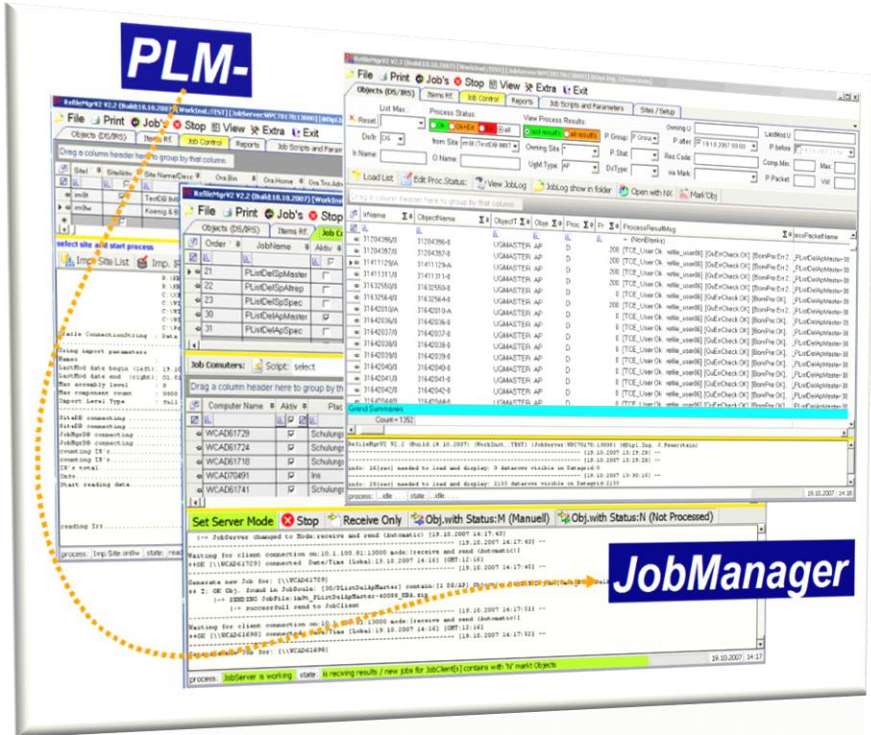


Company introduction addPLM – GmbH



Automated PLM Data processing

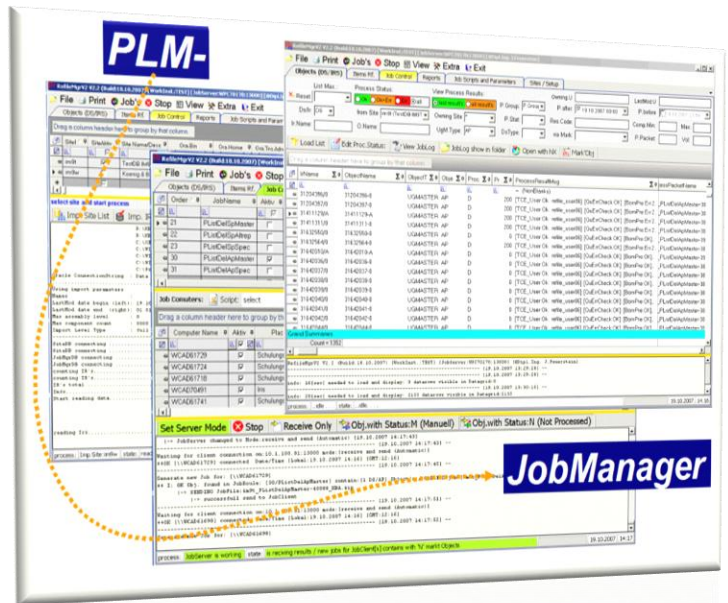
Historie

Bios Josef Feuerstein:

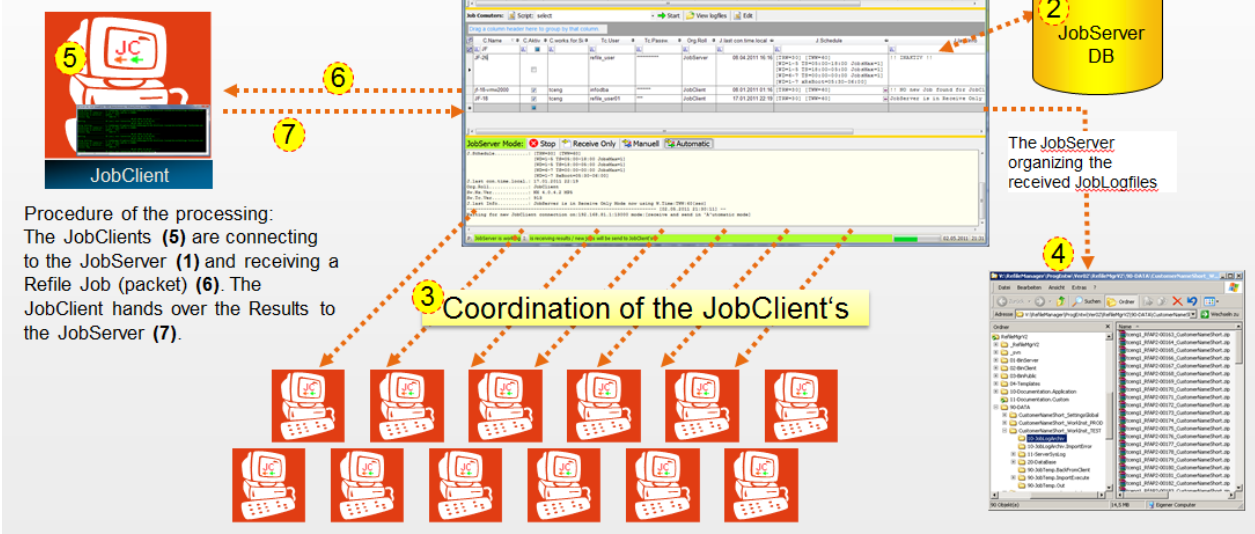
- **Education: Dipl.Ing (FH) Mechanical Engineering**
- **1992 Start working with CAD Systems**
Main System: Bravo 3 Schlumberger - Applicon / with VMS Digital Workstation
- **1995 Start own Company (Dipl.Ing J.Feuerstein)**
Main focus: CAD System programming CAD consulting
- **1999 Start working with UGV17/IMANV5 NX/TC**
 - **NX / TC company method development**
 - **NX / TC consulting training's and documentation**
- **2004 First PartUpdate project at Company Koenig & Bauer AG (~250.000 Parts) in TC Multisite environment**
- **2005 Consulting partner UGS / SPLM**
Main focus: Mass data processing // NX - PartUpdate // CMM Migration // TC-Migration
- **2011 founding addPLM – GmbH**

Product: PLMJobManager

Software to process, and analyse mass data in PLMSystems



The JobServer (1) will be located at one of your locations. It organizes the JobServer-DB (2) organizes all JobClients (3) and storage of the Refile results. (4)



Procedure of the processing:
 The JobClients (5) are connecting to the JobServer (1) and receiving a Refile Job (packet) (6). The JobClient hands over the Results to the JobServer (7).

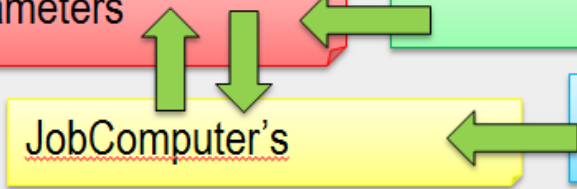
3 Coordination of the JobClient's

Scripts Programs config's and parameters

List of Data to process
 @DB/4711/A ..
 @DB/4712/A ..

JobComputer's

Evaluation of process data

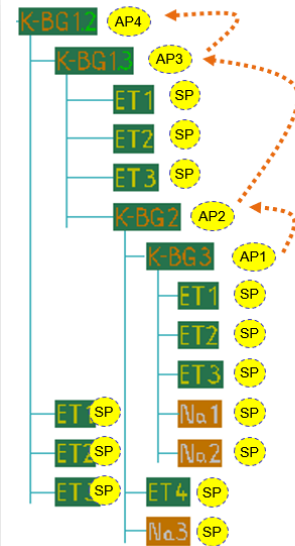


Process: NXPartUpdate

Automation to Update NX-Data



Bottom - Up Prinzip:

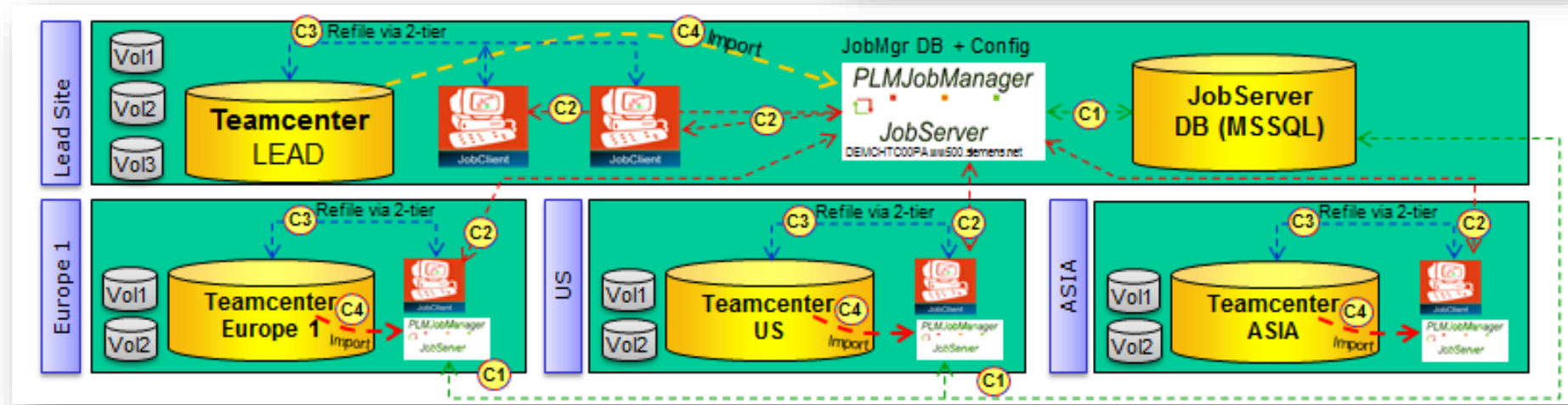


The Part-Update of the Nx Data should be done via Bottom Up Principle.

The advance is that the Update of Assembly is systematic processed from Bottom Up. It reduces the update time and improves the final Data quality

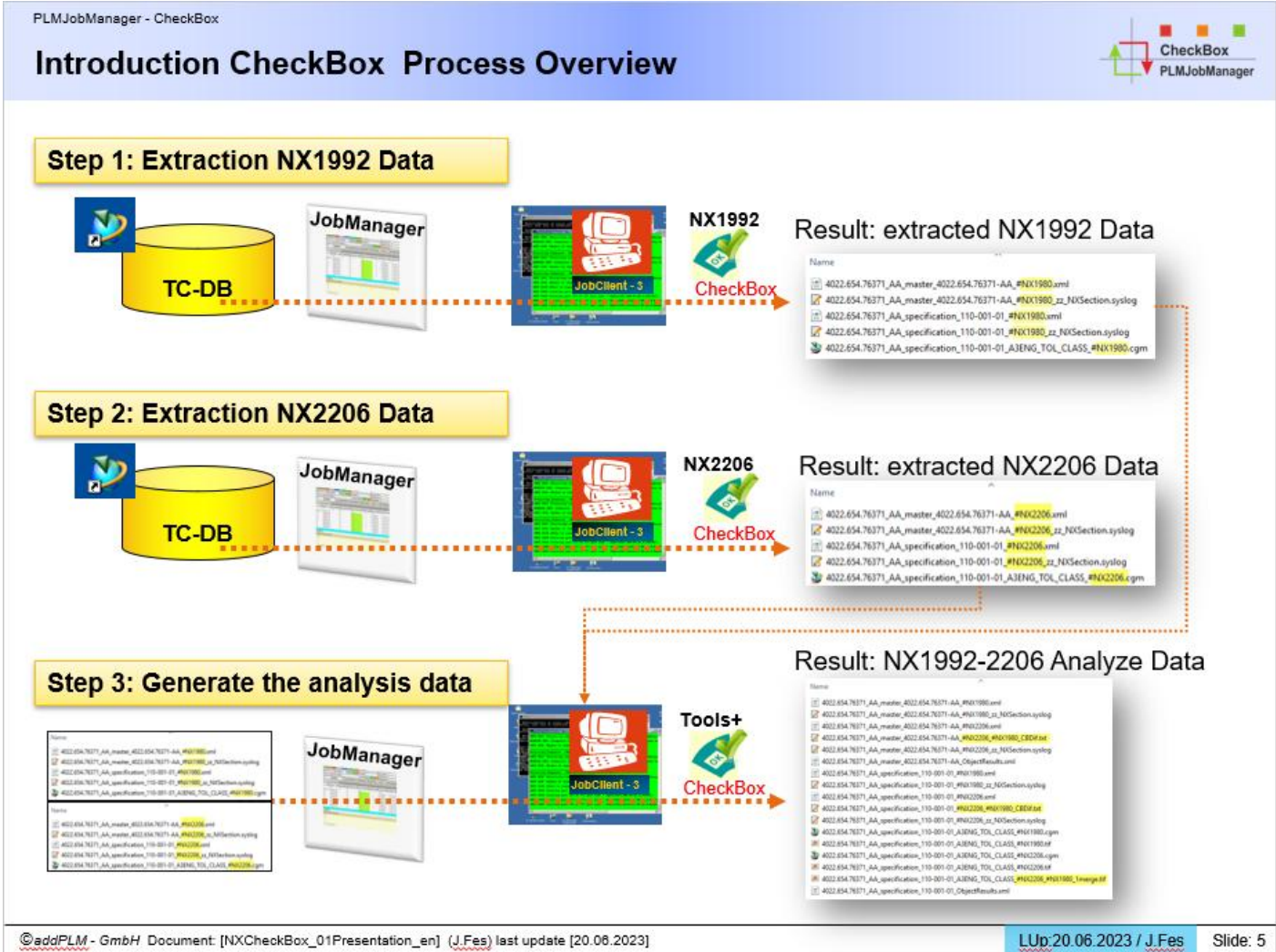
Therefore the Parts and Processed in this order:

- First all = Single Part's (SP)
 - All Assembly's (AP) started with the lowest mound of levels and components.
- | | | |
|-----|---------------|--------------|
| AP1 | has 1 Level | 5 Component |
| AP2 | has 2 Level's | 8 Component |
| AP3 | has 3 Level's | 12 Component |
| AP4 | has 4 Level's | 16 Component |



Process: NXCheckBox

CheckBox automation to compare NX-Data

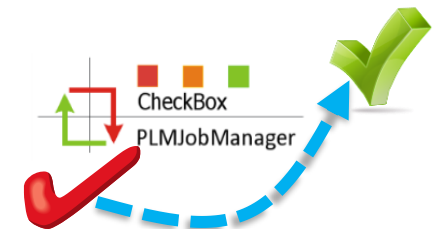


Process: NXCheckBox

Benefits for using CheckBox



- ✓ Getting overview about your NX - TC Data Quality
- ✓ Getting overview about NX – TC Software Quality
- ✓ Helps to setup NX - TC customer settings
- ✓ Helps to find issues before designers working with the new NX – TC Version
- ✓ Helps to keep the value of PLM Data
- ✓ Reduces cost's “after upgrade” because Data and software issues can be better identified and solved before upgrade.
- ✓ Reduces Upgrade risks



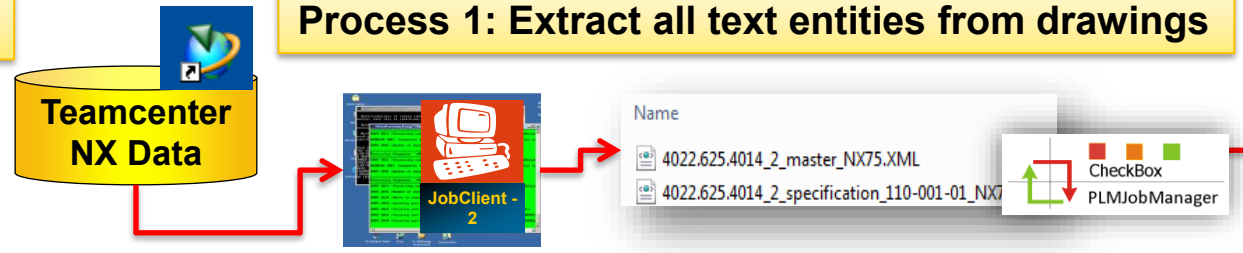
Process: Drawing Text Indexing

Workflow System - sketch

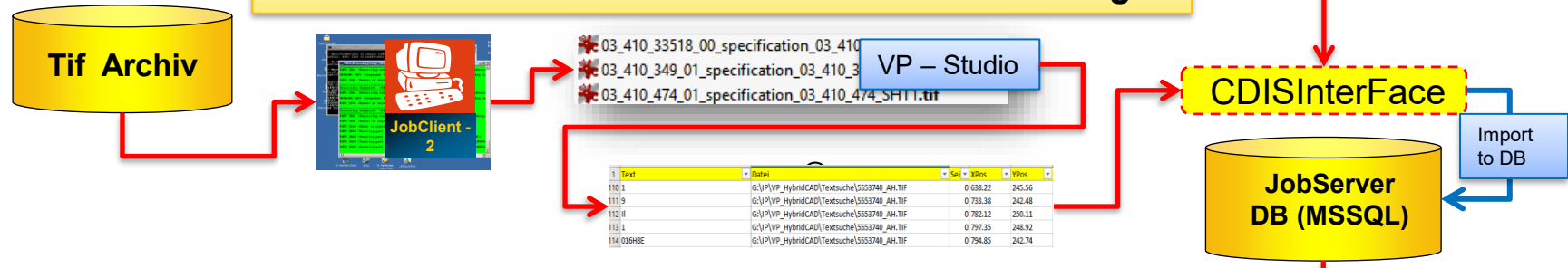


Process Level

Process 1: Extract all text entities from drawings

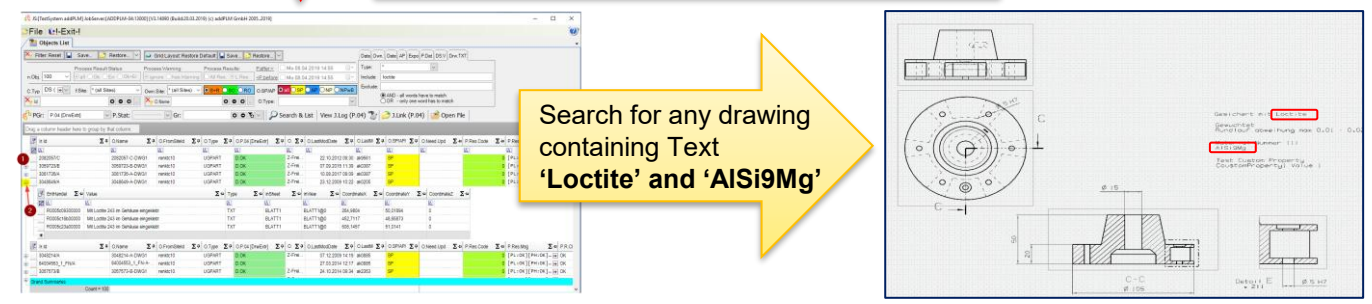


Process 2: Extract all text entities from .tif drawings



Search for drawings via text entities

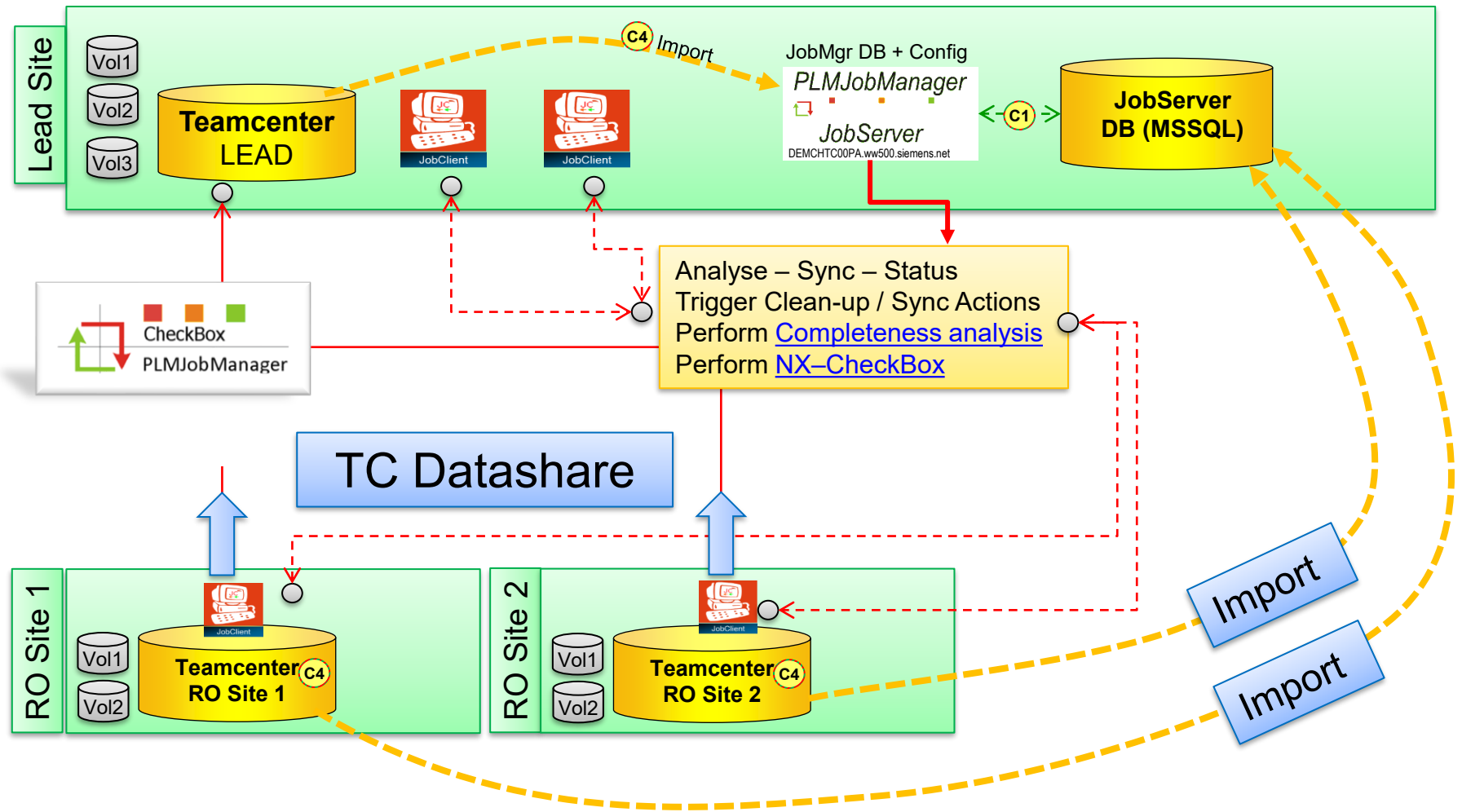
User Level



This method makes it possible to capture all texts from all NX drawings + Tif drawings. The drawings can be found using search terms.

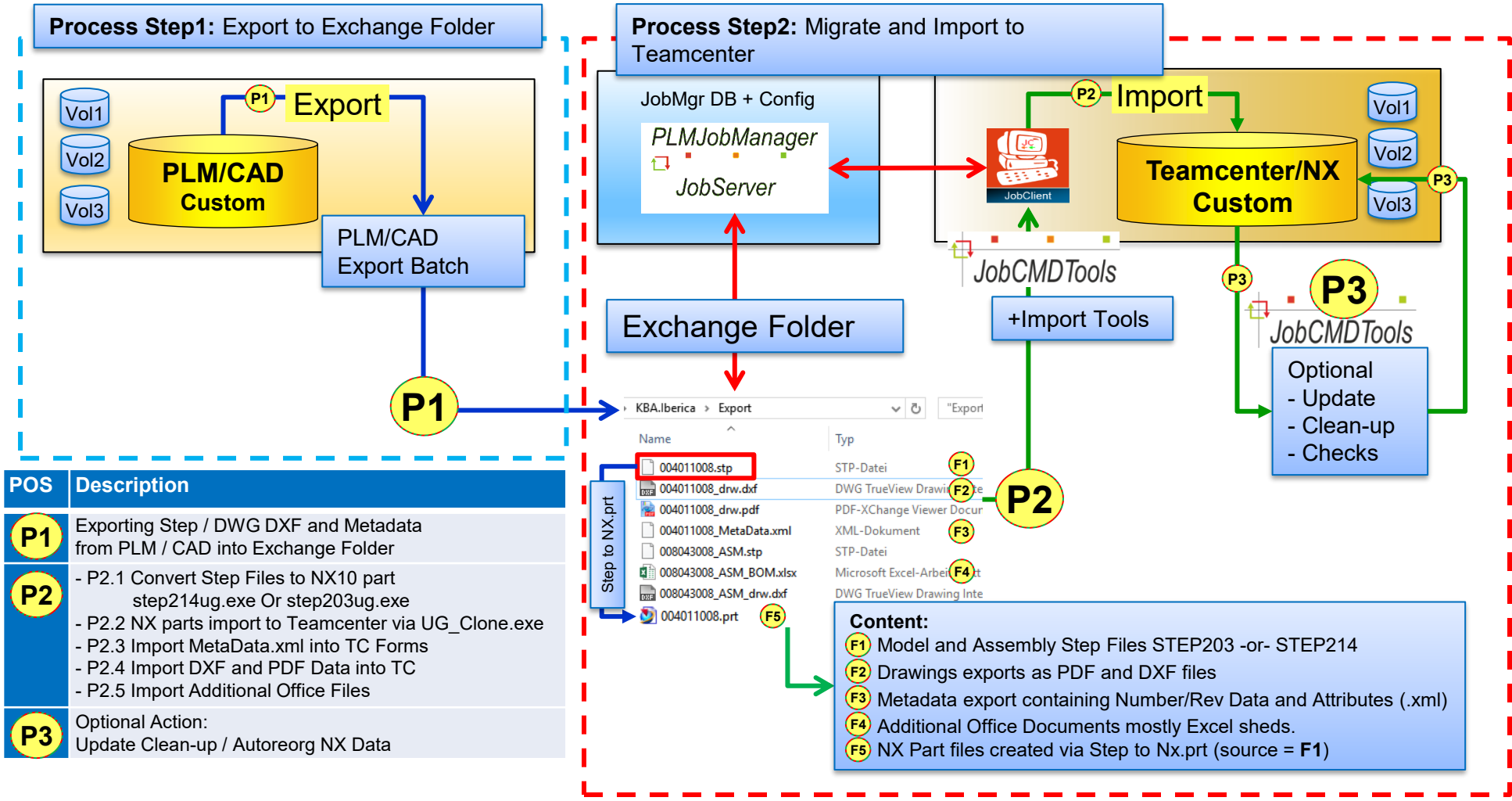
Process: TC Site Consolidation

Automation to consolidate TC-Sites



Process: Migrate Step Data as NX Parts to TC

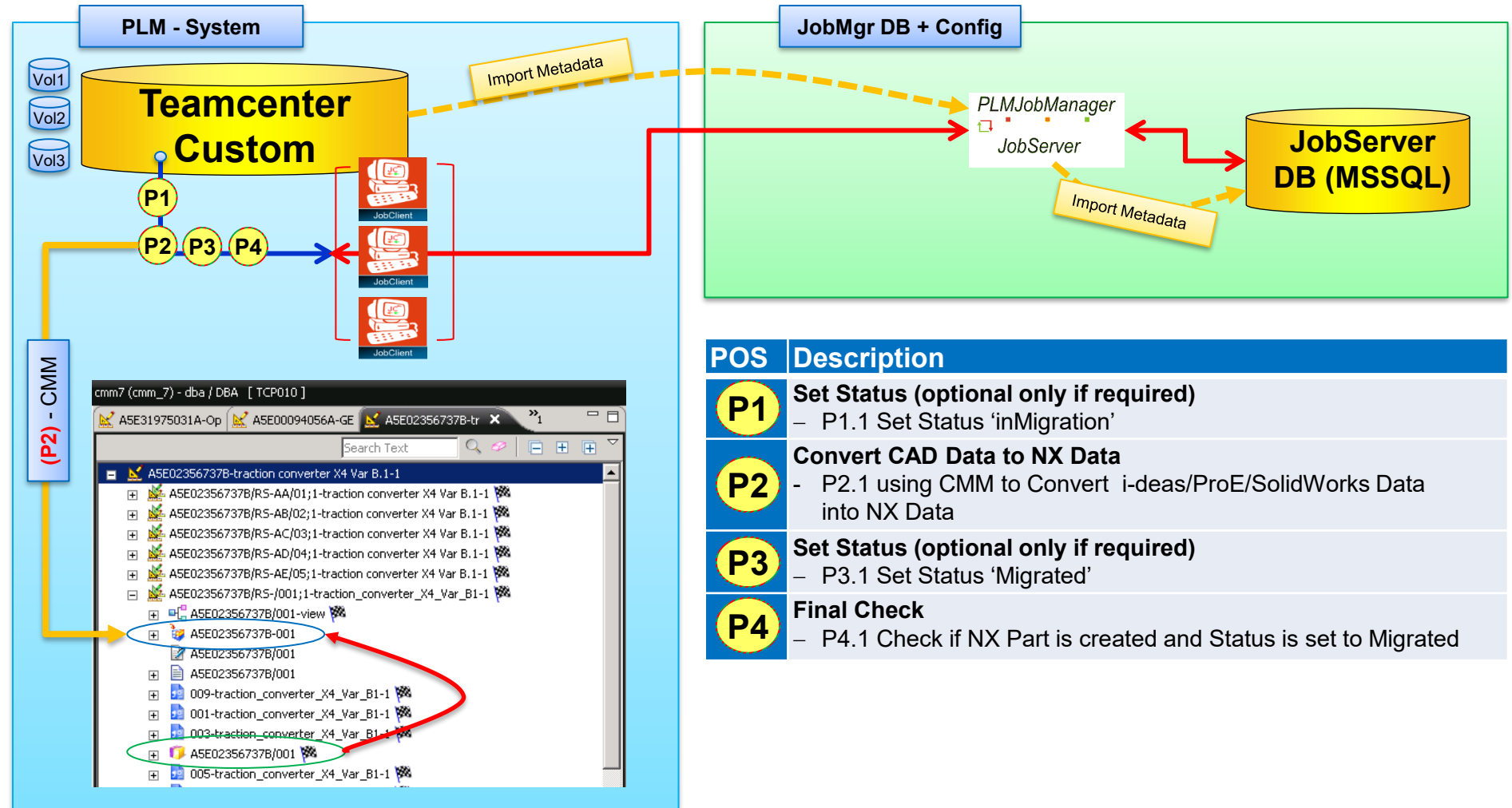
Workflow System - sketch



| POS | Description |
|-----------|--|
| P1 | Exporting Step / DWG DXF and Metadata from PLM / CAD into Exchange Folder |
| P2 | - P2.1 Convert Step Files to NX10 part step214ug.exe Or step203ug.exe - P2.2 NX parts import to Teamcenter via UG_Clone.exe - P2.3 Import MetaData.xml into TC Forms - P2.4 Import DXF and PDF Data into TC - P2.5 Import Additional Office Files |
| P3 | Optional Action: Update Clean-up / Autoreorg NX Data |

Process: Migrate CAD parts as NX Parts via CMM in TC

Workflow System - sketch



| POS | Description |
|-----------|--|
| P1 | Set Status (optional only if required) – P1.1 Set Status 'inMigration' |
| P2 | Convert CAD Data to NX Data – P2.1 using CMM to Convert i-deas/ProE/SolidWorks Data into NX Data |
| P3 | Set Status (optional only if required) – P3.1 Set Status 'Migrated' |
| P4 | Final Check – P4.1 Check if NX Part is created and Status is set to Migrated |

Produkt: PLM Performance Monitoring and Analysis



Long-term /
 Time Span
 - View



US/NX

Austria

India

Business content addPLM - GmbH:

**The company has the business activity in PLM environment.
With the main focus in mass data processing of NX and Teamcenter Data.**

Services in PLM NX and Teamcenter:

- Project analyses and consultation
- Project Acquiring and realization
- Project support documentation

Description off typical consulting services:

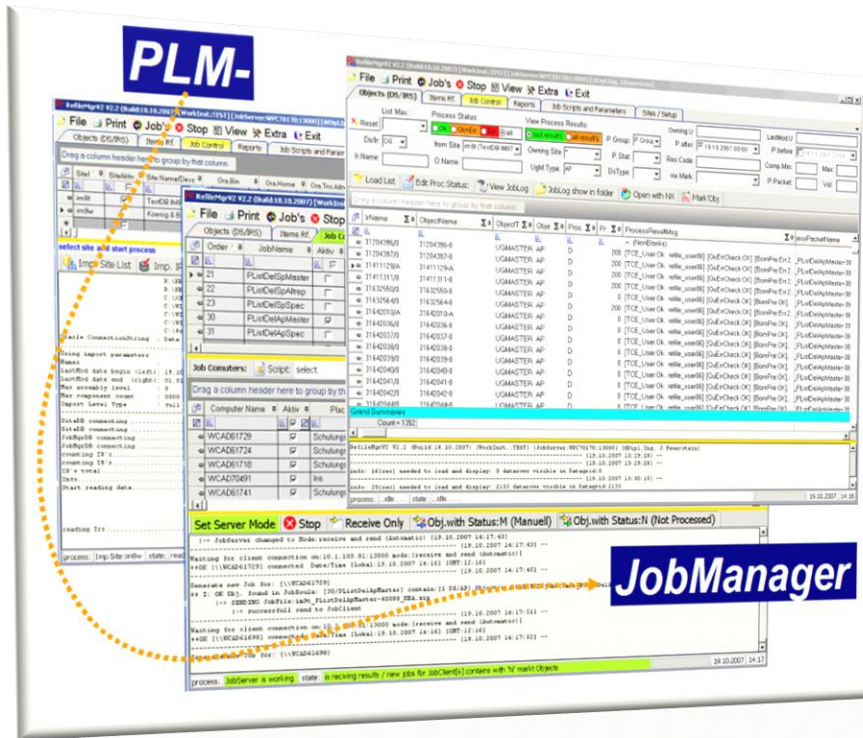
- Nx PartUpdate und CheckBox Projekte
- TC Multisite Data migration → TC Site Consolidation
- Data migration CAD to NX via CMM processes
- PLM Performance analyse for TC/NX

Product: PLMJobManager

- Software Development
- Optimization Refile and CheckBox process
- Enhancing generic Job processing methods

Product: PLM Performance Analyse

- Software Development
- Enhancing generic Job processing methods



Contact addPLM – GmbH
Person: Josef Feuerstein
Mail: Josef.Feuerstein@addPLM.com
Phone: +49-6682-9191-01 // 0176-2216-1006
Web: www.addPLM.com

