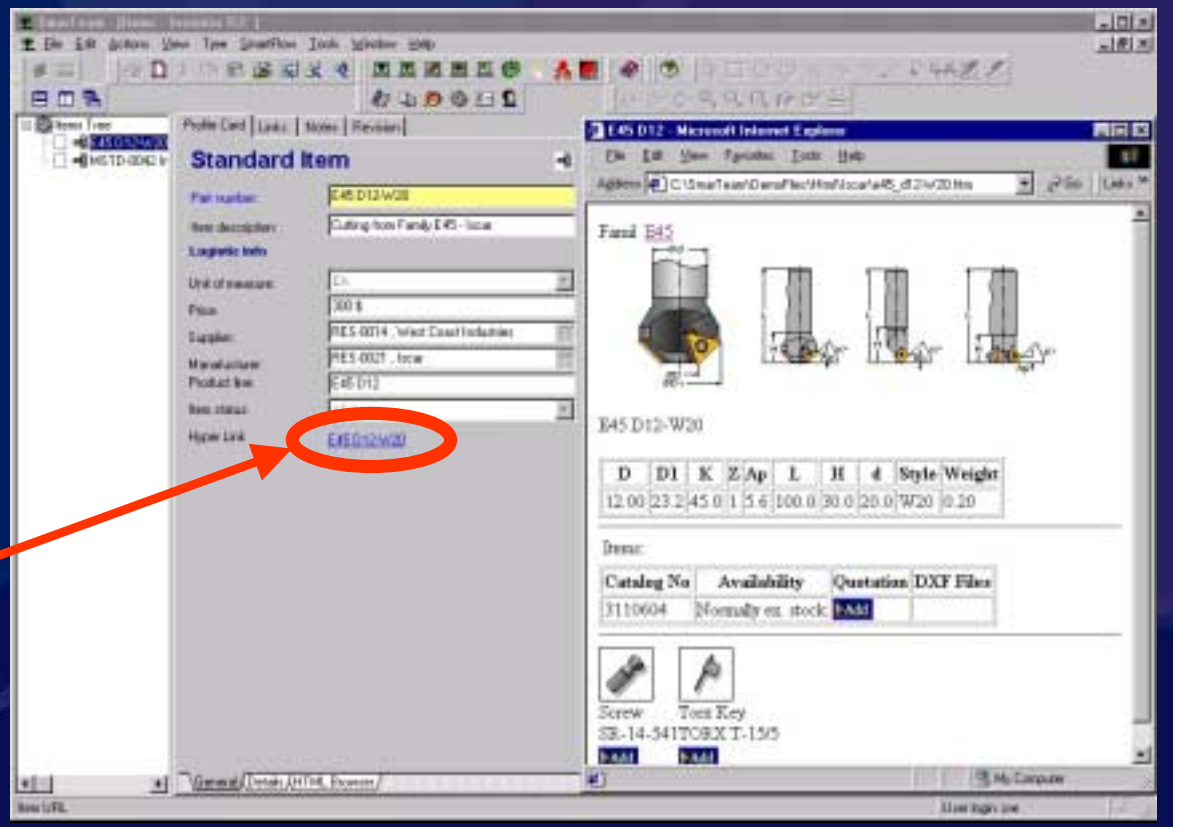
Web Link from within SmarTeam to Better Support the Supply Chain

- Attachment of hyperlinks to any product data being managed by supply chain partners, giving users the ability to link to any URL for additional up-to-date information like detailed specifications, pricing, part numbers, etc. from within SmarTeam's Profile Card.



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Multi-CAD Strategy

- Provide seamlessly integrated PDM solutions to mainstream CAD and office applications in order to supply a common collaboration platform among engineering teams
- Create synergy between people, information, applications & business processes by providing an affordable easy-to-use data management solutions
- SmarTeam is integrated with the following leading PC-CAD applications: CATIA, SolidWorks, Solid Edge, AutoCAD, Mechanical Desktop, Autodesk Inventor, MicroStation and Cadkey

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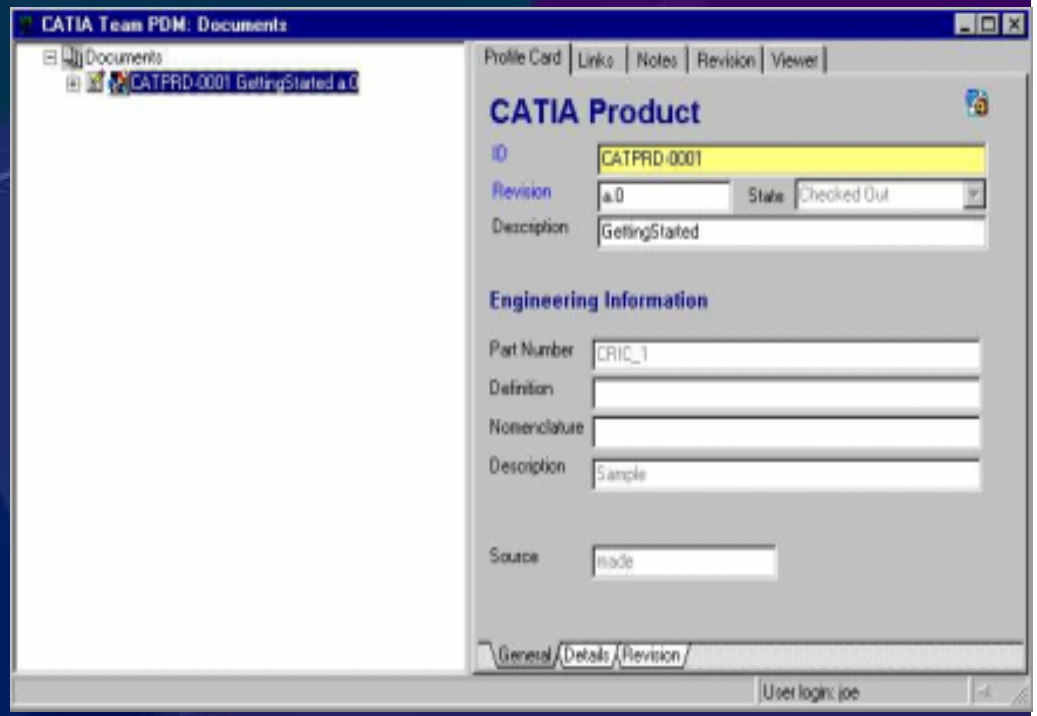
CAD Integrations

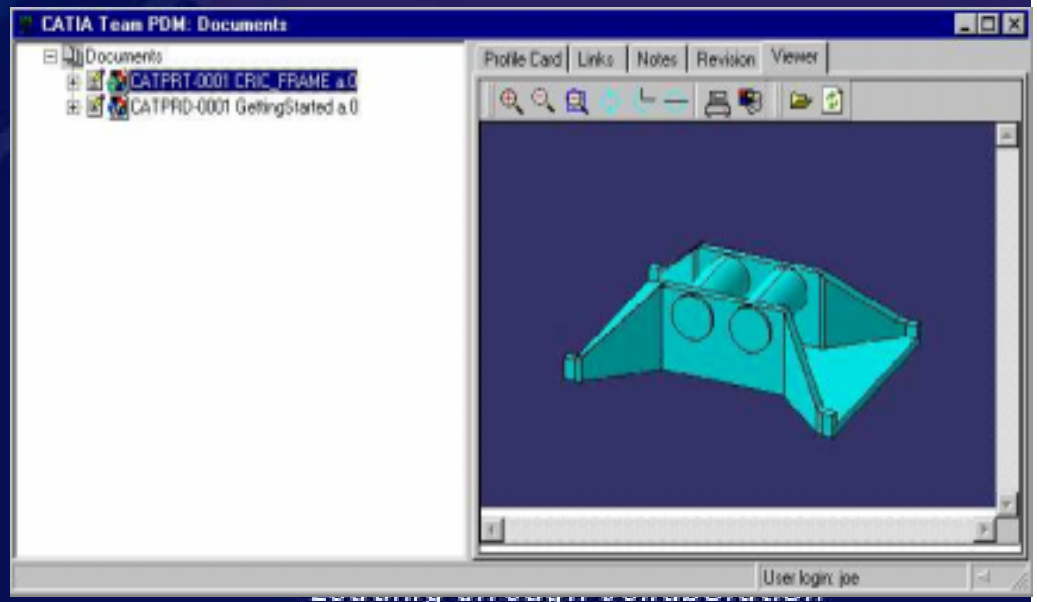
Integration between CAD systems and SmarTeam

- All CAD documents types can be saved in the database
- The CAD assemblies and parts properties are automatically saved in the SmarTeam database



Enhanced usability

- Preview of a document
- Ease the searches



Support for Windows NT, Windows 98, Windows 2000

Usability Through Integrations

- Easy-to-learn and quick to use PDM solutions that integrate with the most popular CAD and office applications
- Using COM and DCOM technologies, CAD plug-ins are tightly integrated into any Windows CAD and office software
- “In Process” CAD integrations
- “In Process” benefits
  - users continue to work in their CAD design session environment
  - All key operations: Search, Locate and Life Cycle/ Revision Control are executed from within the CAD
  - Users avoid re-keying redundant information

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Full Assembly and Drawing Hierarchy Support

- Full Part and Assembly Management
  - – Managing complex assemblies and their component parts
  - – Keeping Absolute integrity of assembly hierarchy and its dependencies during life cycle operations
- Drawing Management
  - – All aspects of drawing control are efficiently managed by SmarTeam's CAD integrations
    - Deep Title Block and Revision Block penetration and control
    - Bill of Materials integration and annotation mapping - This insures that the shop floor gets the RIGHT document ON TIME.

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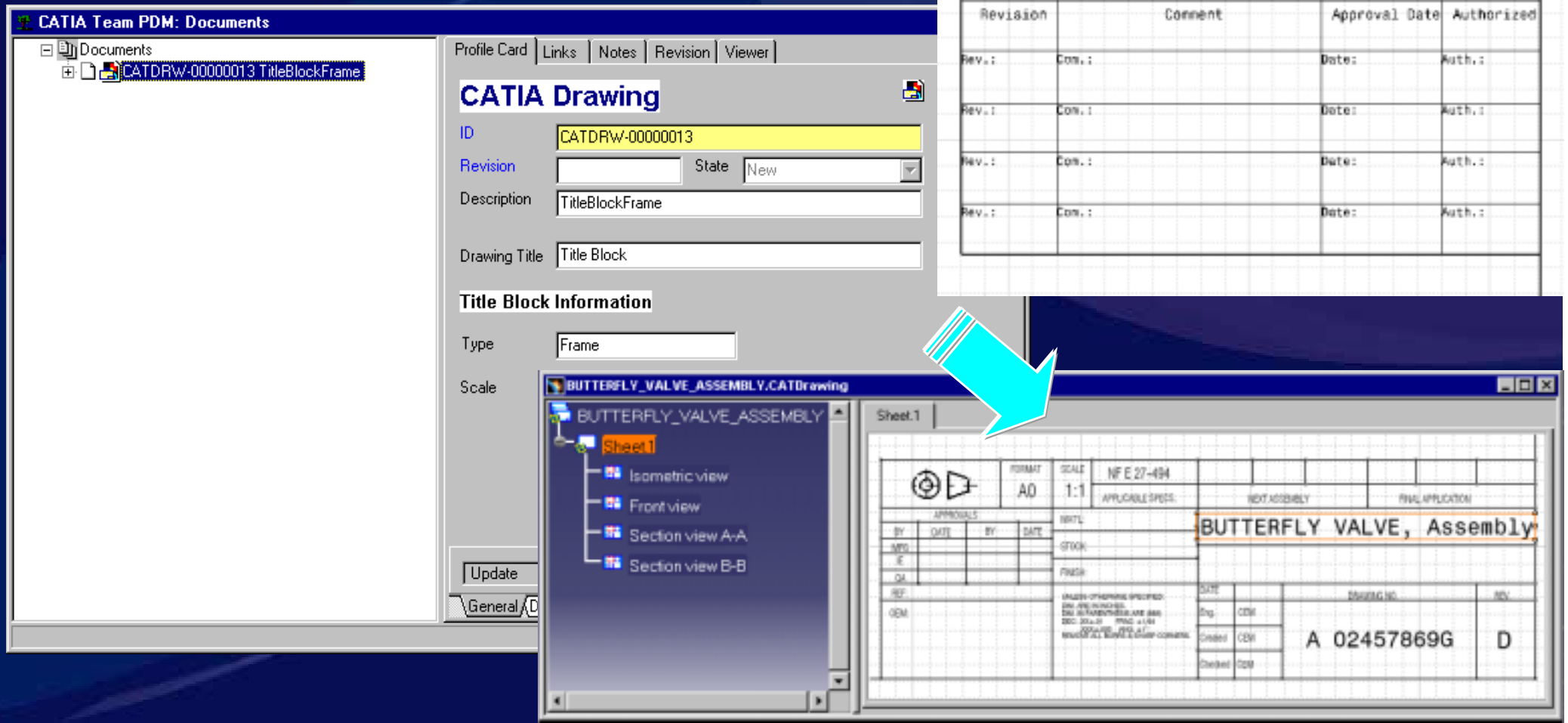
Properties Mapping

Properties mapping : visualization & query

- Extract CAD properties (such as mechanical properties ...)
- Fill CAD Properties from the database
  - Example: to fill in automatically a drawing title block



Adding Value Through Functionality

- Full Assembly and Drawing hierarchy support
- Full *Xref* / Reference Files support
- Revision Control on single file or Assemblies
- Drawing, and file management –
  ties together all product related information
- Easy search and documents retrieval
  - By any attribute (revision, description, part number etc.)
  - "Where Used" and "Composed of" queries
- Title Block and Revision Block integration
- Embedded viewer (over 200 formats)

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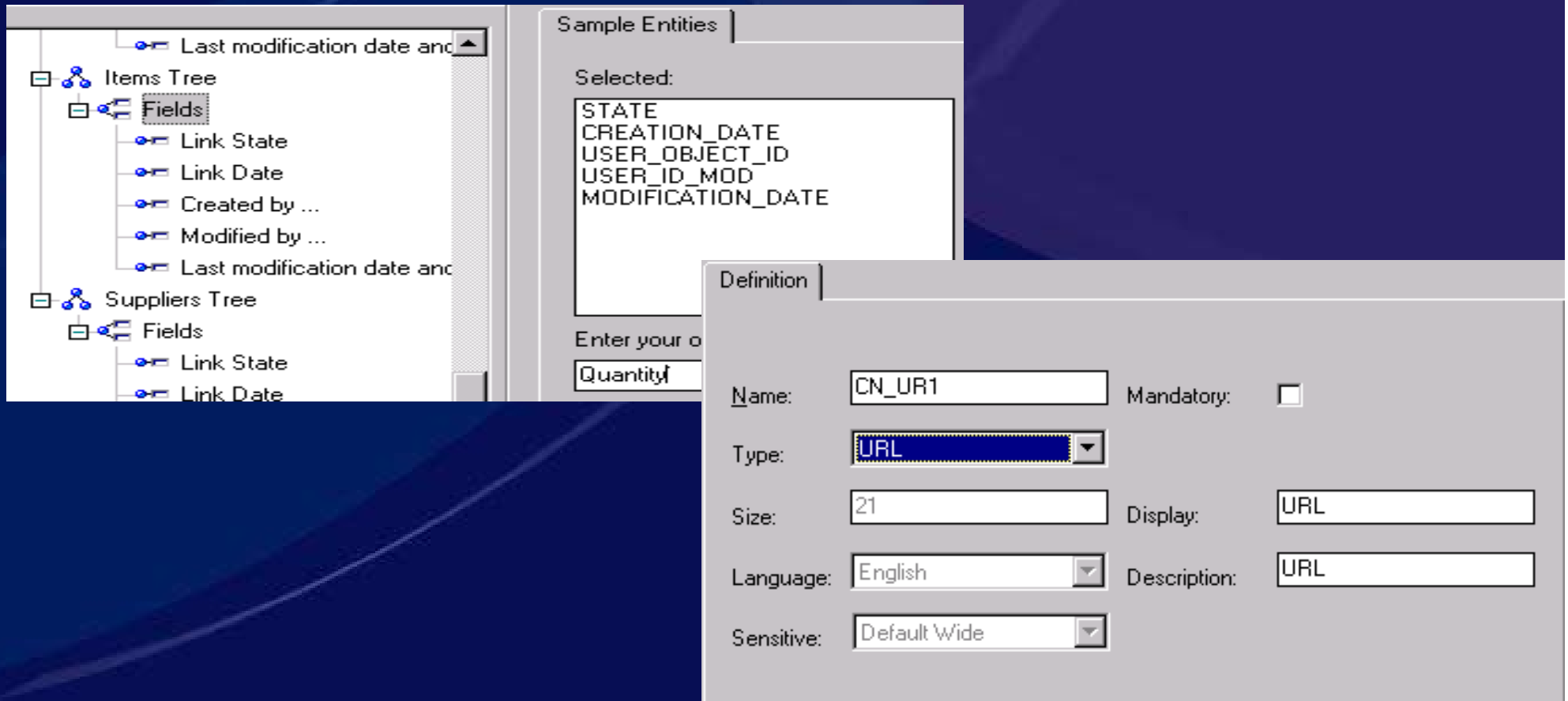
SmarTeam Customization Tools 1

SmarTeam comes with a full set of customization tools allowing an administrator to customize every aspect of the system.

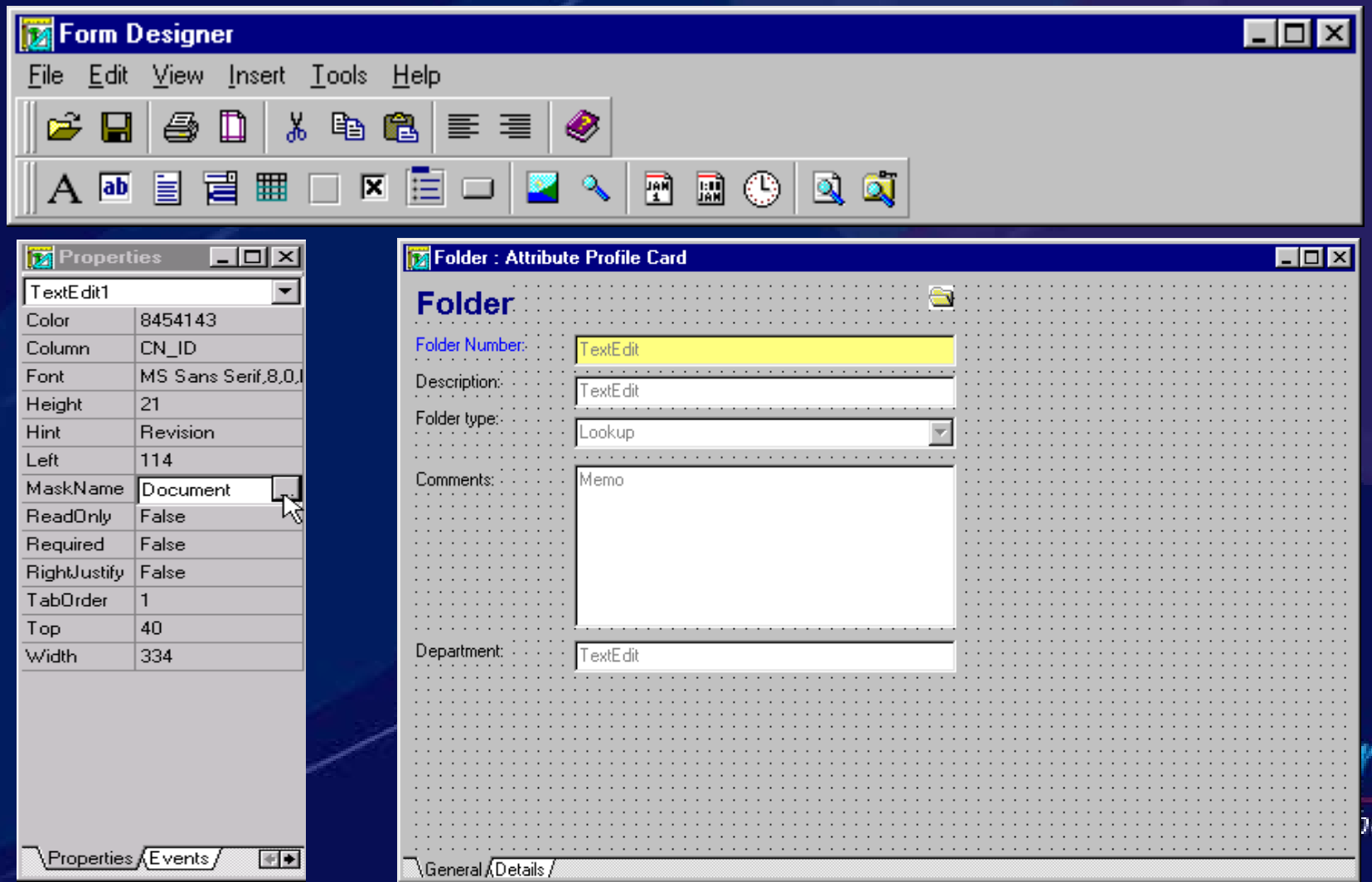
1. The Smart Wizard

A utility that allows administrators to define their own data model, customized to meet their companies own specific requirements.



SmarTeam Customization Tools 2

- Form Designer
  - An intuitive tool allowing users to customize the look and feel of the user interface, this being the profile cards.



SmarTeam Customization Tools 3

- **Sequence Designer** – Define masks and incremental sequences for any field
- **User Maintenance** – Define authorizations for users and groups of users
- **Flow Chart Designer** – Define and design your own ECO, ECP, etc. Flow charts
- **Default Values** – Define default values for any field in the database
- **Menu Editor** – Customize the menus and toolbars according to a users logon to the system
- **Multi-Language** – Load or define a new language for the menus, toolbars and tool tips – I.e. translate SmarTeam or use one of the existing languages
- **Import/Export** – Import legacy data from another system or export SmarTeam Data

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SmarTeam (www.smarteam.com)

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