PTC® Live Global

Color Coded Searches, Anyone Can Use and Everyone Can Benefit

Lance Lie
Raytheon Global Business Services

William Cockrell
Raytheon Missile Systems

PTC Live Global
Nashville, TN

Biography

PTC® Live Global

William Cockrell

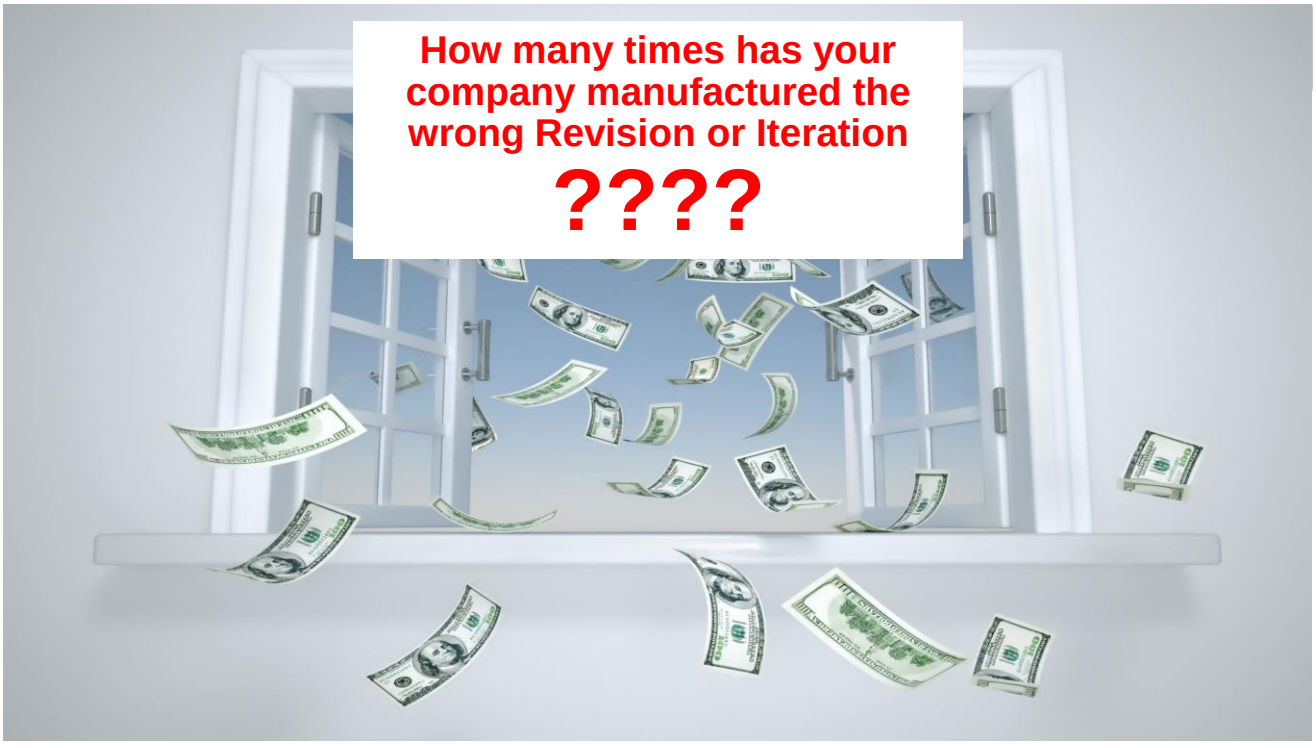
- Began Using Pro/Engineer in 1995 on Rev 14
- Design Experience
  - Root Canal Therapy Equipment
  - Hand tools licensed to Snap-On and Craftsman
  - Light Rail Vehicles for cities in North and South America
  - Missiles, Projectiles, Radar and Satellite Sub-Systems
- Enterprise Activities
  - Common PDM (Windchill)
  - Model Based Enterprise (MBE)
  - National Modeling Team
- MBD Champion for Mechanical Engineering at Raytheon Missile Systems (RMS) in Tucson, Arizona

Biography

PTC Live Global

Lance Lie

- Began Using Pro/Engineer in 1996 on Rev 14
- Design Experience
  - Surgical Equipment
  - Hospital Room Equipment
  - F-35 Pilot pedal system
  - Radars, Un-manned spy plane Sub-Systems
- Enterprise Activities
  - Common PDM (Windchill)
  - Model Based Enterprise (MBE)
  - National Modeling Team
- IT at Global Business Services(GBS) in Fullerton, California



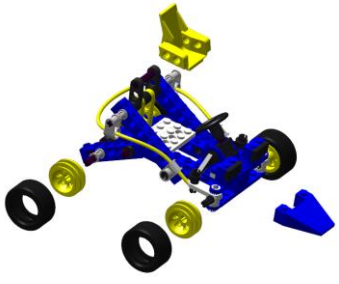
Access from anywhere you have a web browser *

* Must be supported by PTC

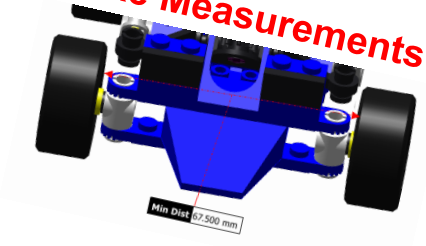
How do you use PTC Creo View?

Pretty Pictures

Explore the Assembly

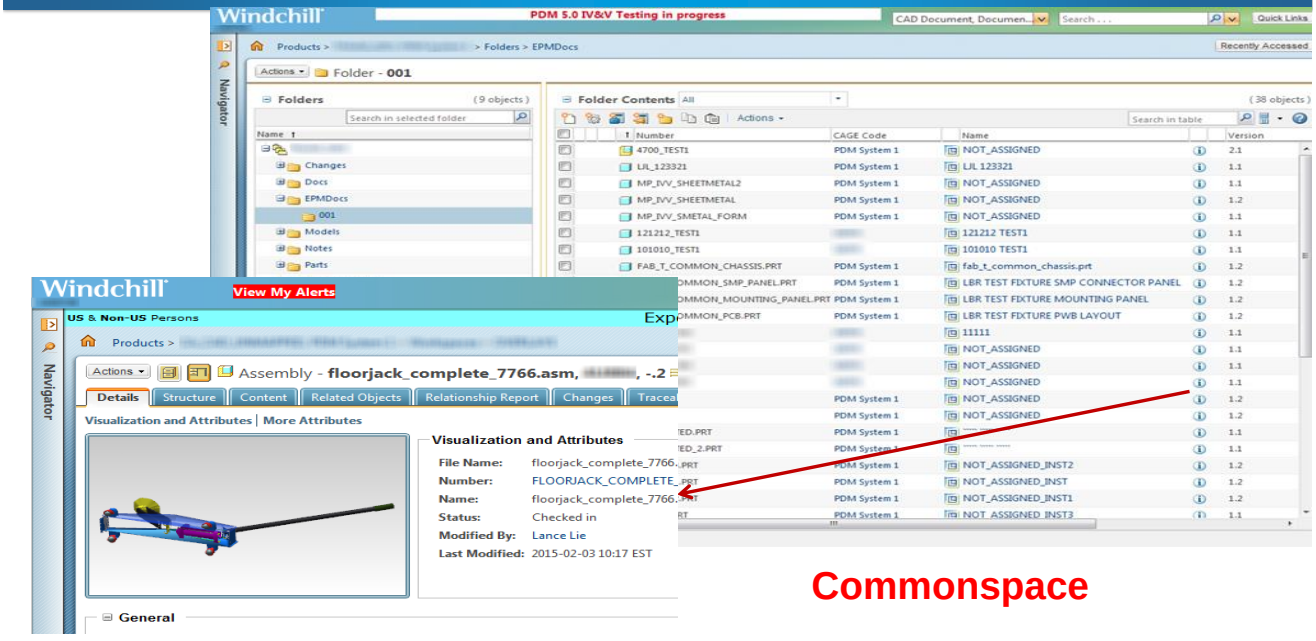


Take Measurements

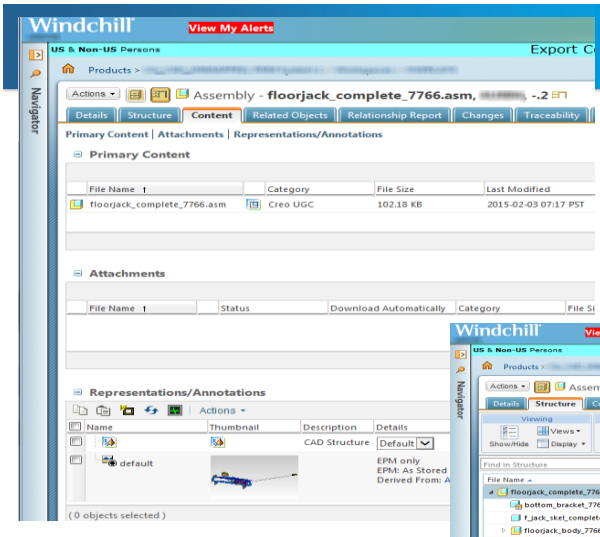


Drawing Overlays

Quick BOM

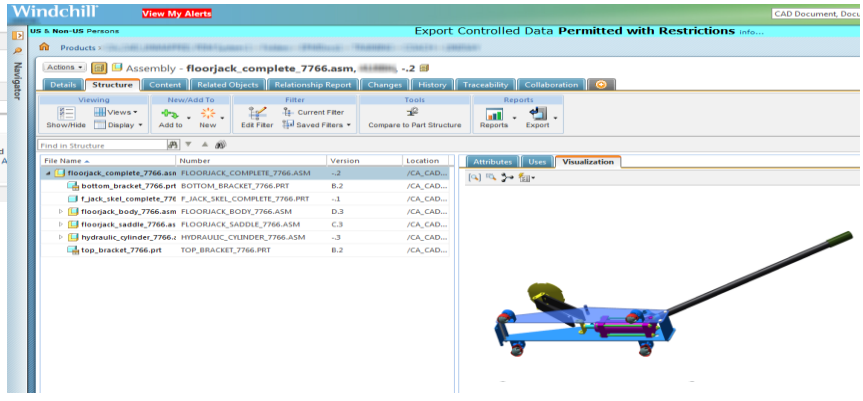


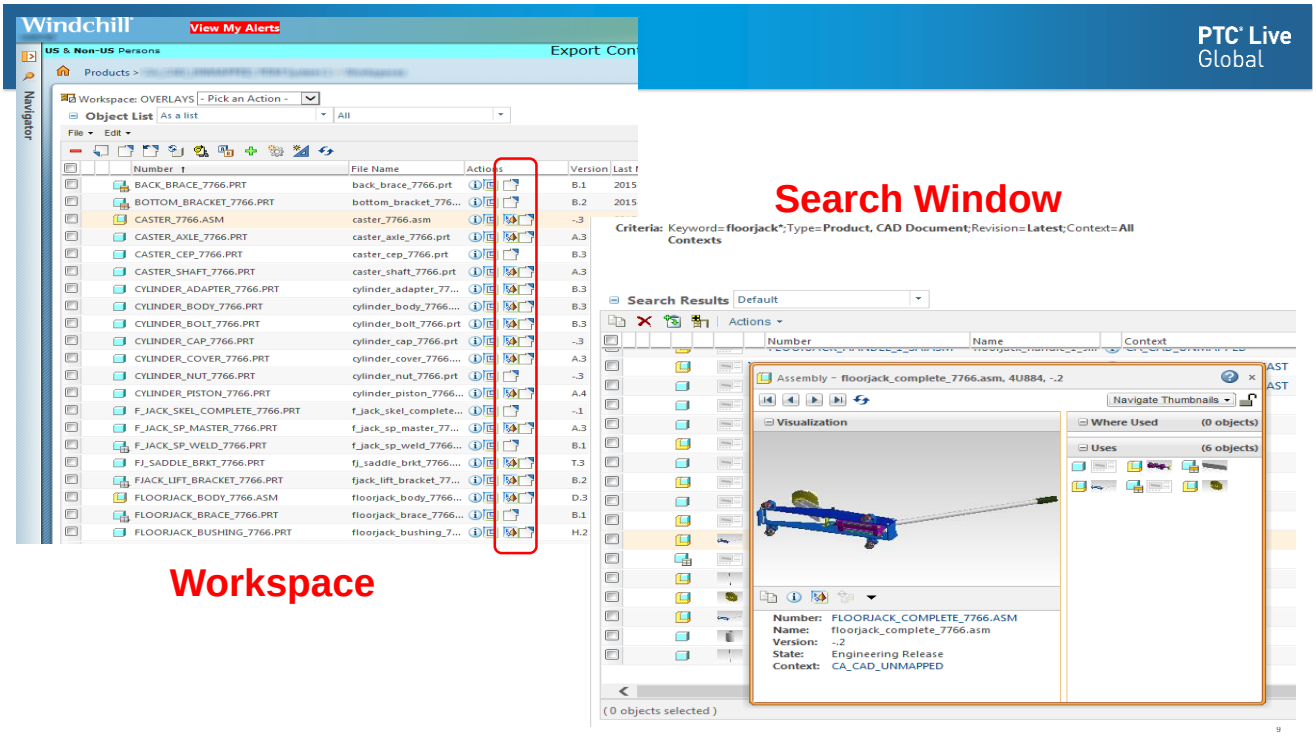
Commonspace

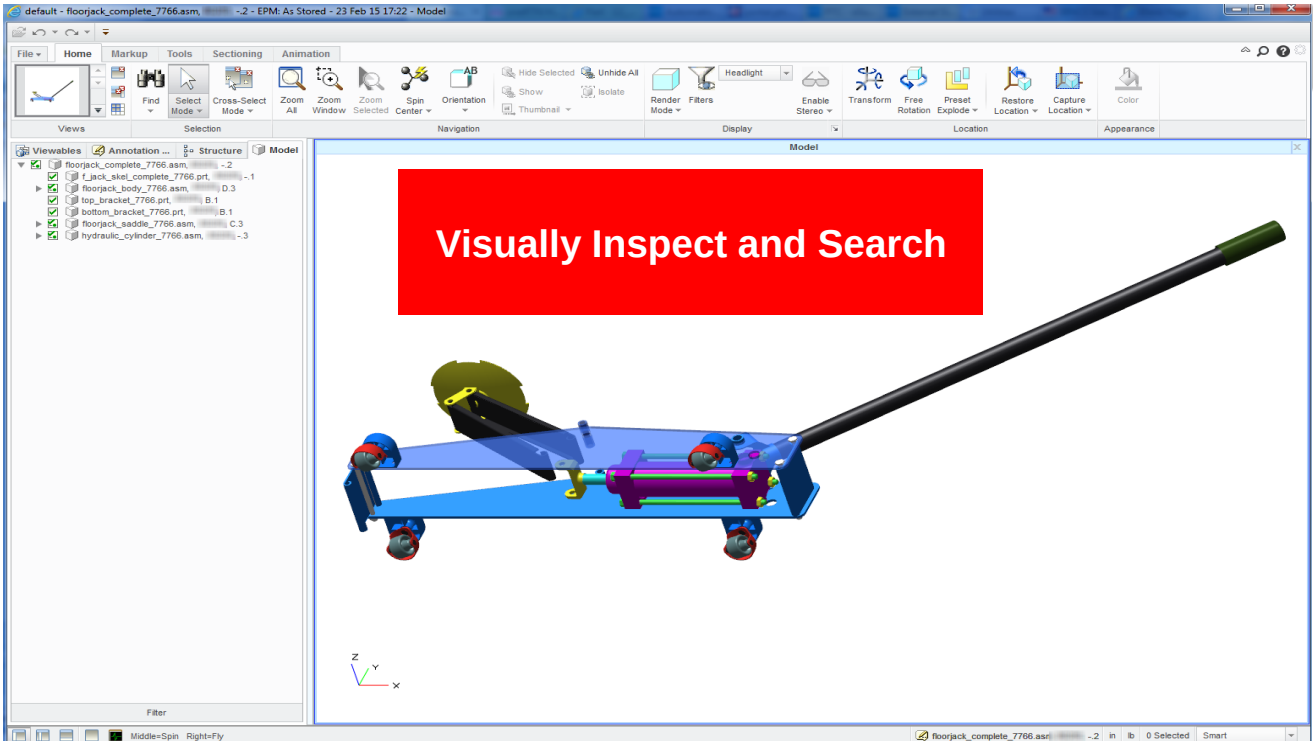


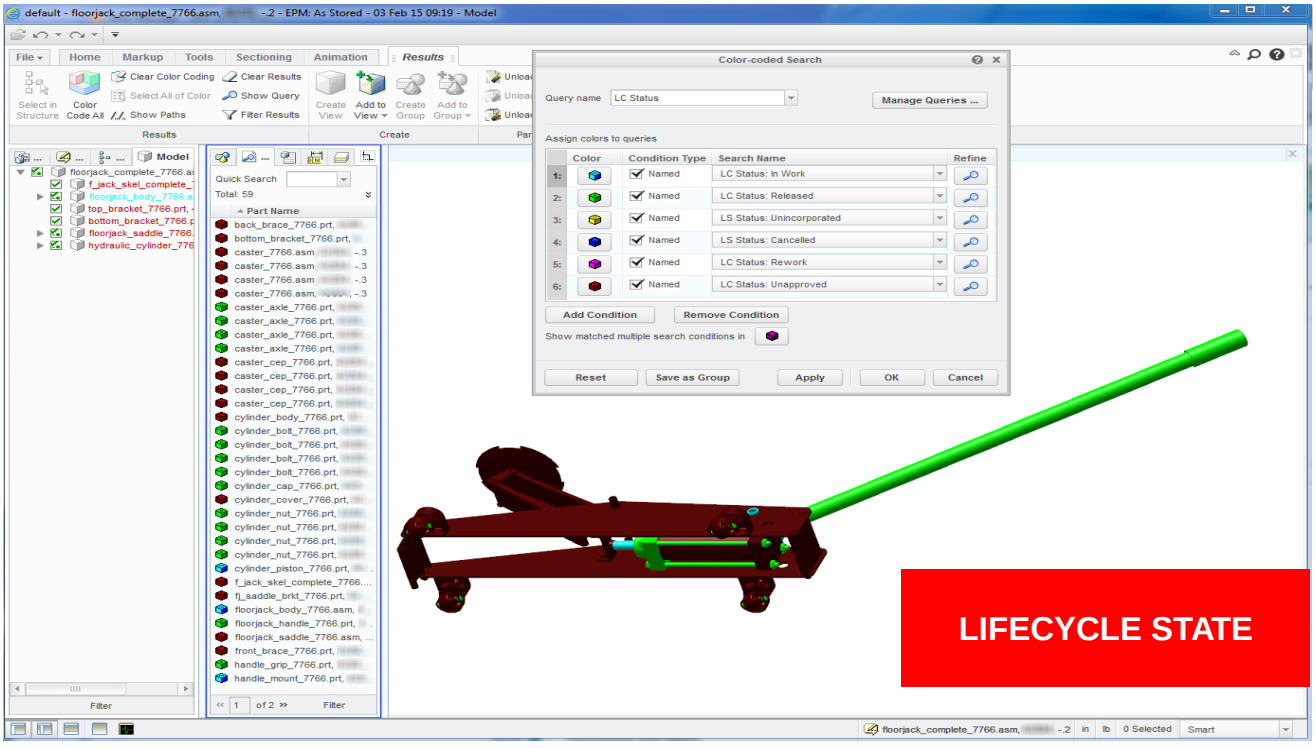
Content Tab

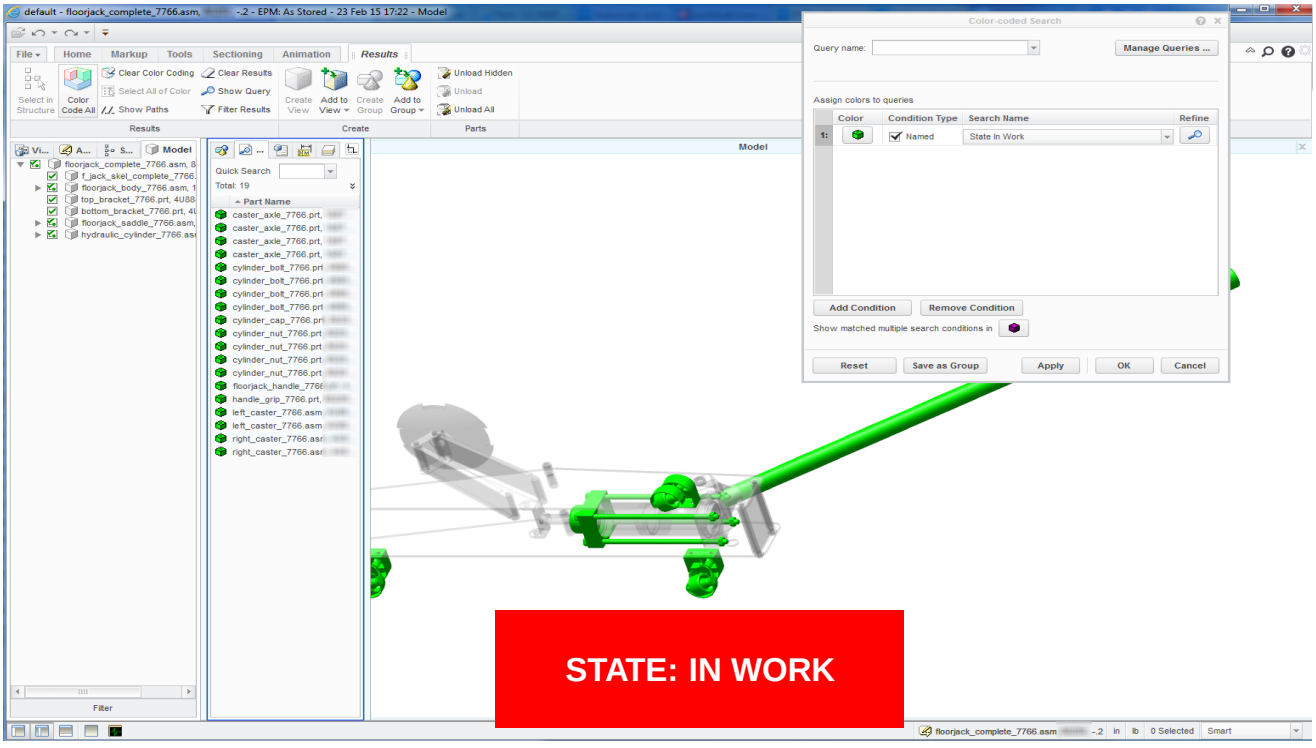
Structure Tab

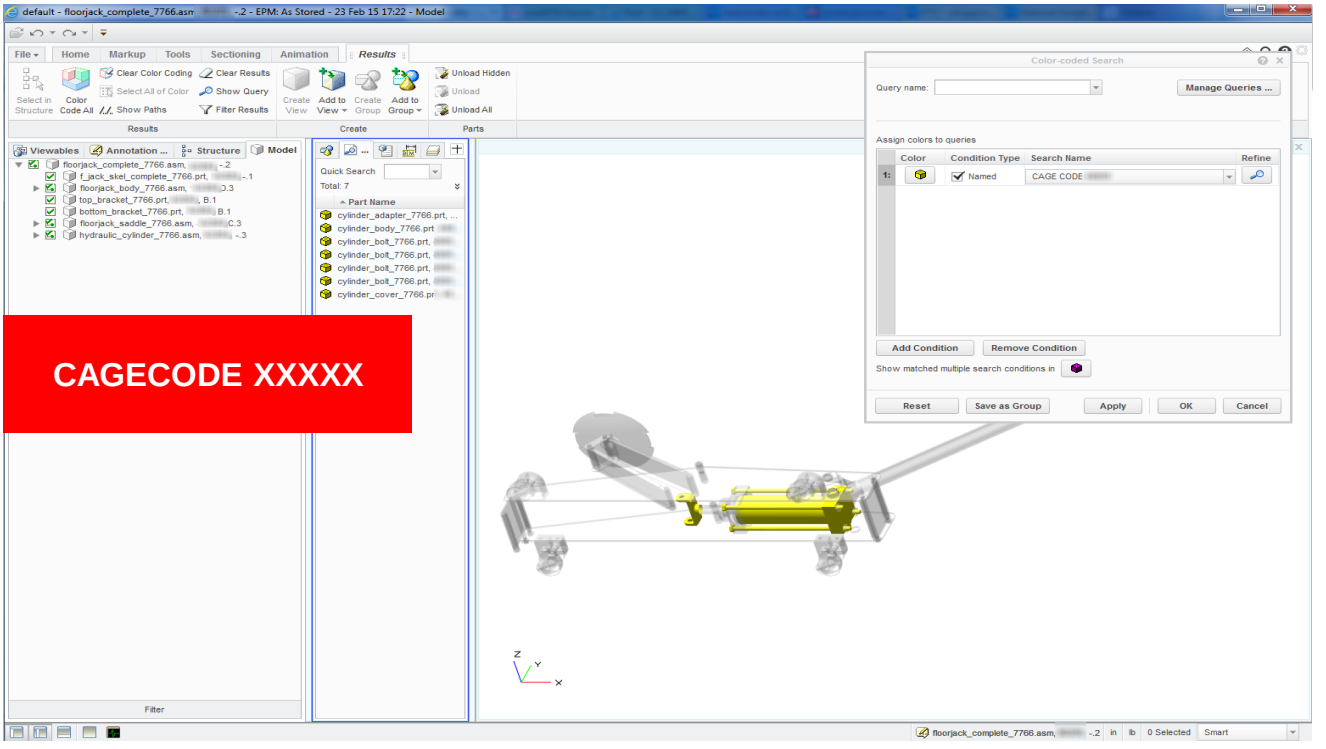


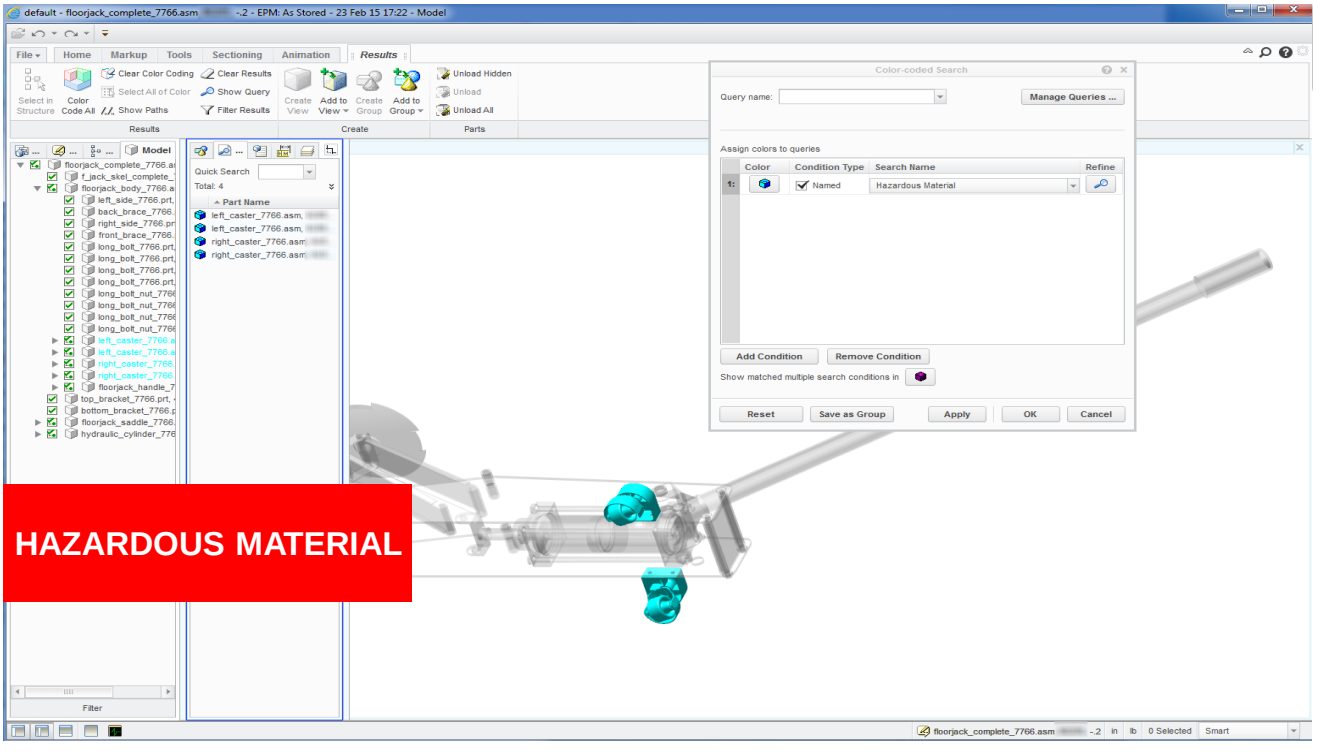

Windchill
View My Alerts
PTC Live Global
Search Window
Workspace
Search Results
Assembly - floorjack_complete_7766.asm, 4U884, -.2
Visualization
Where Used
Uses
Number: FLOORJACK_COMPLETE_7766.ASM
Name: floorjack_complete_7766.asm
Version: -.2
State: Engineering Release
Context: CA_CAD_UNMAPPED


Visually Inspect and Search

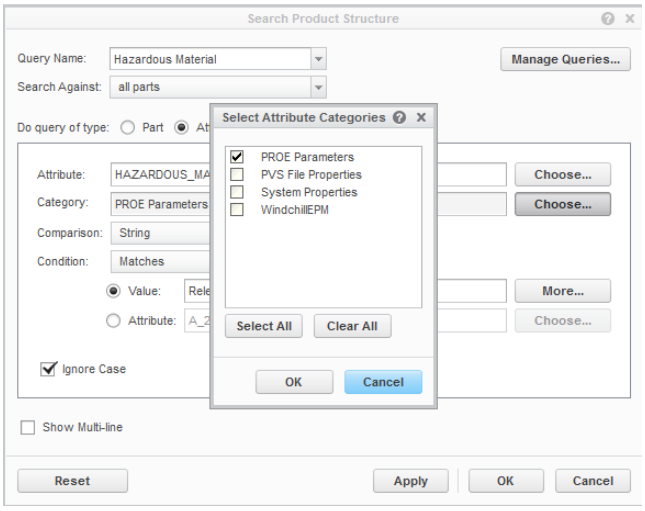

default - floorjack_complete_7766.asm -.2 - EPM: As Stored - 03 Feb 15 09:19 - Model
Color-coded Search
Query name LC Status
Manage Queries ...
Assign colors to queries
Color
Condition Type
Search Name
Refine
1: Named LC Status: In Work
2: Named LC Status: Released
3: Named LC Status: Unincorporated
4: Named LC Status: Cancelled
5: Named LC Status: Rework
6: Named LC Status: Unapproved
Add Condition
Remove Condition
Show matched multiple search conditions in
Reset
Save as Group
Apply
OK
Cancel
LIFECYCLE STATE


default - floorjack_complete_7766.asm -.2 - EPM: As Stored - 23 Feb 15 17:22 - Model
Color-coded Search
Query name:
Manage Queries ...
Assign colors to queries
Color
Condition Type
Search Name
Refine
1: Named State In Work
Add Condition
Remove Condition
Show matched multiple search conditions in
Reset
Save as Group
Apply
OK
Cancel
STATE: IN WORK

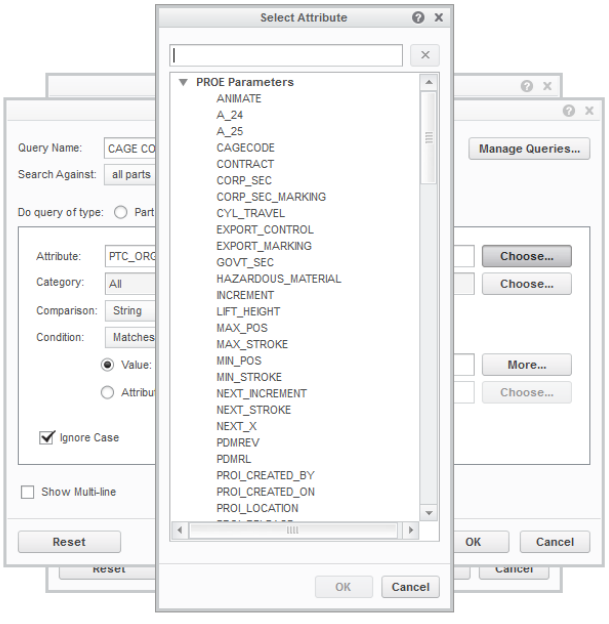

CAGECODE XXXXX
Color-coded Search
Query name:
Manage Queries ...
Assign colors to queries
Color
Condition Type
Search Name
Refine
1:
Named
CAGE CODE
Add Condition
Remove Condition
Show matched multiple search conditions in
Reset
Save as Group
Apply
OK
Cancel


HAZARDOUS MATERIAL
Color-coded Search
Query name:
Manage Queries ...
Assign colors to queries
Color
Condition Type
Search Name
Refine
1:
Named
Hazardous Material
Add Condition
Remove Condition
Show matched multiple search conditions in
Reset
Save as Group
Apply
OK
Cancel

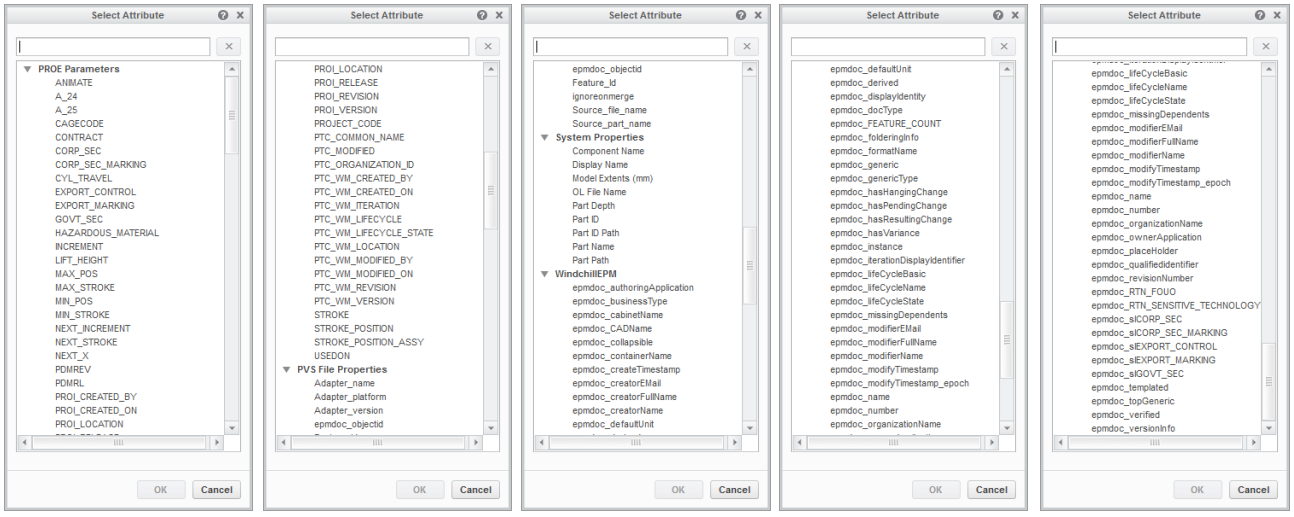
SEARCH BY ATTRIBUTES



SEARCH BY ATTRIBUTES



WHAT ARE MY ATTRIBUTES



SearchQueryDict.xml

```
<query_dictionary>
    <simple_query query_name="State Unapproved" query_scope="0" query_multi_id="0" query_domain="mcad" >
    <query_line line_param_type="line_instance_match_property" line_param_eval_order="0" line_param_logical="2" comp_param_categories=";;" comp_param_property_id=";;PROE Parameters;;A_24" co
</simple_query>

    <simple_query query_name="State Released" query_scope="0" query_multi_id="0" query_domain="mcad" >
    <query_line line_param_type="line_instance_match_property" line_param_eval_order="0" line_param_logical="2" comp_param_categories=";;" comp_param_property_id=";;PROE Parameters;;A_24" co
</simple_query>

    <simple_query query_name="State Under Review" query_scope="0" query_multi_id="0" query_domain="mcad" >
    <query_line line_param_type="line_instance_match_property" line_param_eval_order="0" line_param_logical="2" comp_param_categories=";;" comp_param_property_id=";;PROE Parameters;;A_24" co
</simple_query>

    <simple_query query_name="State In W
    <query_line line_param_type="line_in                                                                                                                                    aram_property_id=";;PROE Parameters;;A_24" co
</simple_query>

    <simple_query query_name="State Pend
    <query_line line_param_type="line_in                                                                                                                                    aram_property_id=";;PROE Parameters;;A_24" co
</simple_query>

    <simple_query query_name="State Unap
    <query_line line_param_type="line_in                                                                                                                                    aram_property_id=";;PROE Parameters;;A_24" co
</simple_query>

    <simple_query query_name="Hazardous
    <query_line line_param_type="line_in                                                                                                                                    comp_param_use_categories="true" comp_param_
</simple_query>

    <simple_query query_name="CAGE CODE [redacted]" query_scope="0" query_multi_id="0" query_domain="mcad" >
    <query_line line_param_type="line_instance_match_property" line_param_eval_order="0" line_param_logical="2" comp_param_categories=";;" comp_param_property_id=";;PROE Parameters;;A_24" co
</simple_query>

    <simple_query query_name="CAGE CODE [redacted]" query_scope="0" query_multi_id="0" query_domain="mcad" >
    <query_line line_param_type="line_instance_match_property" line_param_eval_order="0" line_param_logical="2" comp_param_categories=";;" comp_param_property_id=";;PROE Parameters;;A_24" co
</simple_query>

    <simple_query query_name="CAGE CODE [redacted]" query_scope="0" query_multi_id="0" query_domain="mcad" >
    <query_line line_param_type="line_instance_match_property" line_param_eval_order="0" line_param_logical="2" comp_param_categories=";;" comp_param_property_id=";;PROE Parameters;;A_24" co
</simple_query>

</query_dictionary>
```

EASILY WRITE YOUR OWN SEARCH CRITERIA

Important Take Aways

PTC Live Global

- Search data stored in PTC Windchill
- Publishing MCAD data at every check-in.
- One simple step could save THOUSANDS
- Search pushed out through PTC Windchill
- Supports ***"Design Anywhere, Build Anywhere, Support Anywhere"***

PTC Live Global

- Your feedback is valuable
- Don't miss out on the chance to provide your feedback
- Gain a chance to win an instant prize!
- Complete your session evaluation now

PTC® Live Global
PTC® PRODUCT & SERVICE ADVANTAGE®