

This document clarifies the differences of the Handling of SIMATIC BATCH between PCS7 V6 SP2 and SP3. It helps to master the version PCS7 V6 SP3 in very efficiencies way. In principle the procedure is unchanged, merely the calls and views of the individual options/functions are different in SP2 and SP3.

The single chapters are built up so, that the procedure is represented first in the SP2 and then that one of the SP3.

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## 1. Authorization

### 1.1 PCS7 V6.0 SP2

The screenshot displays the SIMATIC Manager interface. The 'AuthorSW' window is open, showing a list of 14 authorizations on the left and an empty list on the right. A red arrow points from the 'AuthorSW' entry in the Start menu to the 'AuthorSW' window. The Start menu is open, showing the 'SIMATIC' folder expanded to 'AuthorSW'. The taskbar shows several open applications, including 'SIMATIC RC-Server [Engineering]', 'Computer Management', 'SIMATIC Manager - CHE...', and 'D:\Korhoff\PCS7\_SP2\_B...'. The system tray shows the date and time as 14:05.

**AuthorSW**

Product	Count
SIK/SIMATIC CFC V6.0 (3000)	1
SIK/SIMATIC NET IE SOFTNET-S7	1
SIK/SIMATIC NET Industrial Ethernet-S7	1
SIK/SIMATIC NET PROFIBUS-S7	1
SIK/SIMATIC NET S7-REDCONNECT	1
SIK/SIMATIC S7 H Systems V5.2	1
SIK/SIMATIC S7-SCL V5.1	1
SIK/SIMATIC SFC V6.0	1
SIK/SIMATIC SFC-Visualization V6.0	1
SIK/SIMATIC STEP 7-BASIS V5.2	1
SIK/SIMATIC WINCC Advanced Process Ctl	1
SIK/SIMATIC WINCC Redundancy	1
SIK/SIMATIC WINCC Server	1
SIK/SIMATIC WINCC-V6 RC 64K PTg 512 ATg	1

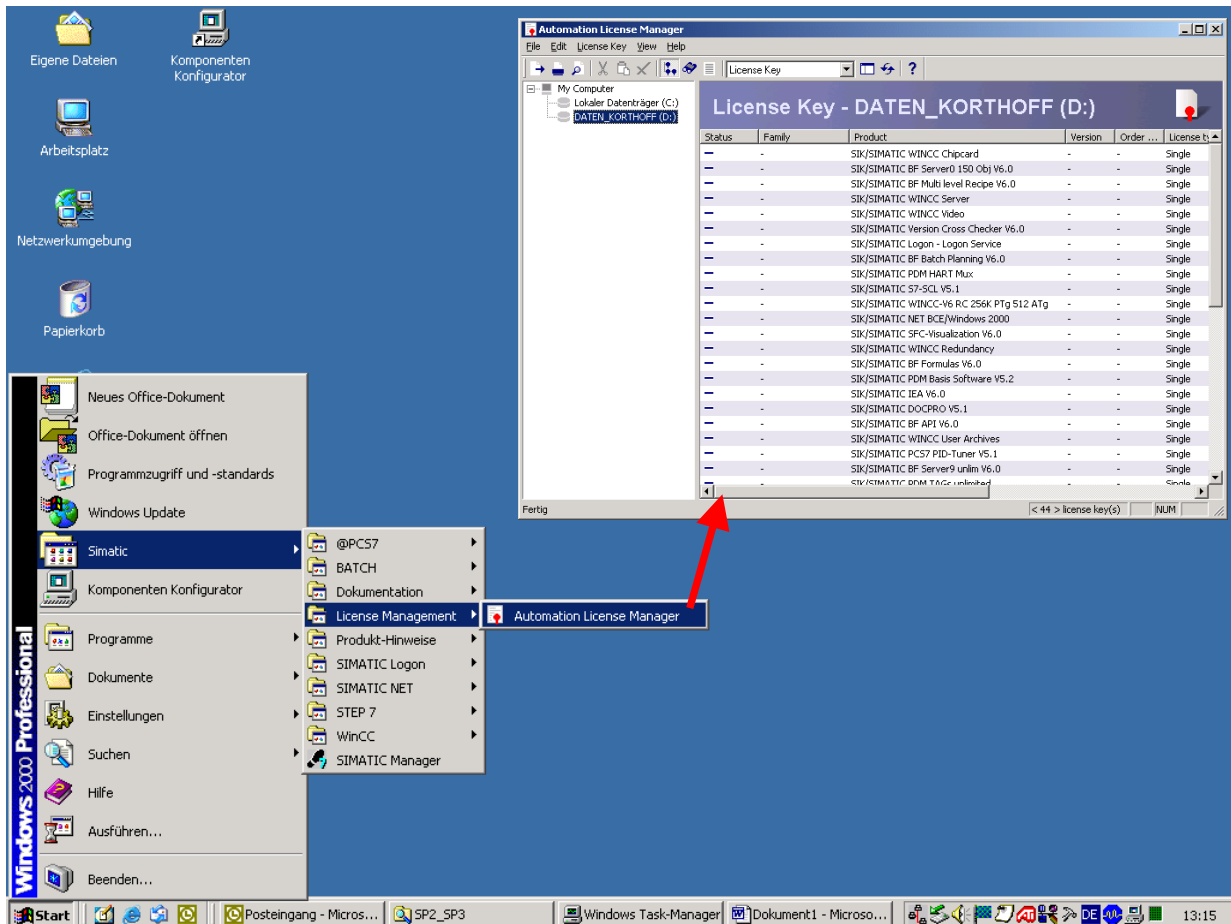
14 Authorization(s)

Press F1 for help.

**Start Menu:**

- Set Program Access and Defaults
- Windows Update
- Simatic
  - @PCS7
    - AuthorSW
    - BATCH
    - Documentation
    - Product notes
    - ROUTE CONTROL
    - SIMATIC NET
    - STEP 7
    - WinCC
  - SIMATIC Manager
  - BATCH Start-Koordinator
  - SIMATIC Logon
- Komponenten Konfigurator
- Programme
- Favoriten
- Dokumente
- Einstellungen
- Suchen
- Hilfe
- Ausführen...
- Beenden...

## 1.2 PCS7 V6.0 SP3 !!! NEW !!!



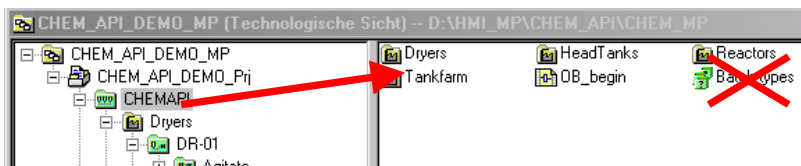
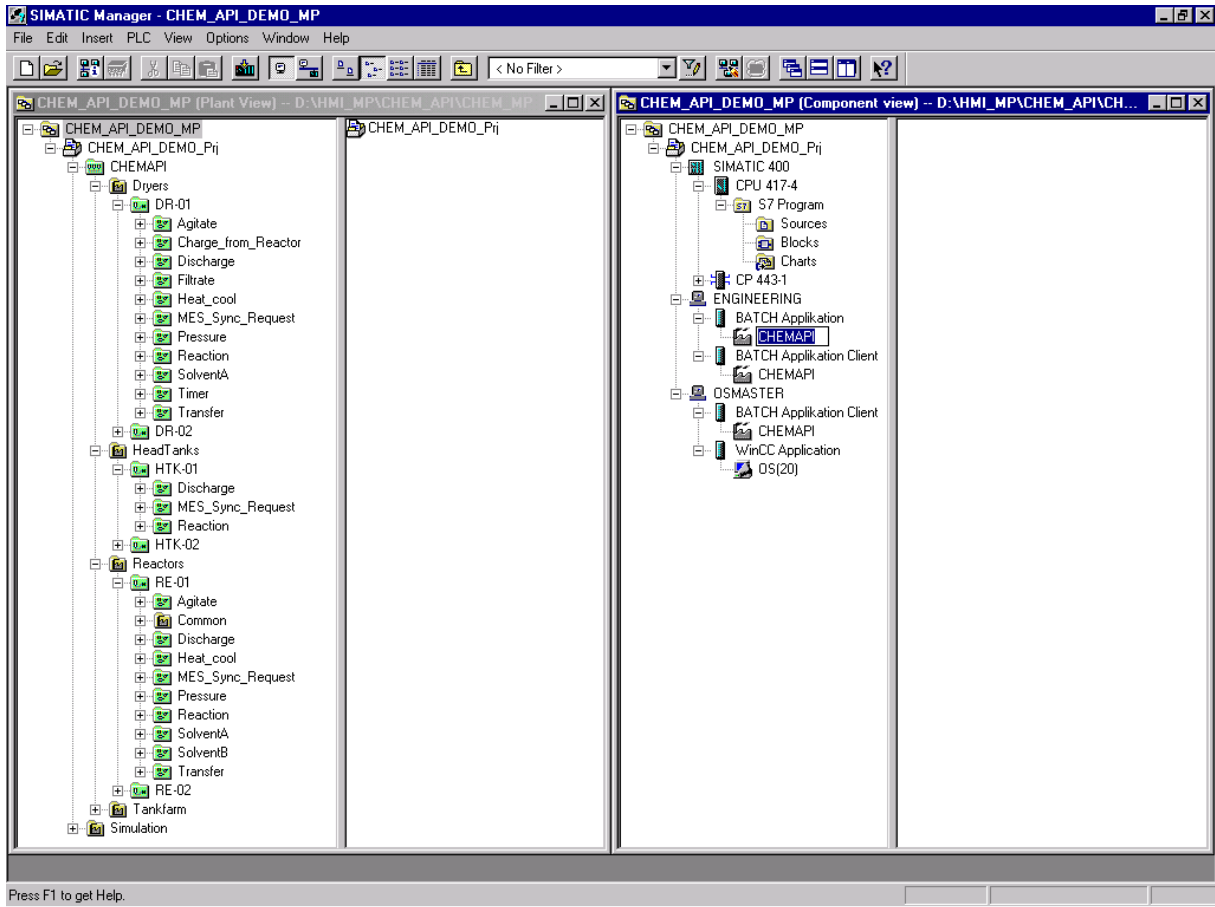
AuthorsW is replaced by the License manager.

**!!! important !!!**

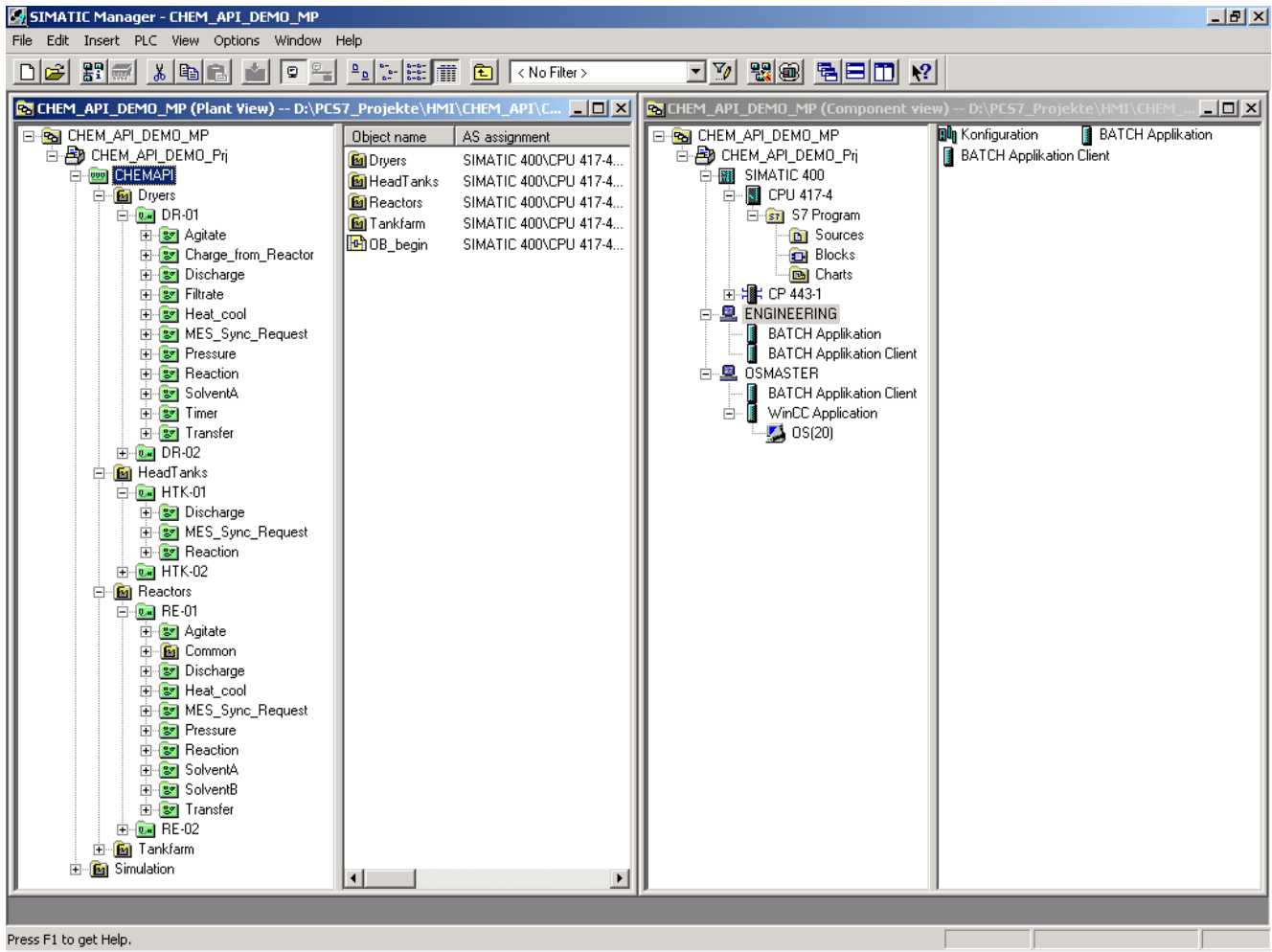
In Simatic PCS7 V6.0 SP3 an upgrade license for STEP7 V5.3 is needed.

## 2. Plant – and Component View

### 2.1 PCS7 V6.0 SP2



## 2.2 PCS7 V6.0 SP3 !!! NEW !!!



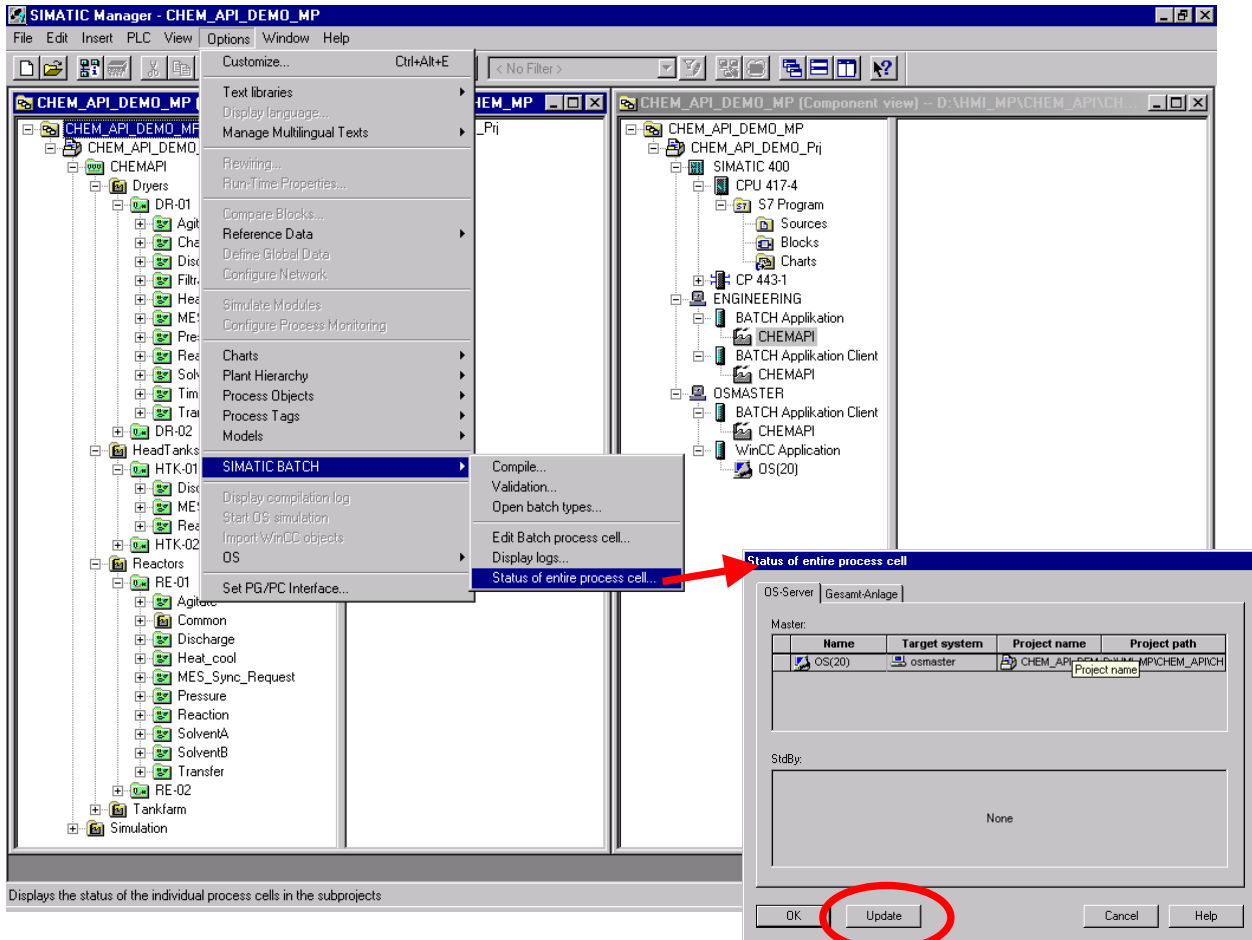
In the component view only Batch servers and clients are configured like in SP2. The plant icons below the Batch Applications aren't visualized any more, in new created Batch Applications .

All Batch relevant functions are executed in the plant view now. (compile Batch, download Batch, generate Batch types, ...)

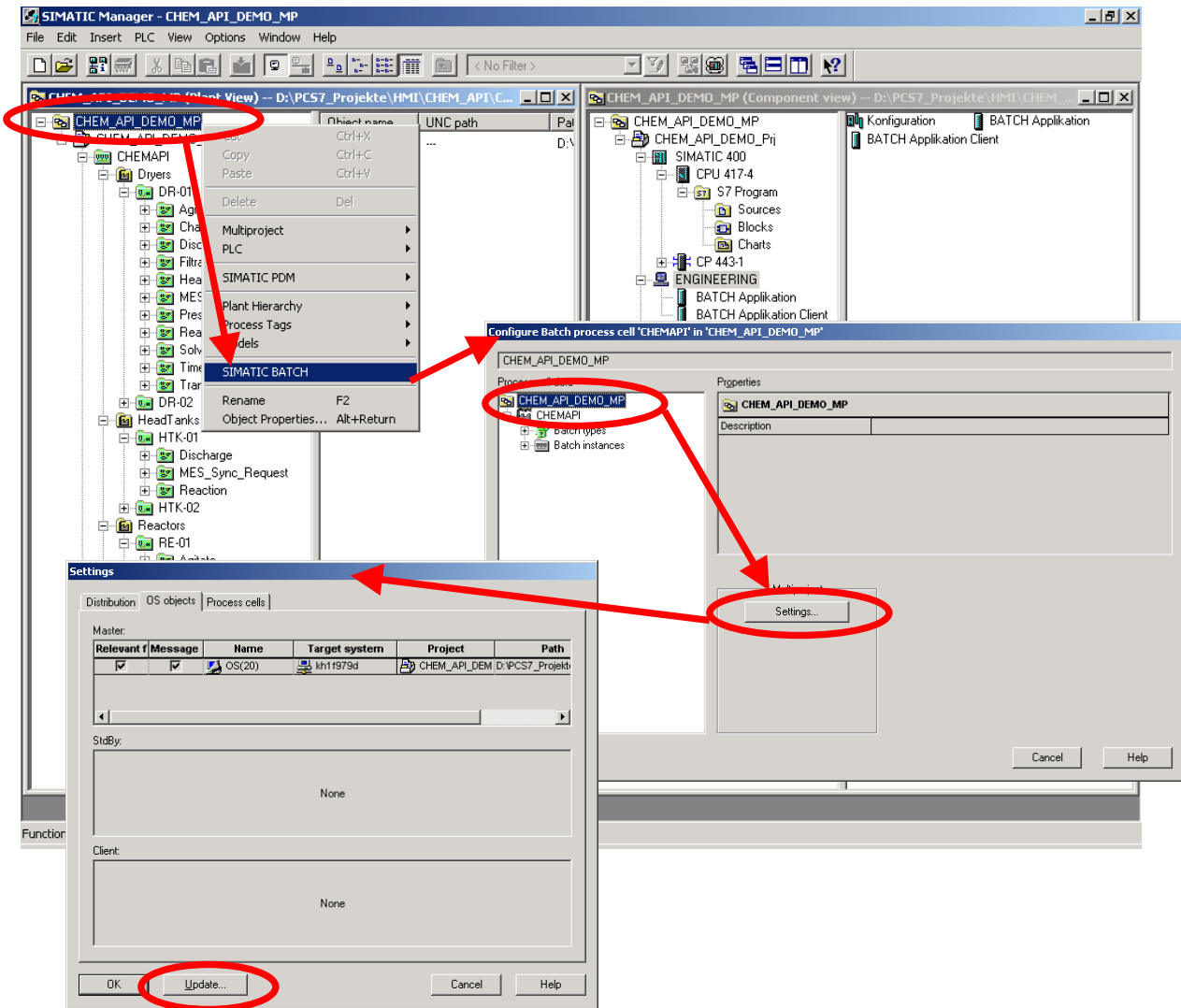
The Batch types aren't in the container of the Batch plant any more. They are visualized by selecting the command "SIMATIC BATCH" in the popup menu which is called with the right mouse button selecting (see also Chapter 4 in this document).

## 3. Status of entire process cell

### 3.1 PCS7 V6.0 SP2

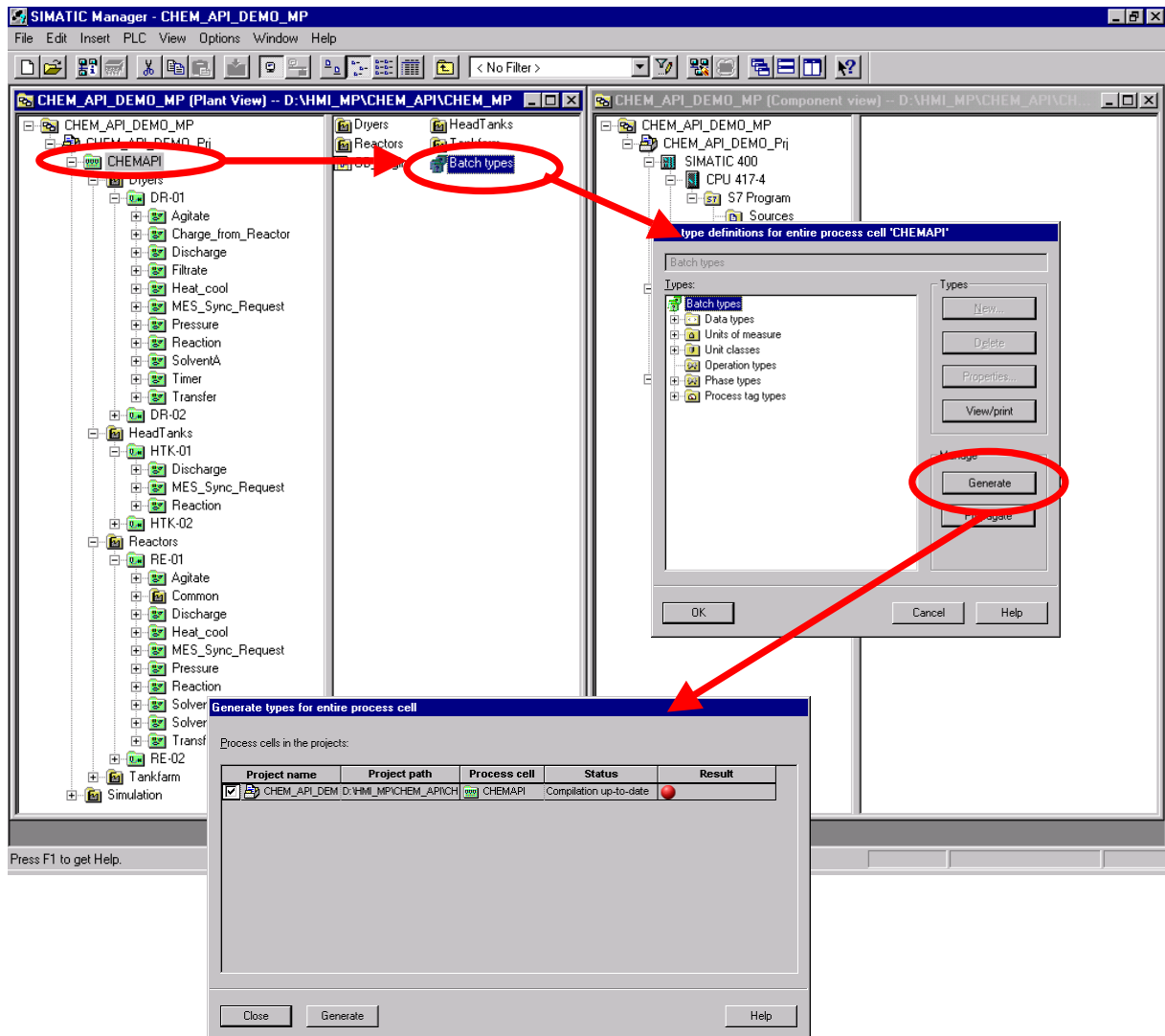


## 3.2 PCS7 V6.0 SP3 !!! NEW !!!



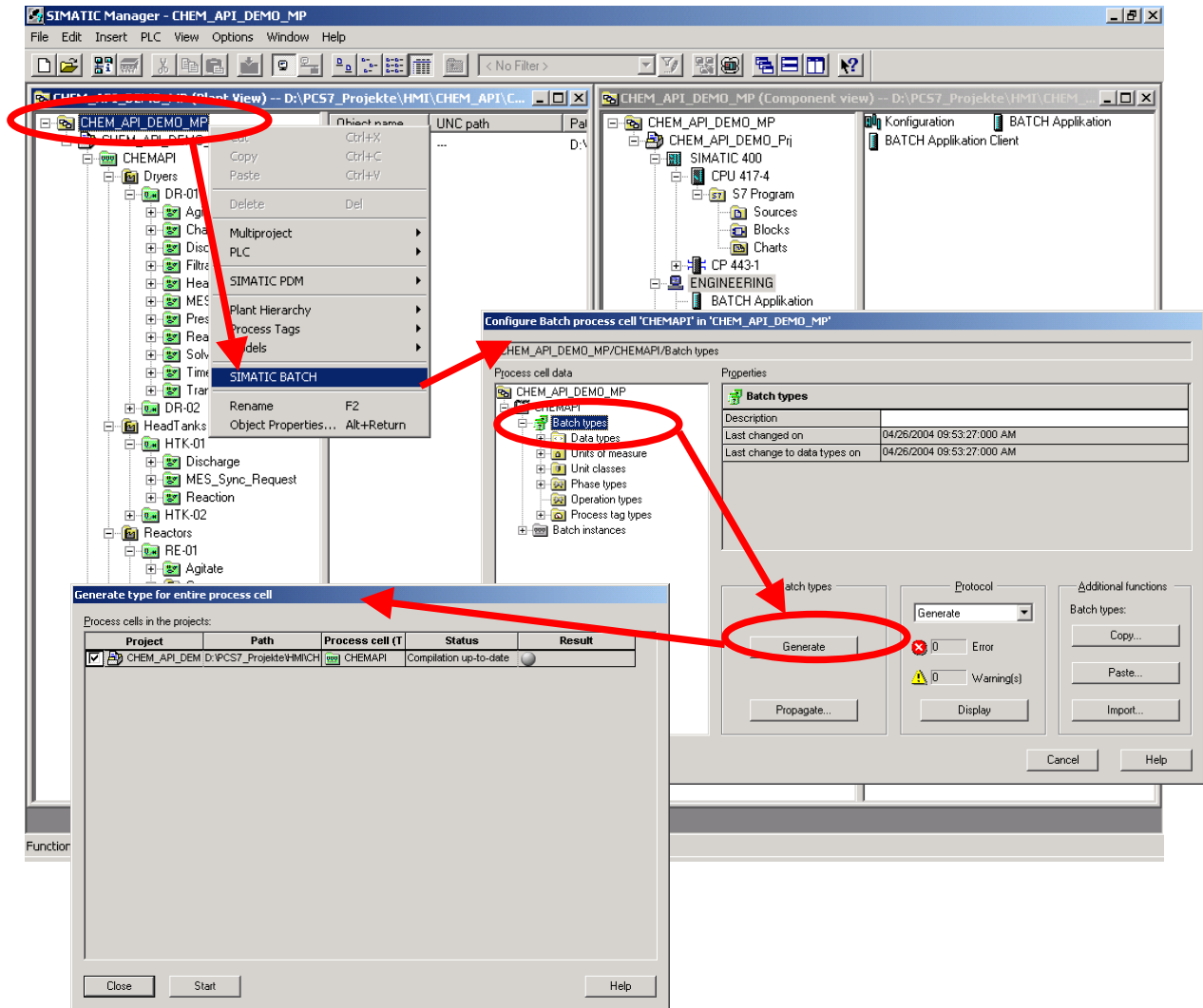
## 4. Batch types

### 4.1 PCS7 V6.0 SP2






## 4.2 PCS7 V6.0 SP3 !!! NEW !!!



In PCS7 V6.0 SP2 it was possible to define, in which projects of a multiproject the Master Batch Types are located,

In the SP3 the Masters Batch Types are assigned to the folder of the multi-project automatically.

Master Batch Types →  Batch-Typen

Copy of the Batch Types →  Batch-Typen

## 5. Compile Batch

### 5.1 PCS7 V6.0 SP2

The screenshot shows the SIMATIC Manager interface with the 'SIMATIC BATCH' menu open and the 'Compile...' option selected. A dialog box titled 'Compiling 'CHEMAPI'' is displayed in the foreground, showing the compilation progress and options for transferring OS-relevant data.

**Compiling 'CHEMAPI'**

Compile process cell data

Subproject	In	C	Project name	Project path	Process cell	Current status	Result
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CHEM_API	D:\HMI_MP\CHEM_API\CHEM_API	CHEMAPI	Compilation up-to-date	

Compilation the Batch instances

Transfer OS-relevant data

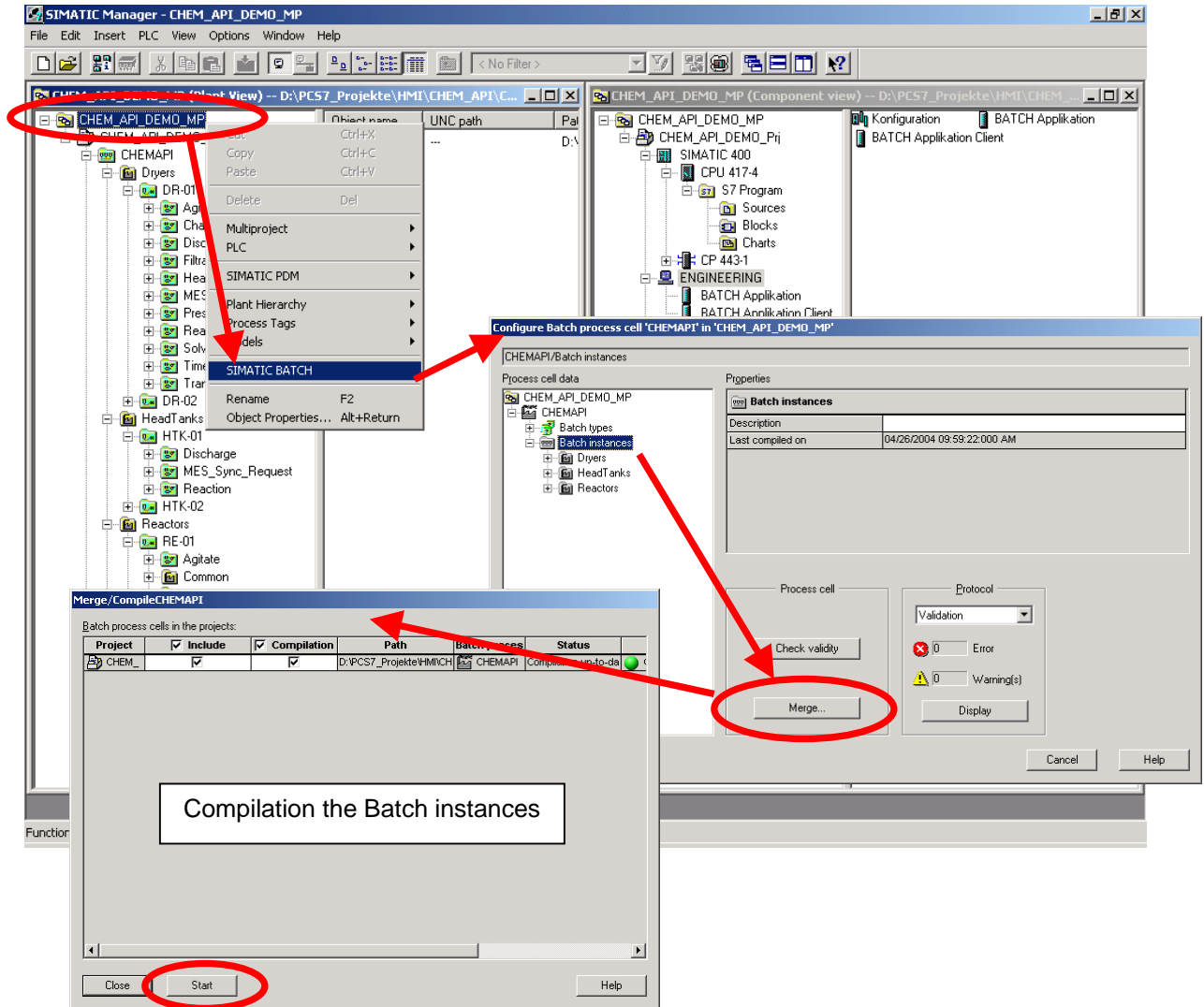
Relevant f	Message	Project name	Project path	OS	Current status
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CHEM_API_DEM	D:\HMI_MP\CHEM_API\CHEM_API	OS(20)	Not downloaded

Transfer OS relevant data

Buttons: Close, Start, Edit..., Help

## 5.2 PCS7 V6.0 SP3 !!! NEW !!!

### Compile the Pcell data ( Batch-Instances)



## Transfer OS relevant data

The screenshot illustrates the steps to transfer OS-relevant data for a SIMATIC BATCH process cell. The main window shows the project tree with 'CHEM\_API\_DEMO\_MP' selected. A context menu is open, and 'SIMATIC BATCH' is highlighted. This leads to the 'Configure Batch process cell' dialog, where the 'Process cell' is set to 'CHEM\_API\_DEMO\_MP'. The 'Transfer to OS...' button is circled in red. This button opens the 'Transfer BATCH-relevant data' dialog, which contains a table of projects and a 'Start' button, also circled in red.

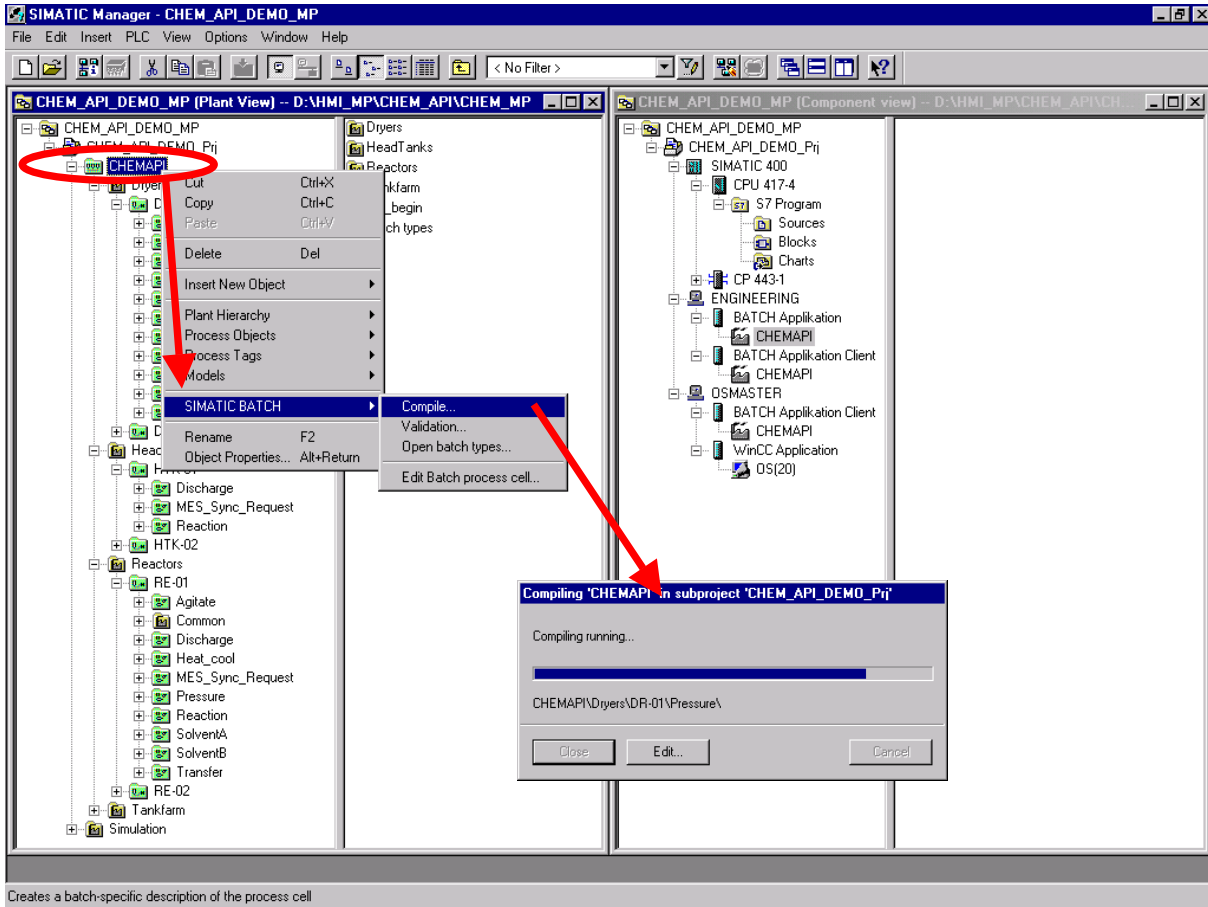
**Transfer BATCH-relevant data**

Name	Last transfer on	Status	Project	Path
<input checked="" type="checkbox"/>	OS(20)	04/26/2004 08:19:02:00		CHEM_API_DEM D:\PCS7_Projekte\HMI\CH...

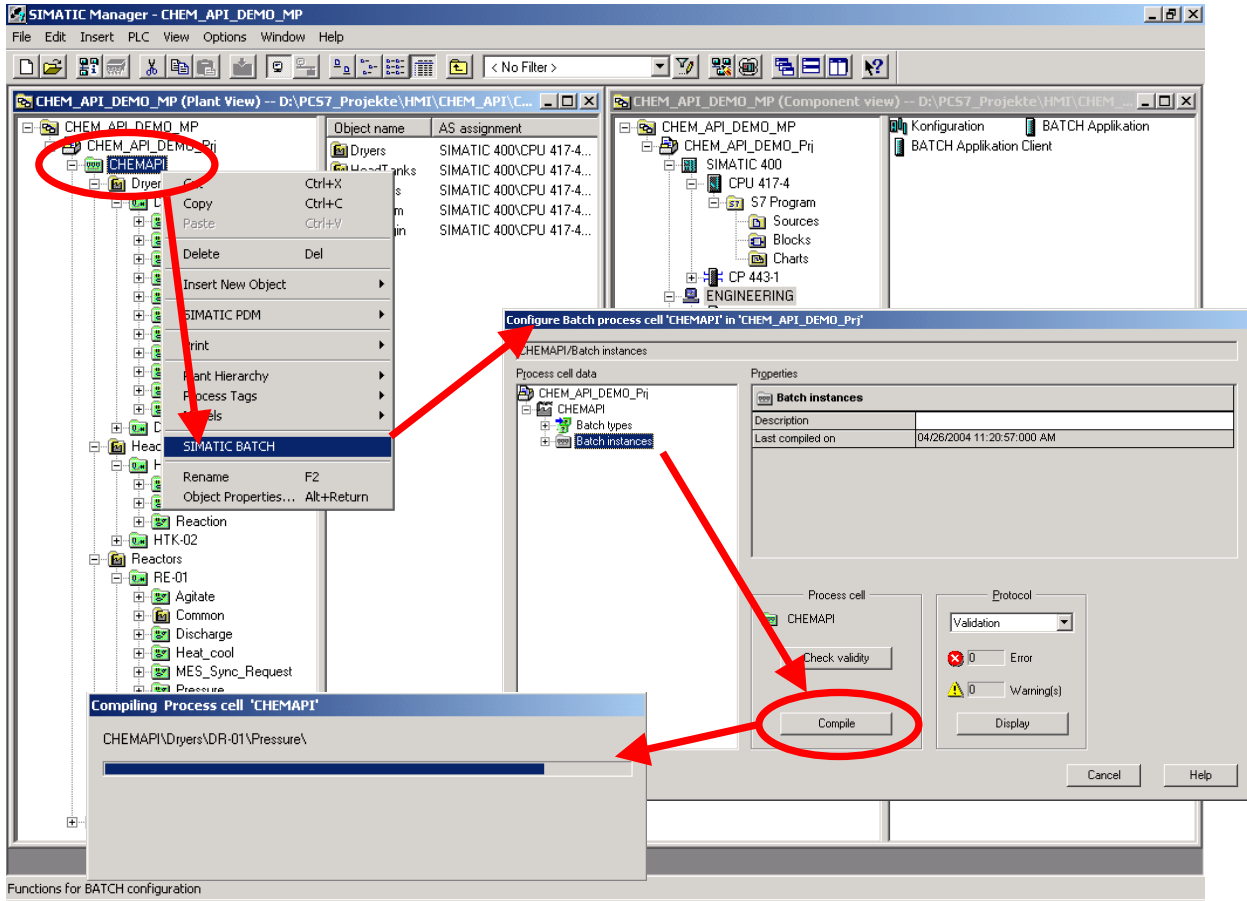
Transfer OS relevant data

## 6. Compile subprojects

### 6.1 PCS7 V6.0 SP2



## 6.2 PCS7 V6.0 SP3 !!! NEW !!!



## 7. Download Batch

### 7.1 PCS7 V6.0 SP2

The screenshot shows the SIMATIC Manager interface with two views: 'Plant View' and 'Component view'. A context menu is open over the 'CHEMAPI' object in the Component view, with the 'Download' option selected. A dialog box titled 'Downloading Batch process cell "CHEMAPI"' is displayed in the foreground, showing reasons for the download and a table of component status.

**Downloading Batch process cell "CHEMAPI"**

Download necessary due to:

- new configuration data (DCF) ✓ change in WinCC application(s)
- new process cell data (EQM) change in batch-relevant OSen
- change in client change in Message OS

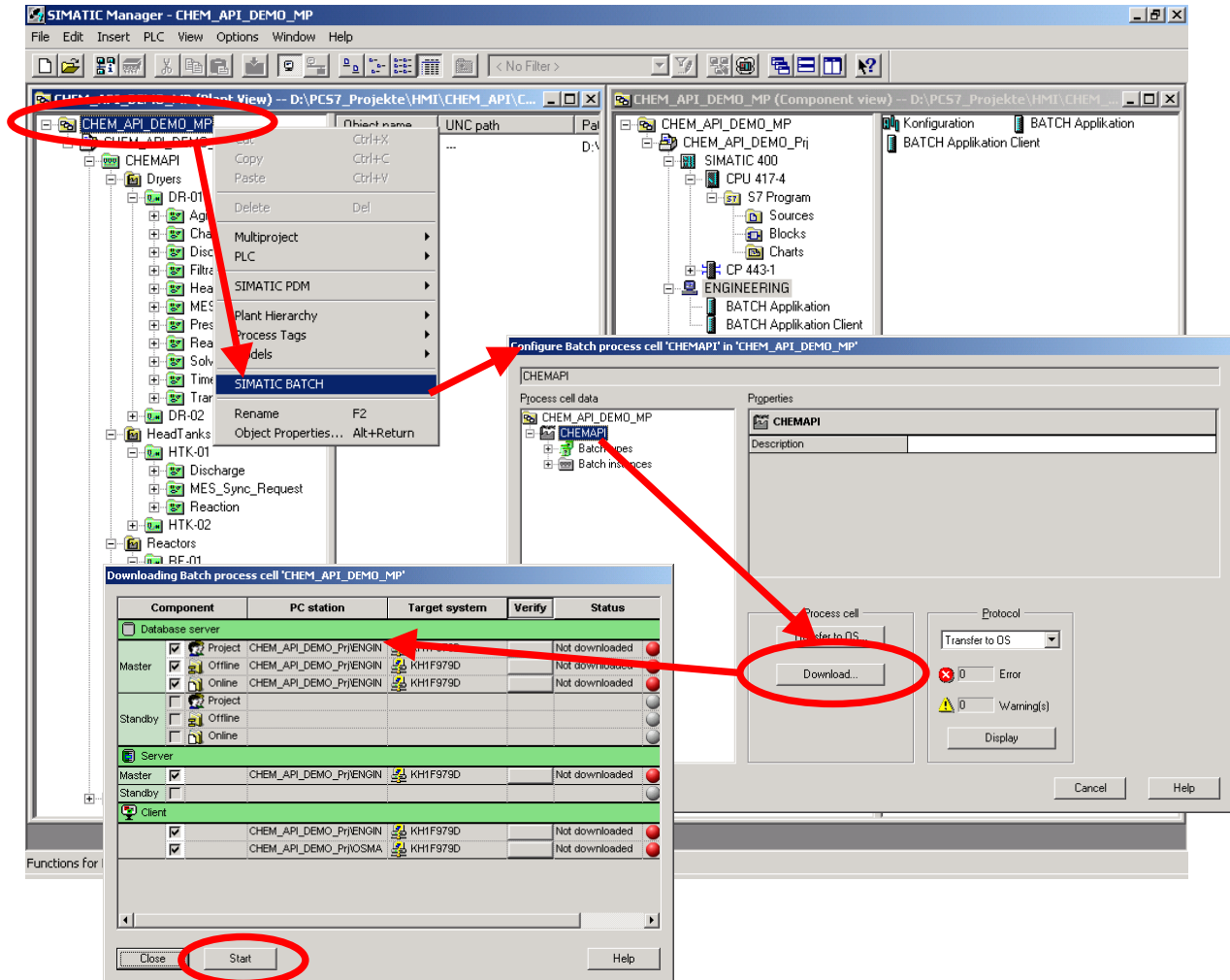
Database server:  Server  Client

Component	Target system	Current status
Master		
<input checked="" type="checkbox"/> Project	(local)	Not downloaded
<input checked="" type="checkbox"/> Offline	(local)	Not downloaded
<input checked="" type="checkbox"/> Online	(local)	Not downloaded
Standby		
<input type="checkbox"/> Project		
<input type="checkbox"/> Offline		
<input type="checkbox"/> Online		

Target(s): SBE\_1-15-646528-90 already exists Fully downloaded

Buttons: Close Download Help

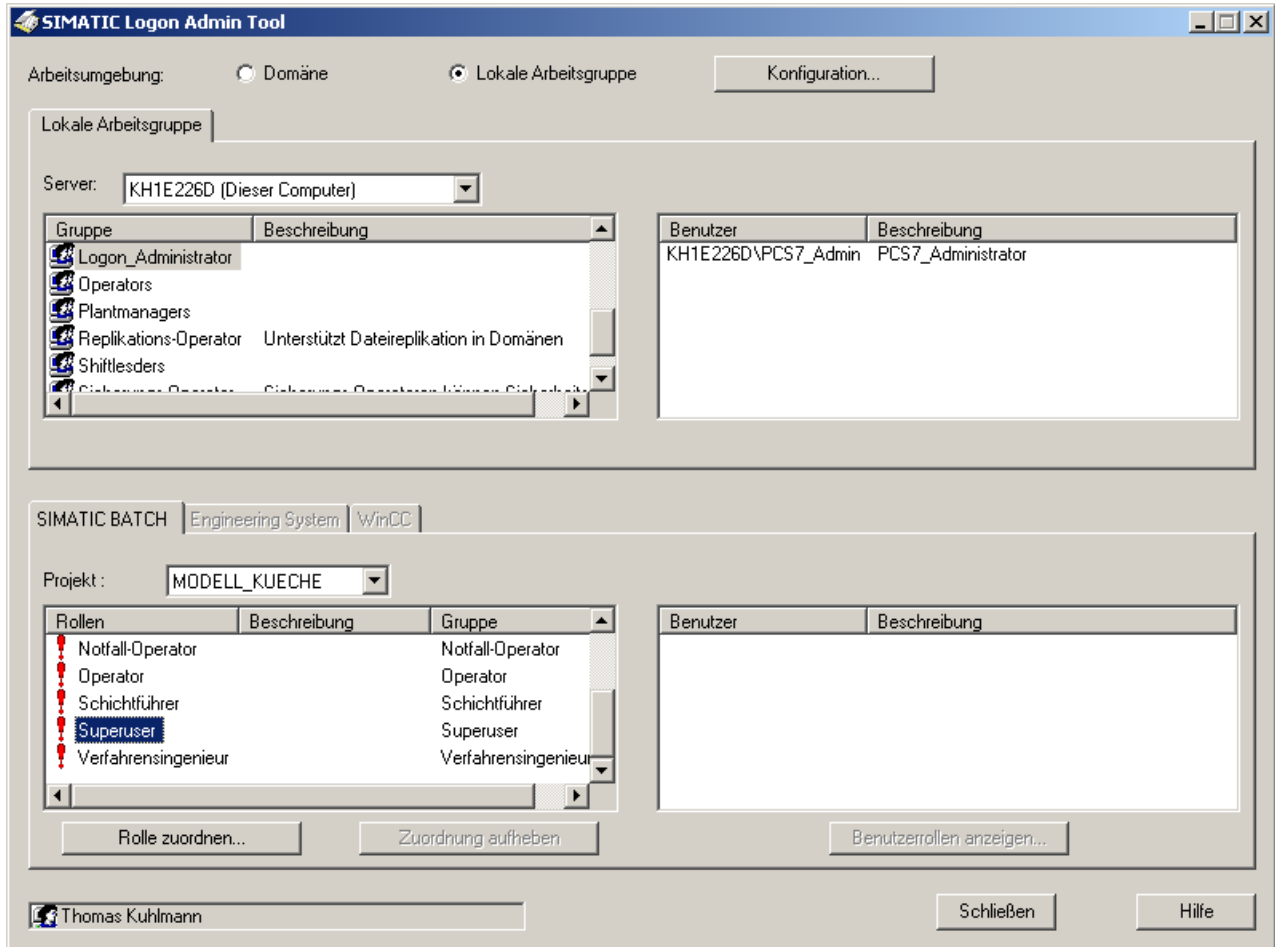
## 7.2 PCS7 V6.0 SP3 !!! NEW !!!





## 8. Roles management

### 8.1 PCS7 V6.0 SP2

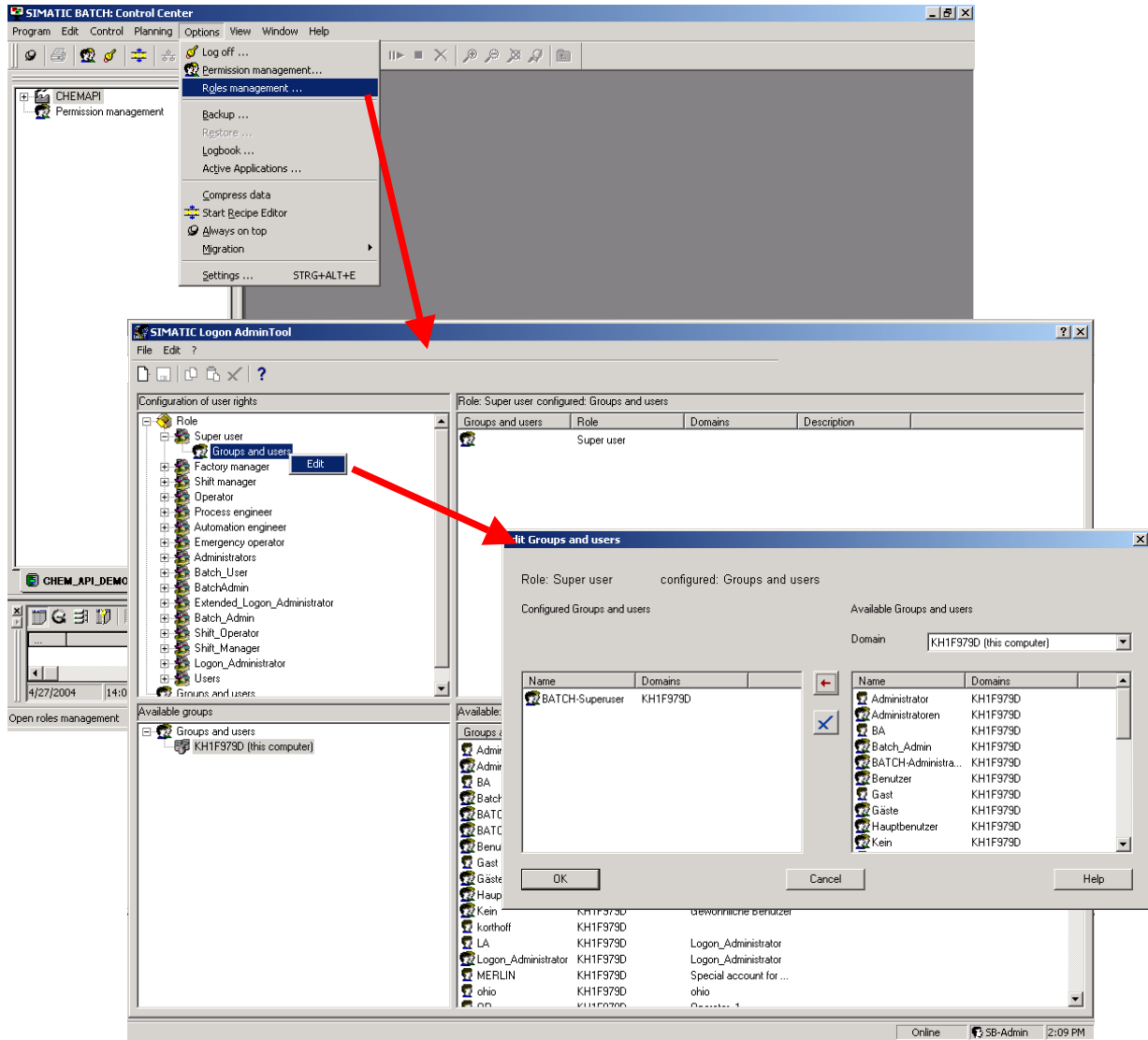


## 8.2 PCS7 V6.0 SP3 !!! NEW !!!

The user administration is carried out as in SP2 at the Windows level (user and user groups).

The assignment of the roles to the individual user groups for SIMATIC BATCH is carried out in the SP3 directly in the Batch Control Center.

The role management can be called under Options now.



## 9. EOP (Equipment Operation)

In the version PCS7 V6 SP2 it was possible, to create EOP's below the Unit level.

**!!! important !!!**

In the version PCS7 V6 SP3 it is necessary to create the EOP's on the Unit level.  
(The IUNIT Block is also here).

If there are EOP's below the unit level, they should be moved one level up. Otherwise the compilation of the Batch Data is not possible.