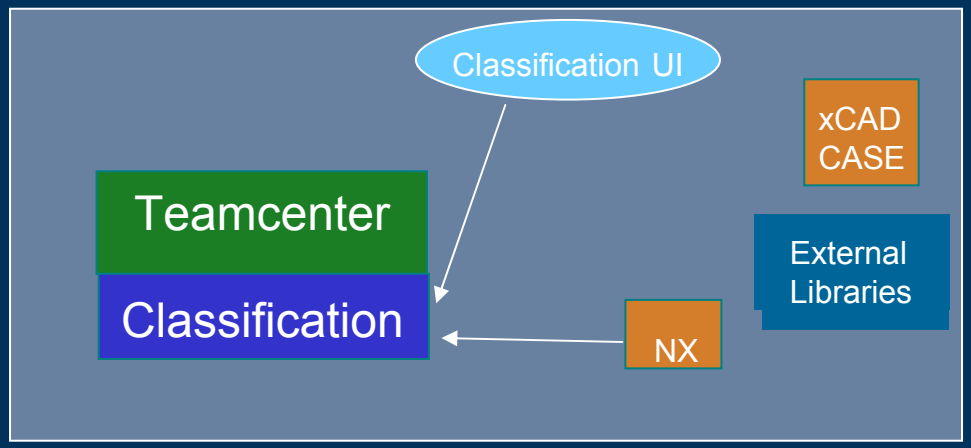
PLM World
Teamcenter Classification Update

J. Carl Megelich
Teamcenter Product Management
May 11, 2006

Classification Vision

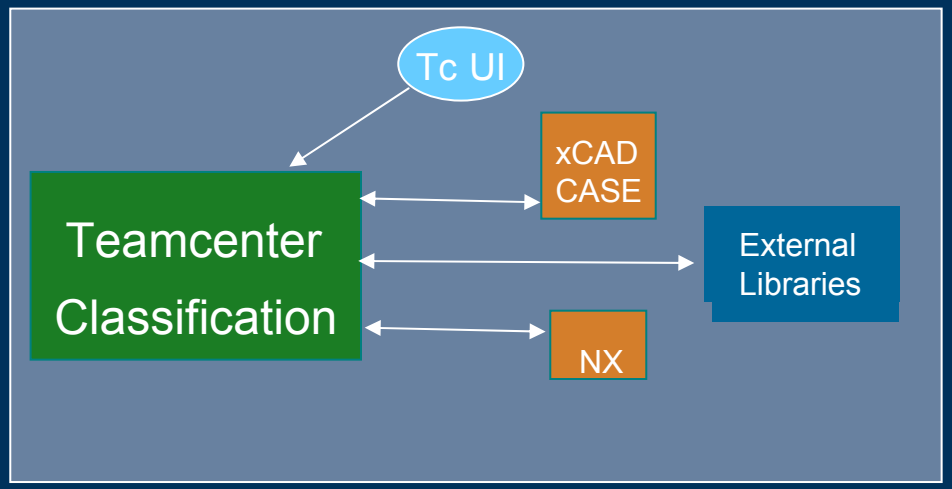
TEAMCENTER

Today



- Parts can be classified for easy retrieval
- Parts can be found based on specific attributes
- Browsing for parts through a specific UI

Tomorrow



- Universal Library for Parts Reuse
- Integrated Access from design environment
- Easily find parts based on advanced attributes
- Automated data entry

Teamcenter Classification

- Teamcenter Classification is a classification tool to organize enterprise assets in a hierarchical structure to:
  - Improved enterprise visibility through access to common repository for product content
  - Improved reuse within the enterprise
  - Reduced material costs due to better volume leverage over reused parts
  - Reduced time to market for new products

Classification Strategy and Roadmap

GOAL 1 – Enhanced Core capabilities

Enhanced data model to enable new concepts and functionality for classification

GOAL 2 – Teamcenter Integration

Further embed Classification data and functionality and bidirectional communications with other TC modules

GOAL 3 – xCAD/CASE Integration

Allow the xCAD/CASE user to bidirectional access to classification information and parts

GOAL 4 – Interoperability

Provide standard interface to standards based sources of part hierarchy and/or parts libraries

GOAL 5 – Advanced Search

Provide the capability to easily find parts based on “x” attributes

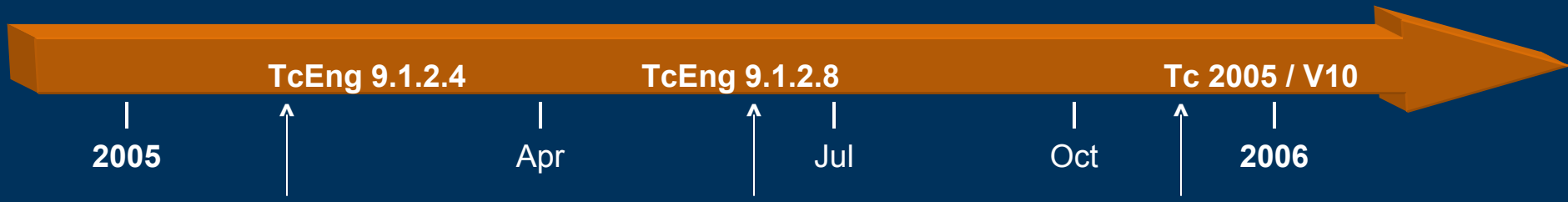
GOAL 6– Catalog Functionality

Provide a catalog/library for all ECAD/MCAD/SW parts

GOAL 7– Usability

Enhance the users experience and migration

Classification Roadmap



- *Resource Assembly viewing in Classification*
- *Resource Browser Component*
- *Role and Project specific views*

- *Prevent duplication of ICO object*
- *Favorites and MRU for Classification Search*

- *Reference Attributes*
- *Name Search in Thin Client*

TcEngineering 9.1.2.4 - 2005

- **Resource Assembly viewing in Classification**
  - This feature provides an assembly viewer for the Classification application, and Classification Search dialog allowing users to visualize the resource assemblies managed by the application before bringing them into the authoring application. It will allow viewing 3D data associated to a resource assembly in the Portal Classification search dialog, Portal Classification application and the Web UI to view the 3D resource assembly via an external Vis application (e.g.,, VisMockUp).
- **Resource Browser Component**
  - The resource browser component is a plug-in component that external applications can use in order to browse and search Classification resources in Teamcenter and get the data of the selected resources as PLMXML data. The component provides its internal UI and uses the Application Integration WebService (AIWS) to access Teamcenter data
- **Role and Project specific views**
  - This feature allows for the definition of classification views based on the user's current role or the project he is working on. The order in which the system selects from the available views of a class is defined by a new site preference (ICS_view_selection_order). The new view types can be selected from the create view dialog in the Classification Admin application.

TcEngineering 9.1.2.8 - 2005

- **Prevent duplication of ICO object**
  - Classification is used to create and maintain a hierarchical classification structure based on its own set of attributes & values in addition to attributes of Teamcenter Engineering workspace objects. The administrator can define the groups, classes and views that form the classification hierarchy. You can use classification application to add iMAN Classification Objects (ICOs) to the classification hierarchy. You will also define attributes that, when associated with a class, determine the type of information that is stored. This project will support the user while he is defining ICOs and check if combination of their attribute is unique in this class. At present, if the set of attributes is failing in uniqueness within a particular class, simple error dialog is displayed. This simple error dialog will be enhanced so that user can see properties of new ICO & conflicting ICOs

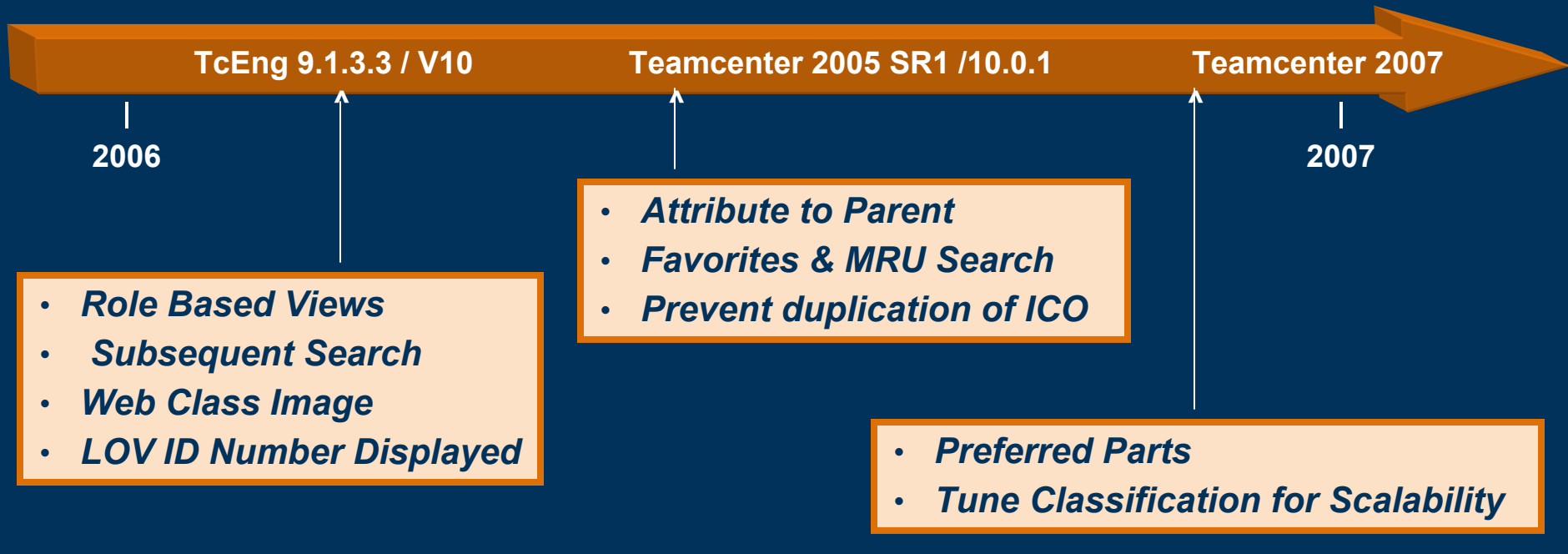
- **Favorites and MRU for Classification Search**
  - The Classification search mechanism saves the user time to find objects within Classification. This feature will allow the user to:
    - Define Favorite Queries" for ICO's
    - Go to "MRU" button to use the last 3 ICO queries
    - Save Classification ICO queries
    - Use saved queries to search for ICO's

Teamcenter 2005 /V10

- **Reference Attributes**
  - This feature displays attributes of the Classified Workspace Object along with attributes of the Classifying ICO. It allows for searching the attributes of the Classified Workspace Object in ICO searches. It allows for other types of Reference Attributes, e.g., Masterform attributes, attributes of other forms, ICO attribute and defining Dictionary Attributes and Classification class attributes as Reference Attributes.

- **Name Search in Thin Client**
  - Name search for class in classification hierarchy in web interface

Classification Roadmap

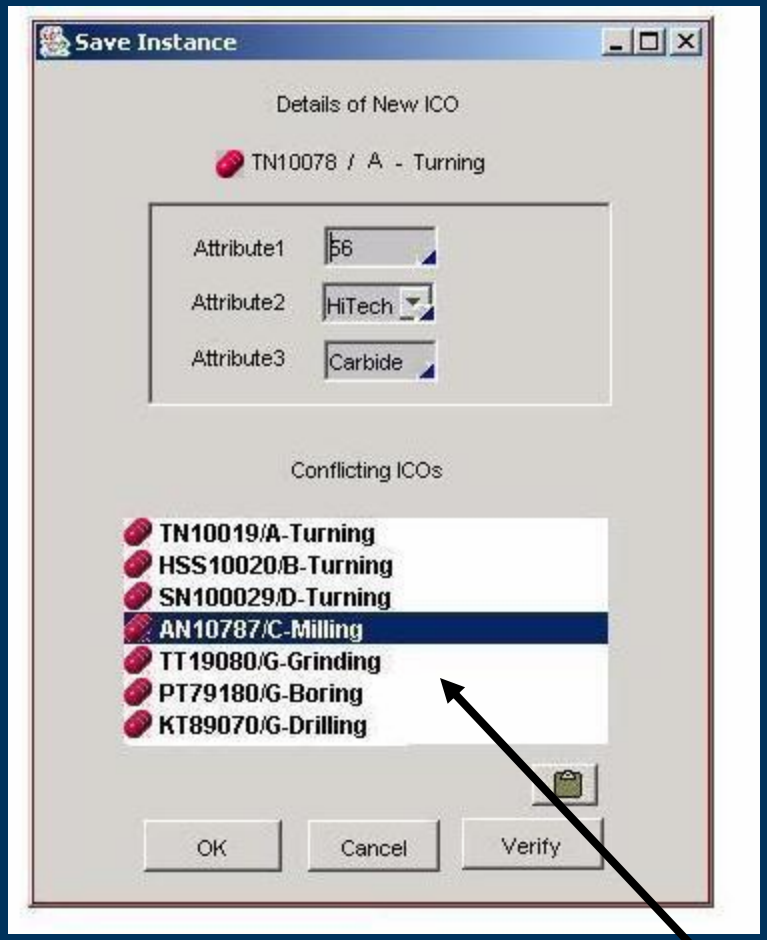


TcEngineering 9.1.3.3/V10 - 2006

- **Role Based Views**
  - Provides the ability to create class views based on roles.
- **Subsequent Search**
  - Classification didn't allow subsequent searching once a particular item was found. Now it allows for a subsequent search from the properties tab.
- **Web Class Image Setting**
  - Whenever a class image was displayed in the TcEng Web for the first time, it displayed the dialog box as small as possible. The image was not viewable until the dialog box was manually enlarged. There is now a setting that can create a larger default size for the class image dialog box
- **LOV ID Number Not Displayed**
  - Allows for hiding the LOV id numbers when one creates an attribute and they are not displayed in the web interface

Prevent duplication of ICO

- This capability supports the user while he is defining ICOs and checks to see if the combination of their in attributes is unique this class
- If the set of attributes is not unique within a particular class, a error dialog is displayed so that user can see properties of new ICO & conflicting ICOs



Display list of conflicting ICOs with their Object ID, revision, name displayed

Favorites & MRU Search

- The search mechanism saves the user time to find objects within Classification. This feature will allow the user to:
  - Define Favorite Queries" for ICO's
  - Go to Most Recently Used "MRU" button to use the last 3 ICO queries
  - Save Classification ICO queries
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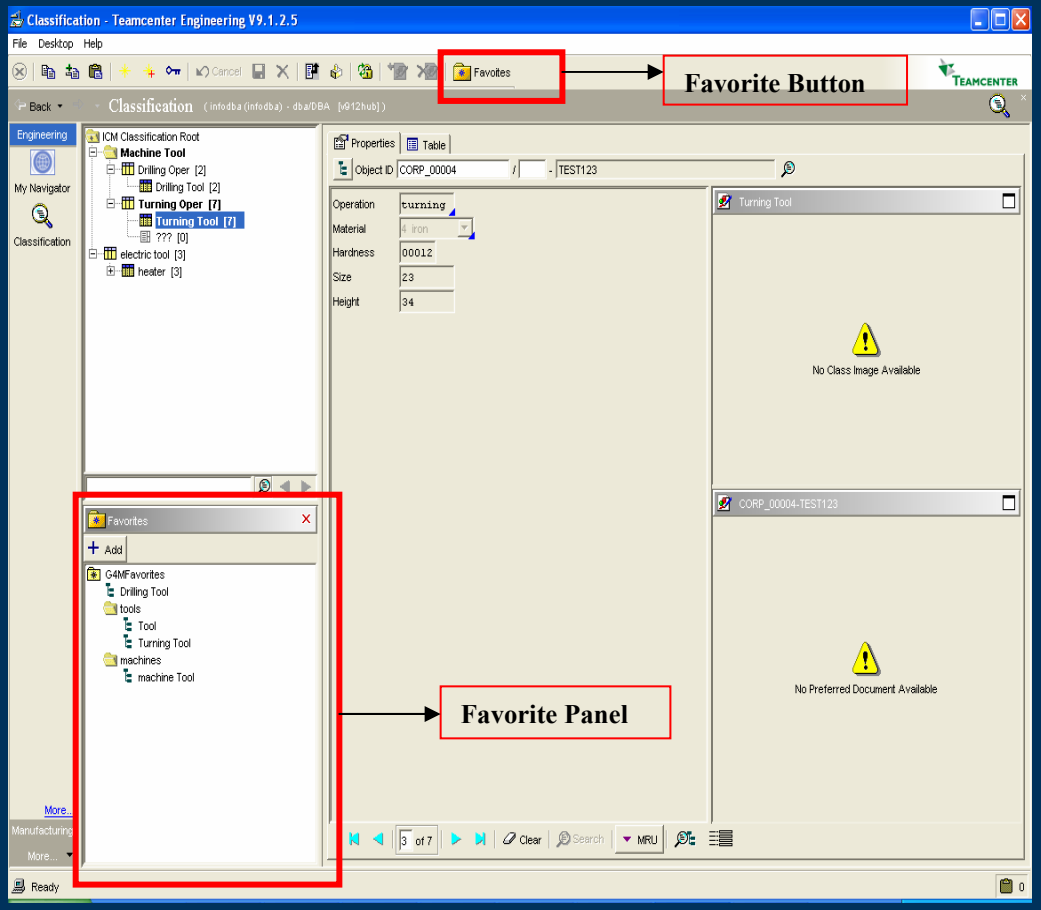
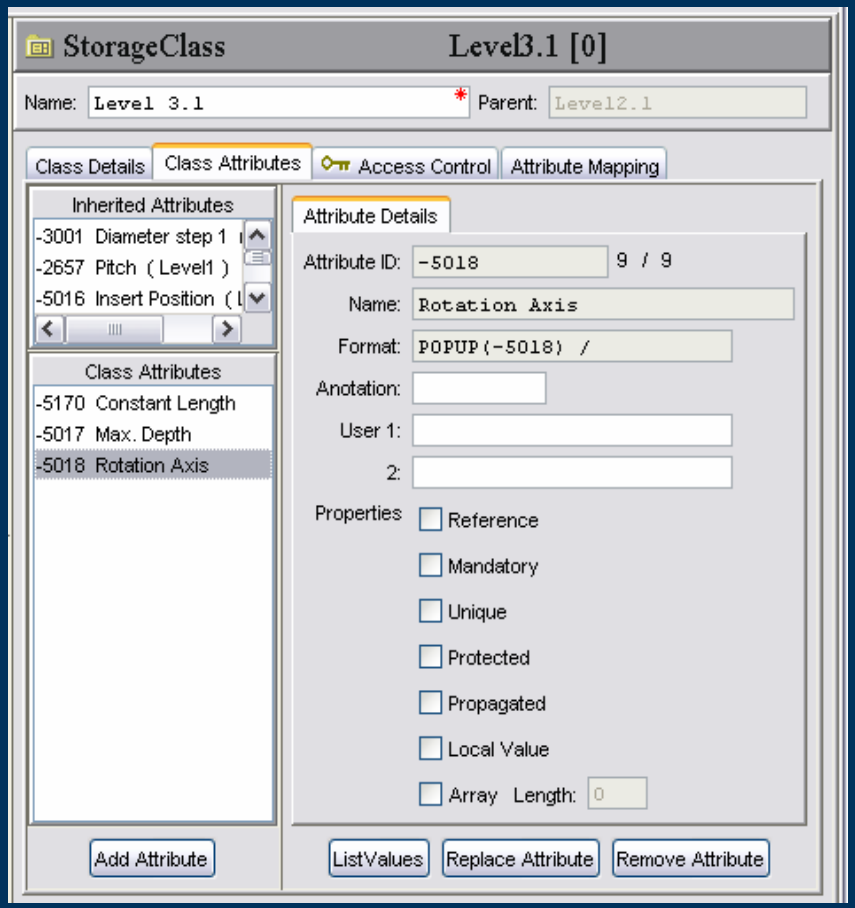


Add Attribute to Parent

- This feature improves the flexibility to interactively change the Classification hierarchy once it is in use.
  - Copy or move class and class hierarchy
  - Add attributes to classes at any level instead of the leave node only
  - Remove attribute's
  - Replace attribute
  - Change legacy SML-Subclasses to the new abstract / storage class structure



Teamcenter 2007

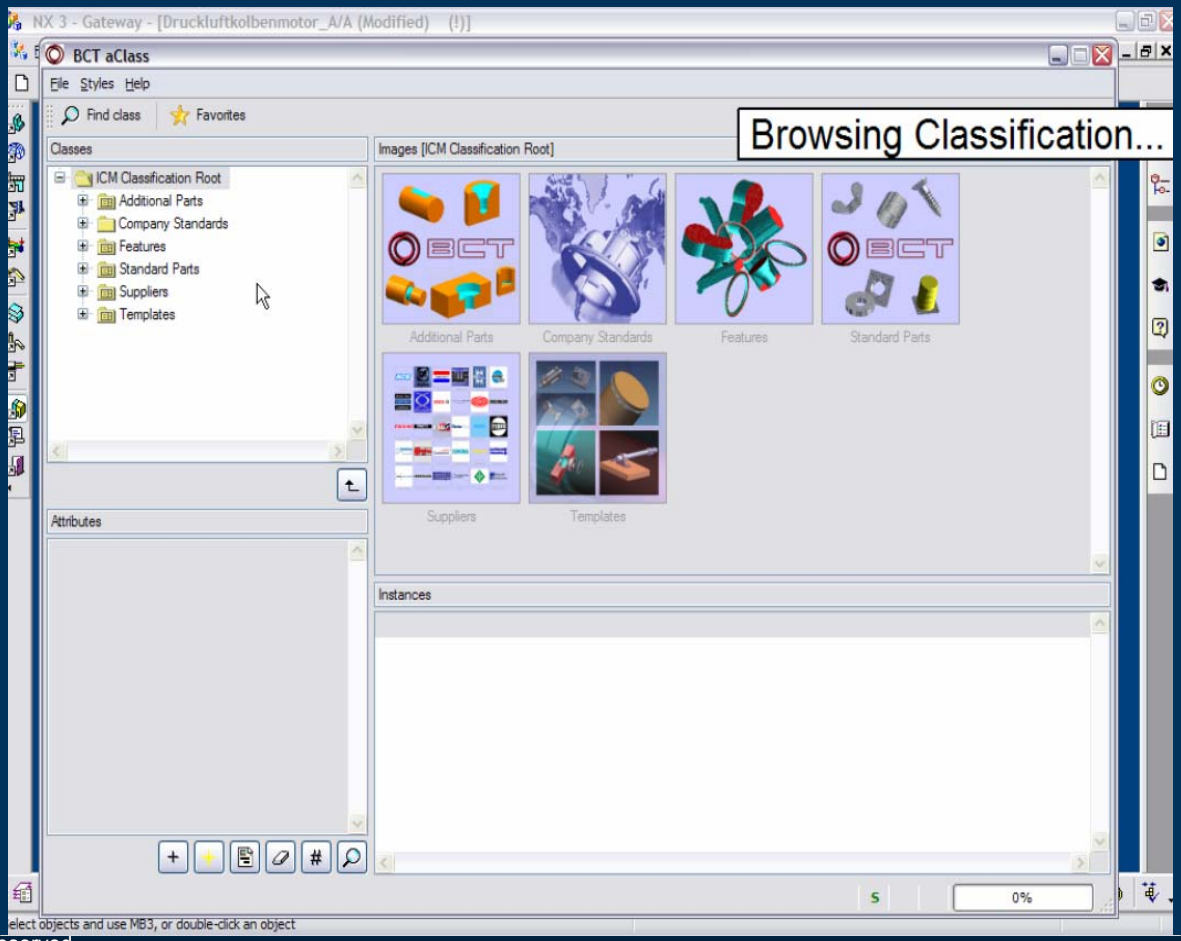
- **Preferred Parts**
  - Preferred Parts (Context based queries) - based on user, group, project, etc. controls which preferred parts are available to user
- **Tune Classification for scalability**
  - Tune the Classification application so it supports large numbers of classifications and parts: 2,000 classification types, 2-10M classified parts (ICOs)

aClass

aClass is a flexible add on module for NX to search and select engineering objects, documents or other information in Teamcenter

Search by:

- Classification
- Characteristic
- Values
- Graphical previews



Contact

- Product Management
  - Carl Megelich
    - Tel: 508.801.4504
    - Email: megelich@ugs.com

Questions?

Thank you