

Systems

Components

Services

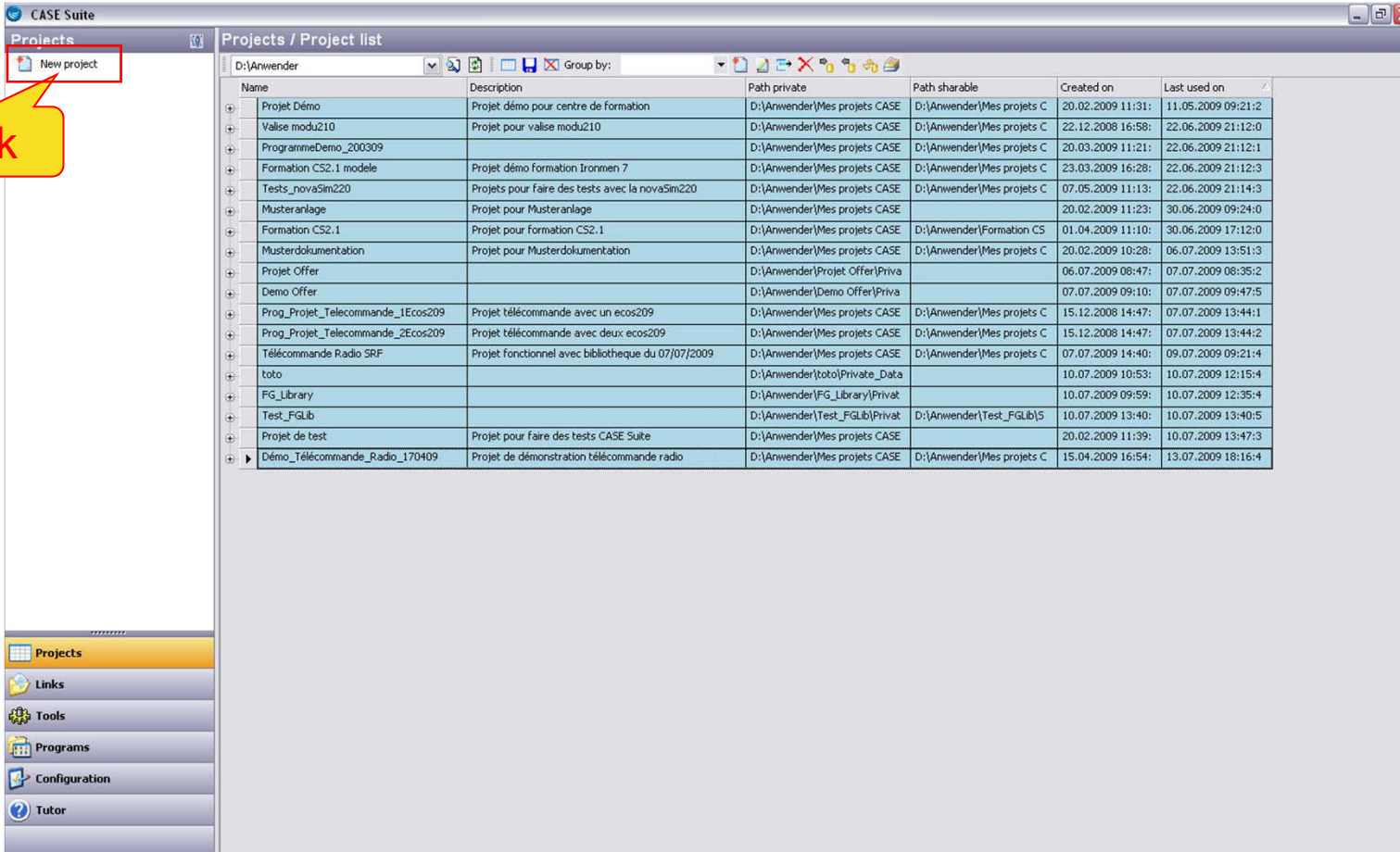
Facility Management



First project with CASE Builder 2.1

I. Creation of a new project

1) Open CASE Suite and click on “New project”

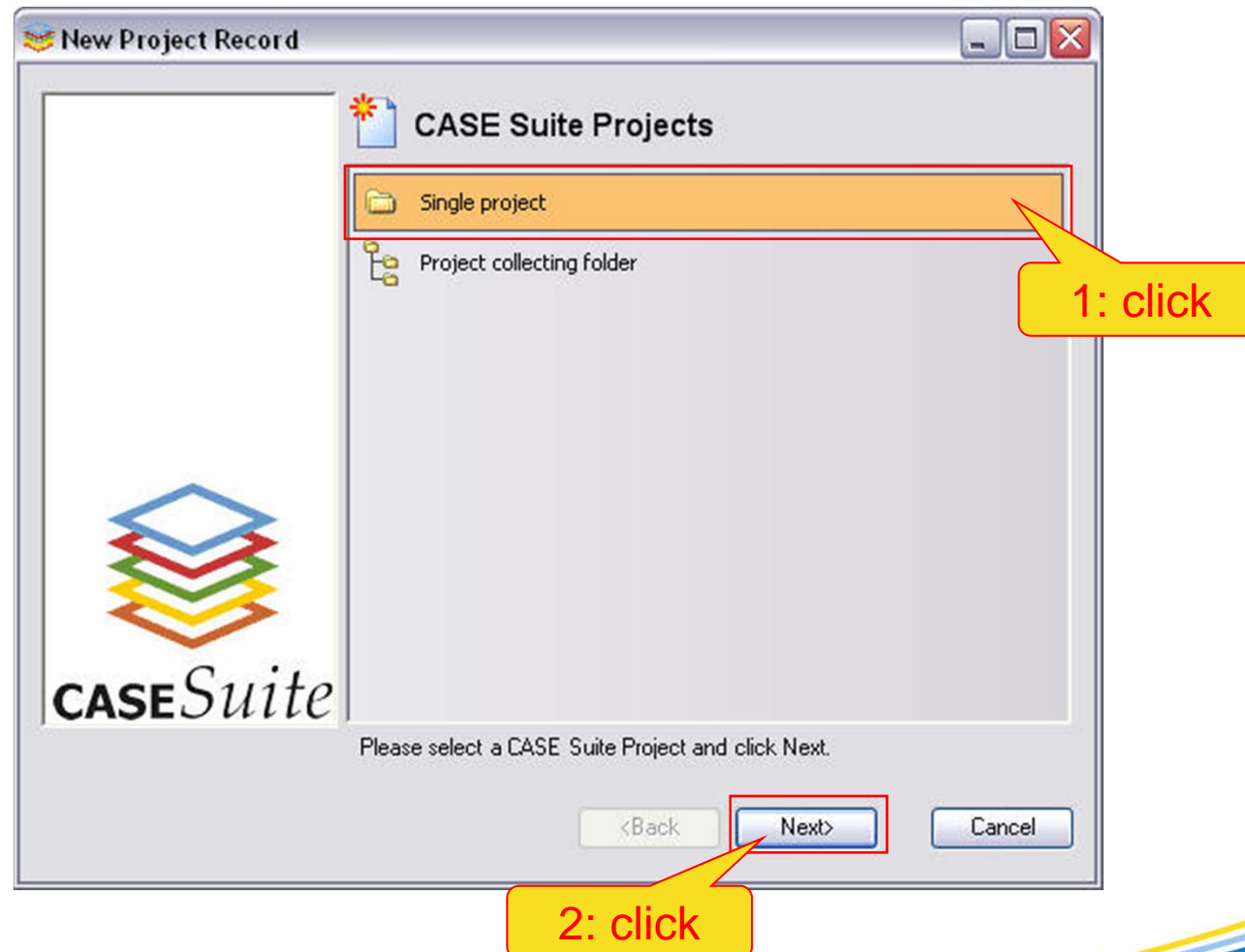


click

Name	Description	Path private	Path sharable	Created on	Last used on
Projet Démo	Projet démo pour centre de formation	D:\Anwender\Mes projets CASE	D:\Anwender\Mes projets C	20.02.2009 11:31:	11.05.2009 09:21:2
Valse modu210	Projet pour valse modu210	D:\Anwender\Mes projets CASE	D:\Anwender\Mes projets C	22.12.2008 16:58:	22.06.2009 21:12:0
ProgrammeDemo_200309		D:\Anwender\Mes projets CASE	D:\Anwender\Mes projets C	20.03.2009 11:21:	22.06.2009 21:12:1
Formation CS2.1 modele	Projet démo formation Ironmen 7	D:\Anwender\Mes projets CASE	D:\Anwender\Mes projets C	23.03.2009 16:28:	22.06.2009 21:12:3
Tests_novaSim220	Projets pour faire des tests avec la novaSim220	D:\Anwender\Mes projets CASE	D:\Anwender\Mes projets C	07.05.2009 11:13:	22.06.2009 21:14:3
Musteranlage	Projet pour Musteranlage	D:\Anwender\Mes projets CASE		20.02.2009 11:23:	30.06.2009 09:24:0
Formation CS2.1	Projet pour formation CS2.1	D:\Anwender\Mes projets CASE	D:\Anwender\Formation CS	01.04.2009 11:10:	30.06.2009 17:12:0
Musterdokumentation	Projet pour Musterdokumentation	D:\Anwender\Mes projets CASE	D:\Anwender\Mes projets C	20.02.2009 10:28:	06.07.2009 13:51:3
Projet Offer		D:\Anwender\Projet Offer\Priva		06.07.2009 08:47:	07.07.2009 08:35:2
Demo Offer		D:\Anwender\Demo Offer\Priva		07.07.2009 09:10:	07.07.2009 09:47:5
Prog_Projet_Telecommande_1Ecos209	Projet télécommande avec un ecos209	D:\Anwender\Mes projets CASE	D:\Anwender\Mes projets C	15.12.2008 14:47:	07.07.2009 13:44:1
Prog_Projet_Telecommande_2Ecos209	Projet télécommande avec deux ecos209	D:\Anwender\Mes projets CASE	D:\Anwender\Mes projets C	15.12.2008 14:47:	07.07.2009 13:44:2
Télécommande Radio SRF	Projet fonctionnel avec bibliothèque du 07/07/2009	D:\Anwender\Mes projets CASE	D:\Anwender\Mes projets C	07.07.2009 14:40:	09.07.2009 09:21:4
toto		D:\Anwender\toto\Private_Data		10.07.2009 10:53:	10.07.2009 12:15:4
FG_Library		D:\Anwender\FG_Library\Privat		10.07.2009 09:59:	10.07.2009 12:35:4
Test_FGLib		D:\Anwender\Test_FGLib\Privat	D:\Anwender\Test_FGLib\5	10.07.2009 13:40:	10.07.2009 13:40:5
Projet de test	Projet pour faire des tests CASE Suite	D:\Anwender\Mes projets CASE		20.02.2009 11:39:	10.07.2009 13:47:3
Démo_Télécommande_Radio_170409	Projet de démonstration télécommande radio	D:\Anwender\Mes projets CASE	D:\Anwender\Mes projets C	15.04.2009 16:54:	13.07.2009 18:16:4

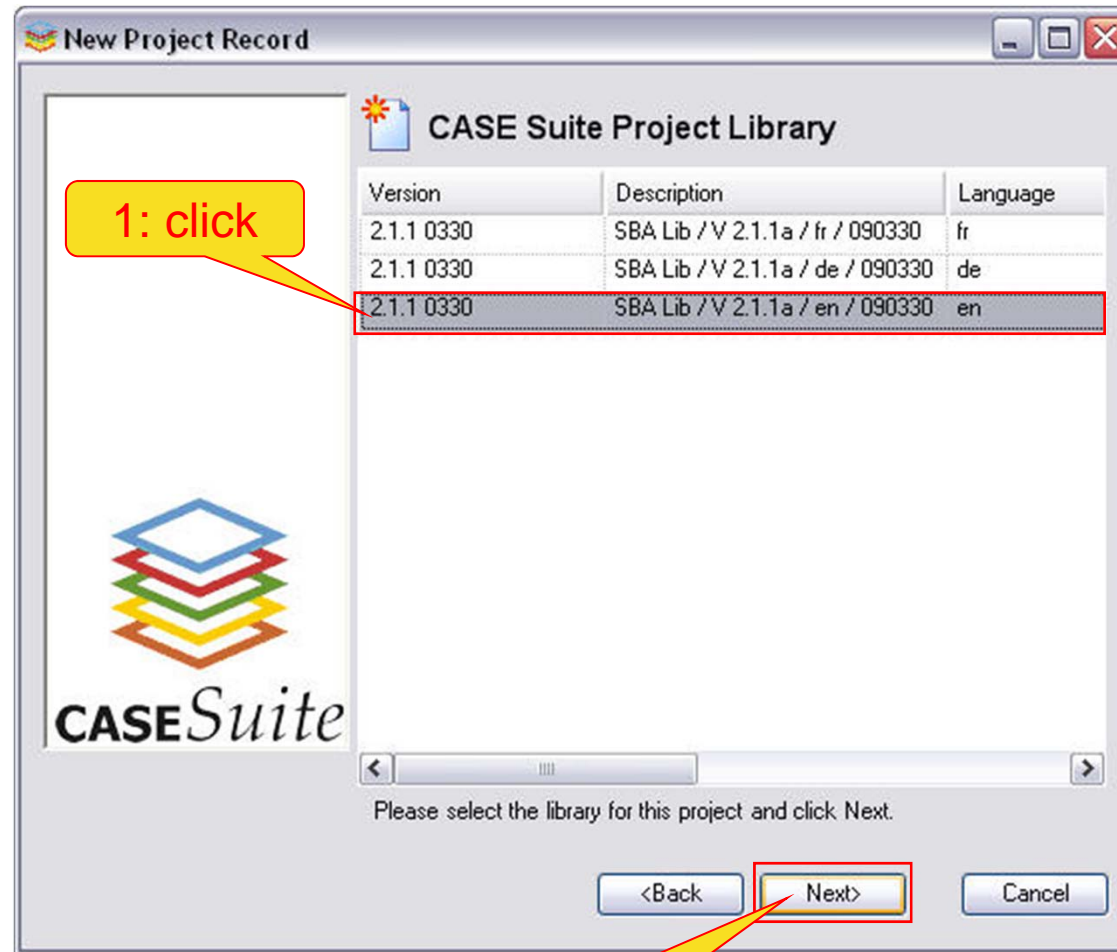
I. Creation of a new project

2) Select the project type



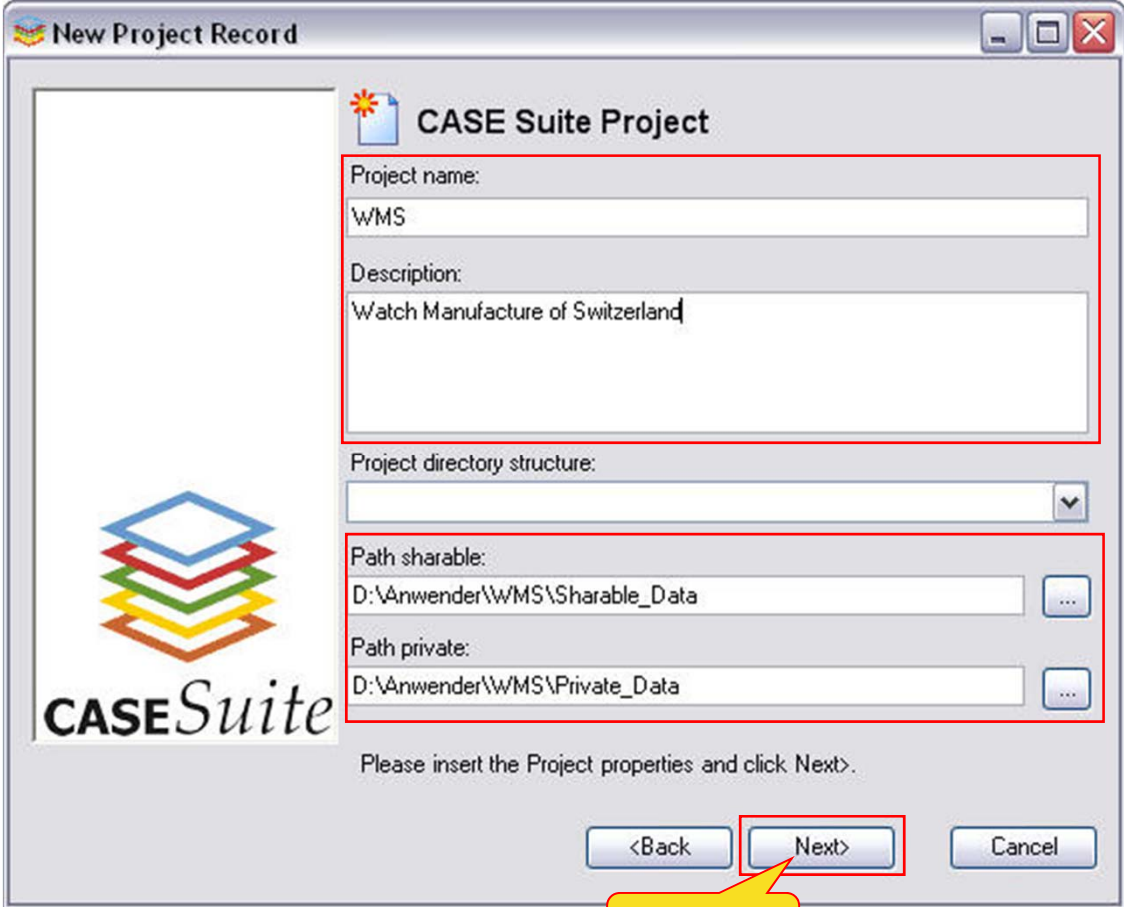
I. Creation of a new project

3) Select the library



I. Creation of a new project

4) Edit the project name, the description and the paths



Project name:
WMS

Description:
Watch Manufacture of Switzerland

Project directory structure:
[Dropdown menu]

Path sharable:
D:\Anwender\WMS\Sharable_Data

Path private:
D:\Anwender\WMS\Private_Data

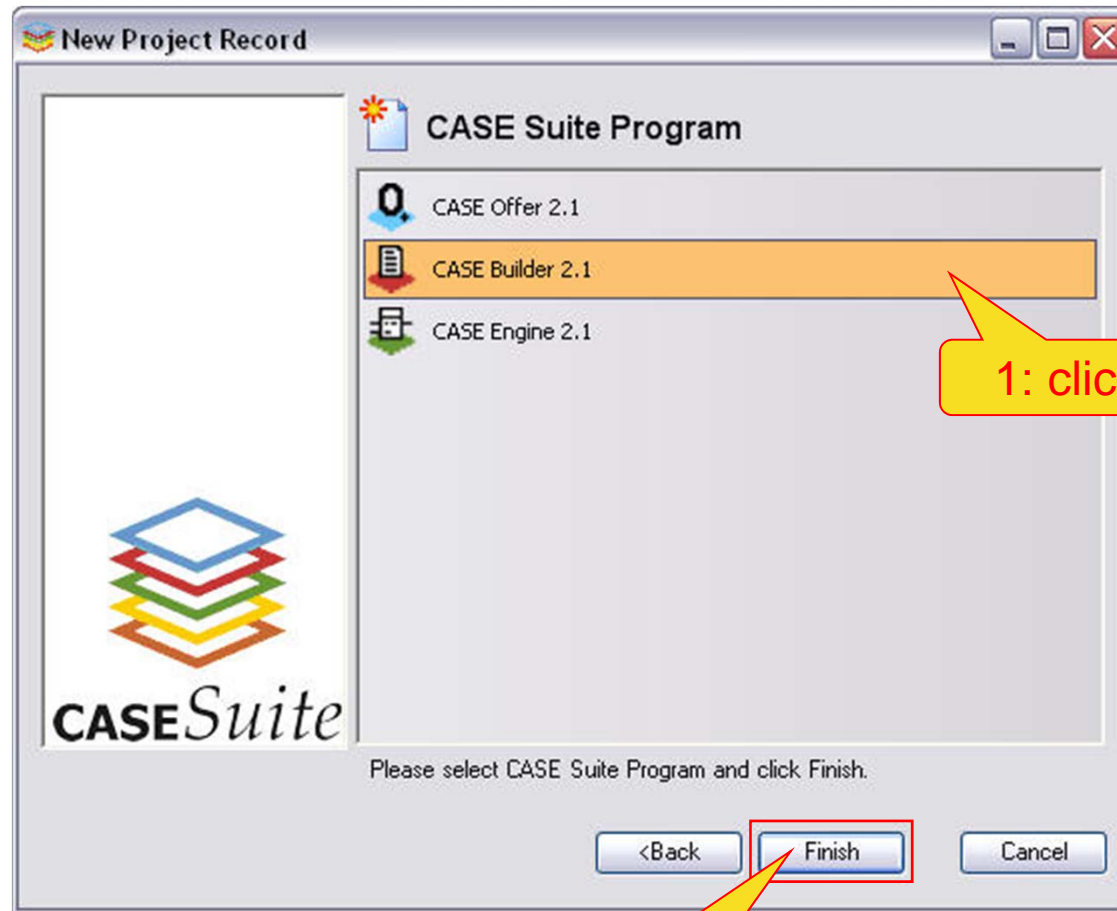
Please insert the Project properties and click Next>.

<Back **Next>** Cancel

click

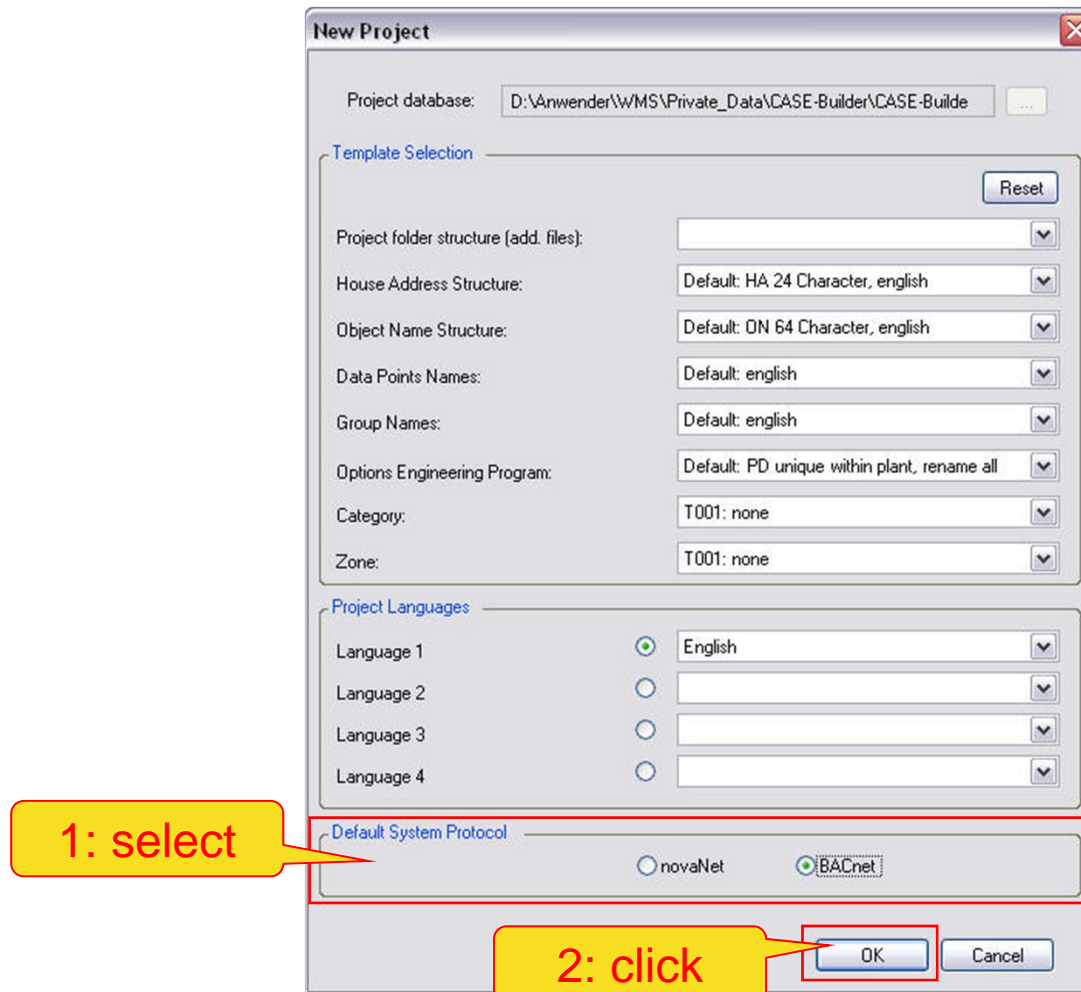
I. Creation of a new project

5) Select the CASE Suite program



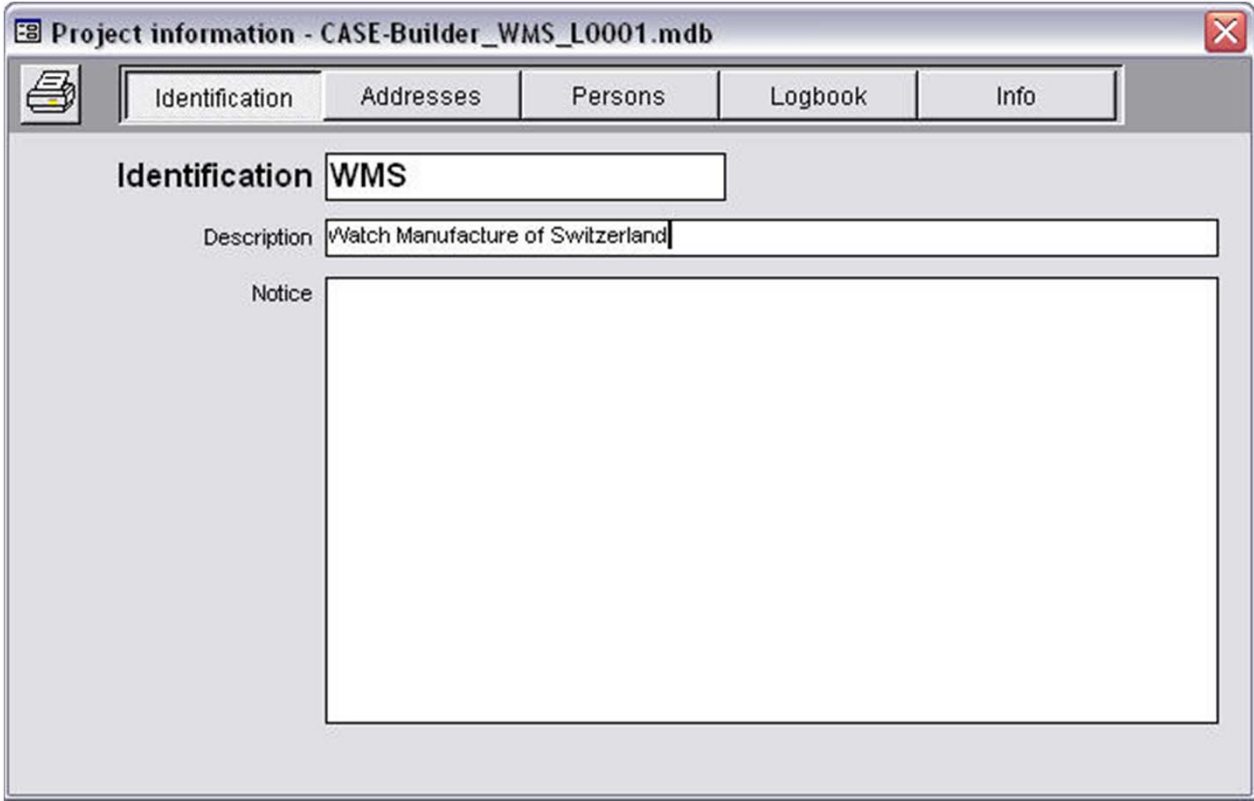
I. Creation of a new project

6) Set the default system protocol : novaNet or BACnet



I. Creation of a new project

7) Set the identification data



Project information - CASE-Builder_WMS_L0001.mdb

Identification Addresses Persons Logbook Info

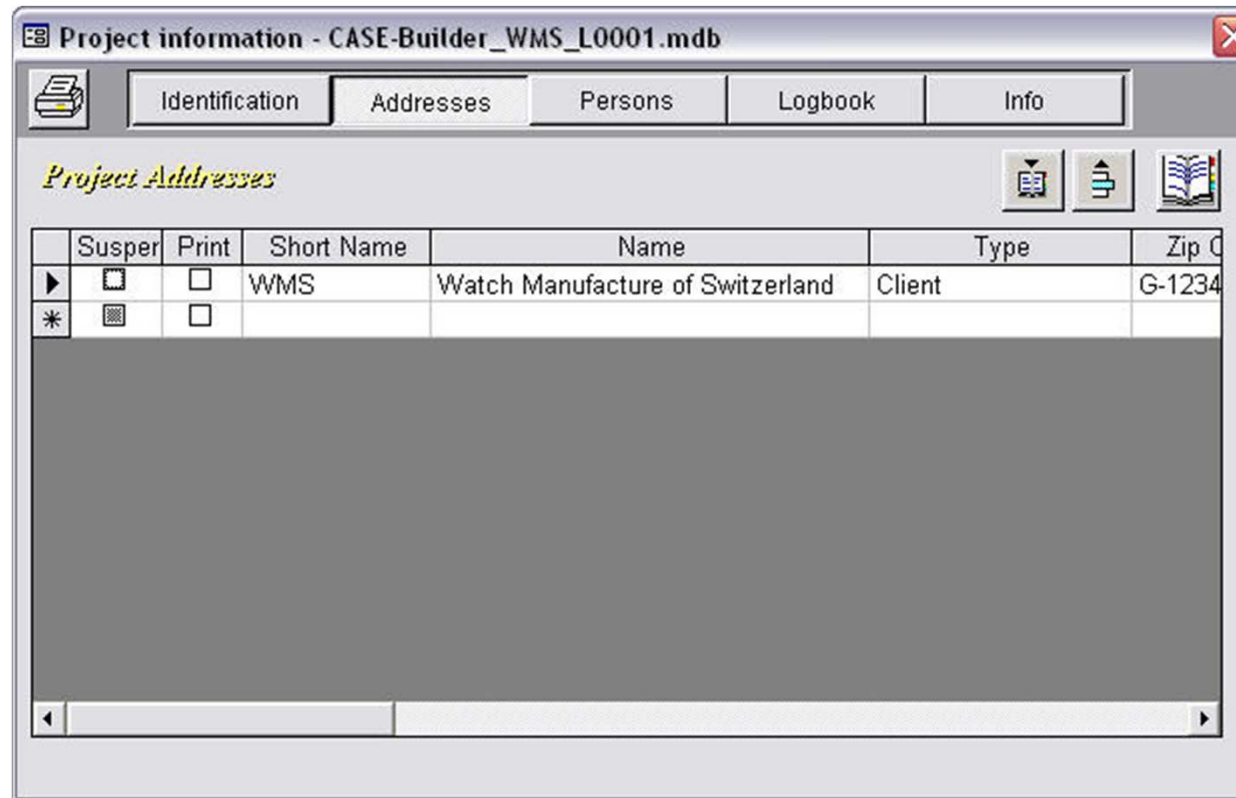
Identification

Description

Notice

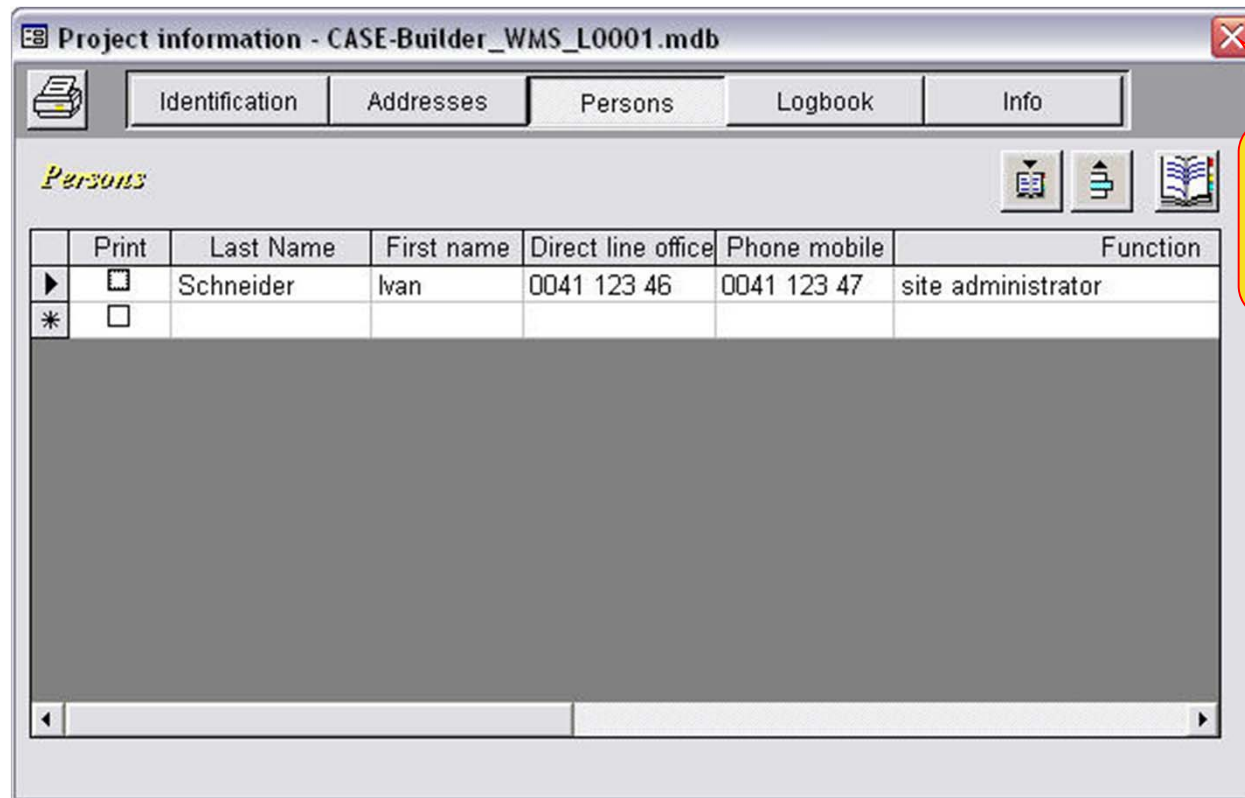
I. Creation of a new project

8) Set the addresses



I. Creation of a new project

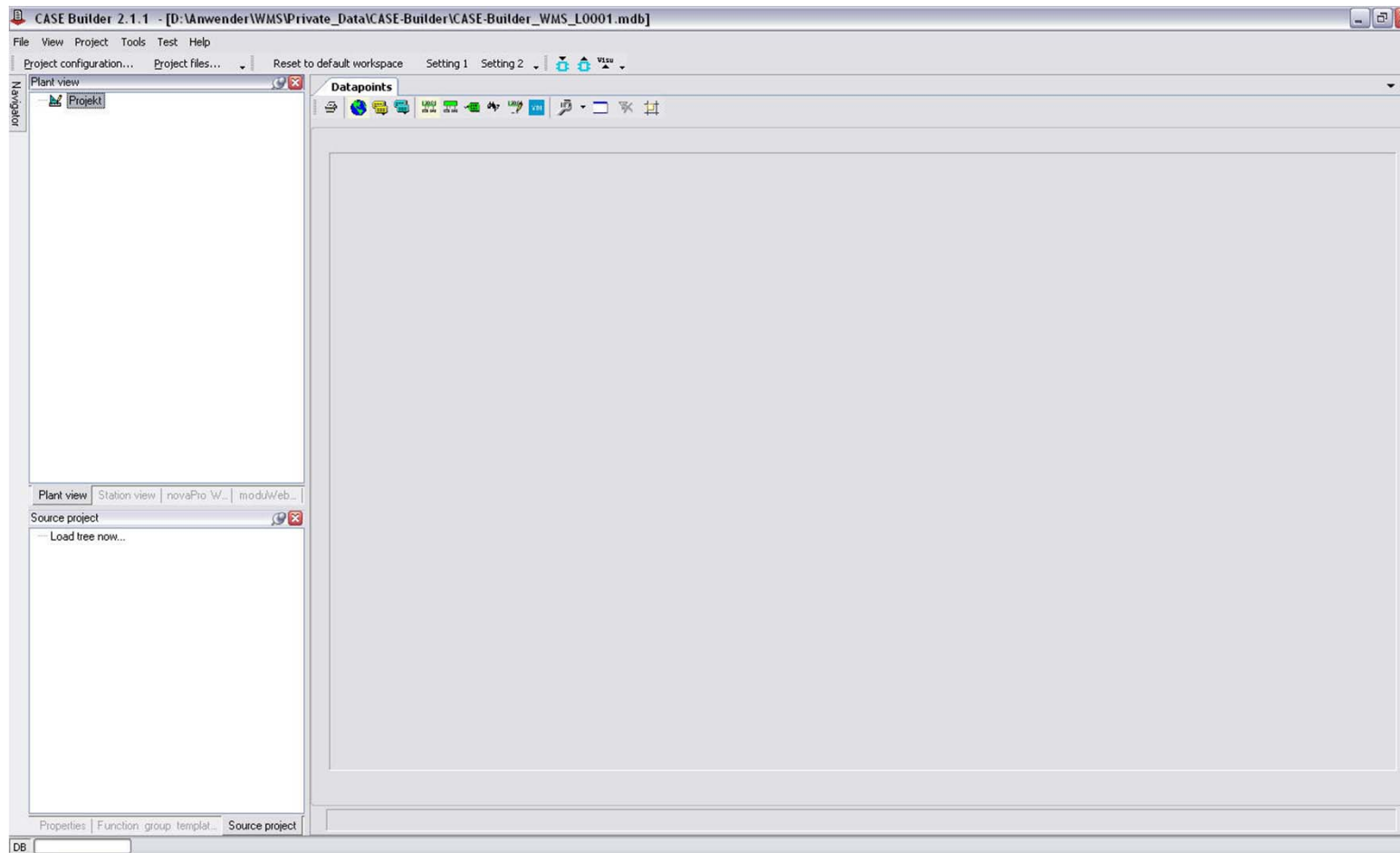
9) Set the persons



Close when settings are finish

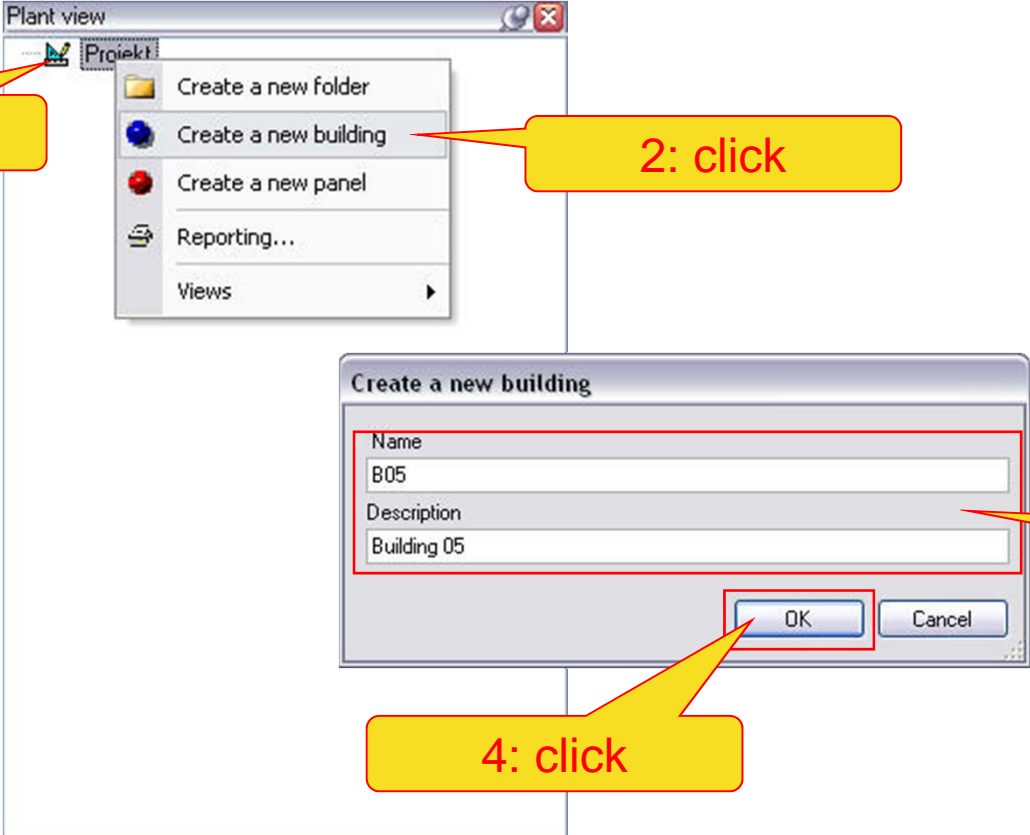
I. Creation of a new project

10) The new CASE Builder project is created



II. Creation of the project structure

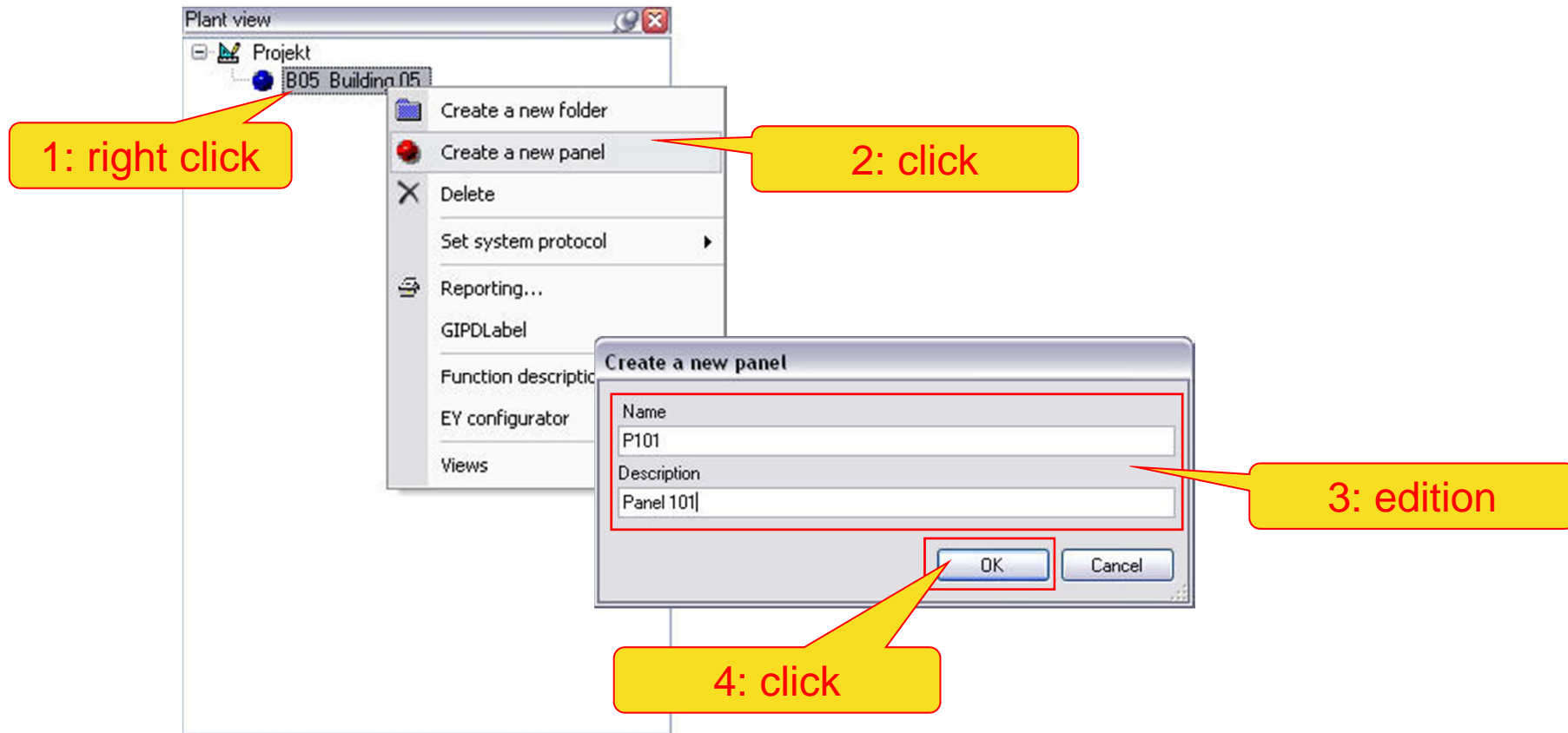
1) Create a new building



The image illustrates the steps to create a new building in a software application. It shows a 'Plant view' window with a context menu open, highlighting the 'Create a new building' option. A dialog box titled 'Create a new building' is displayed, showing the 'Name' field filled with 'B05' and the 'Description' field filled with 'Building 05'. The 'OK' button is highlighted. Four callouts provide instructions: '1: right click' points to the context menu, '2: click' points to the 'Create a new building' option, '3: edition' points to the text in the 'Name' and 'Description' fields, and '4: click' points to the 'OK' button.

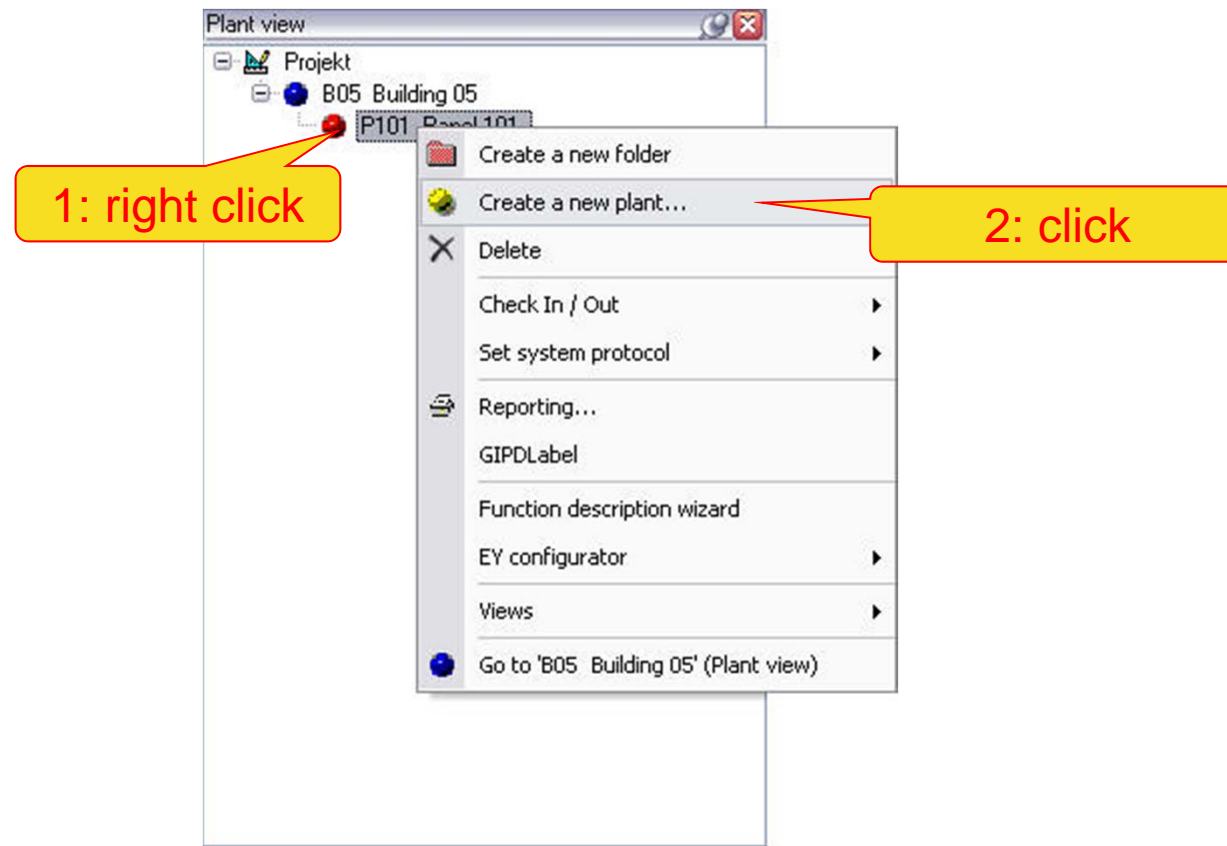
II. Creation of the project structure

2) Create a new panel



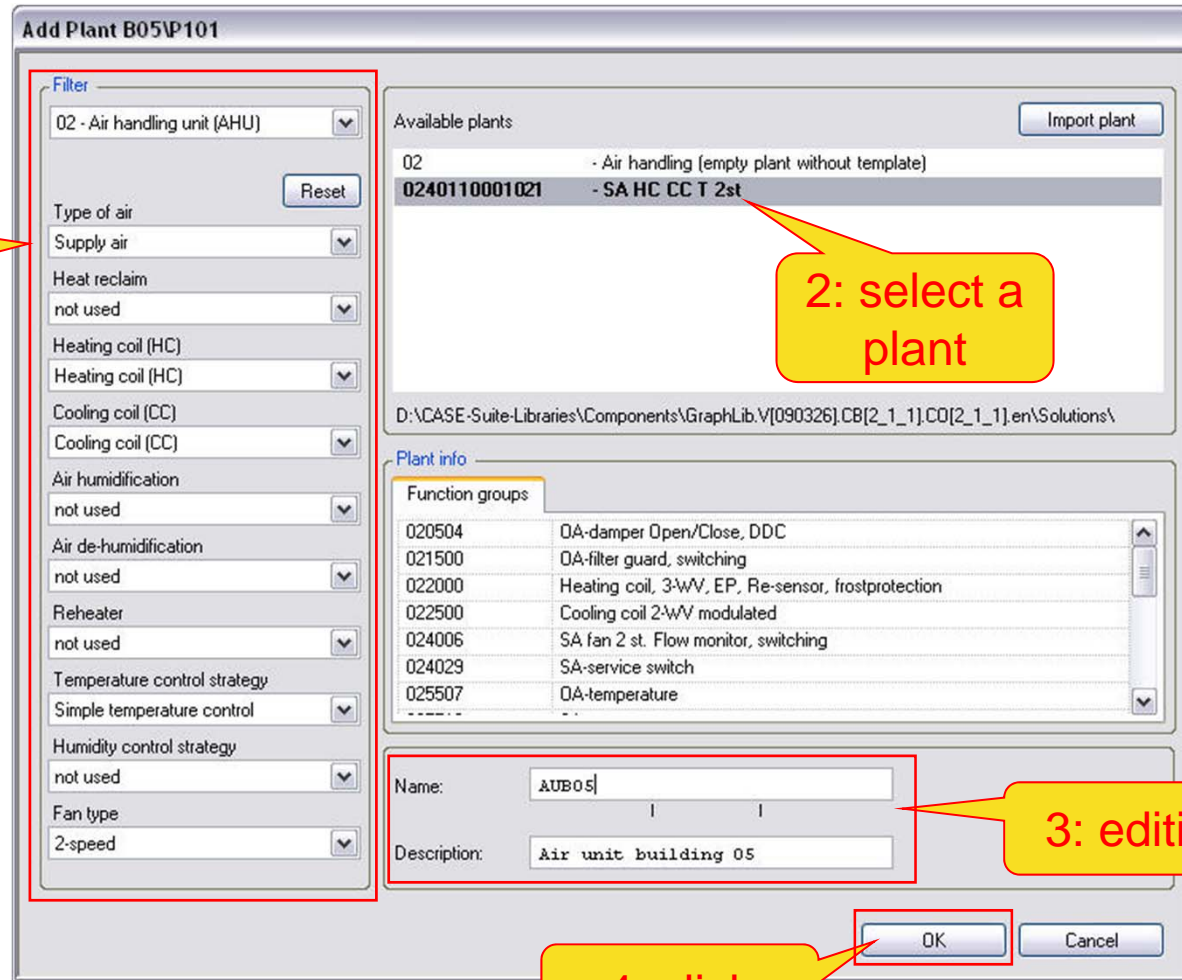
II. Creation of the project structure

3) Create a new plant



II. Creation of the project structure

4) Import a plant from the library



The screenshot shows the 'Add Plant B05P101' dialog box. It is divided into several sections:

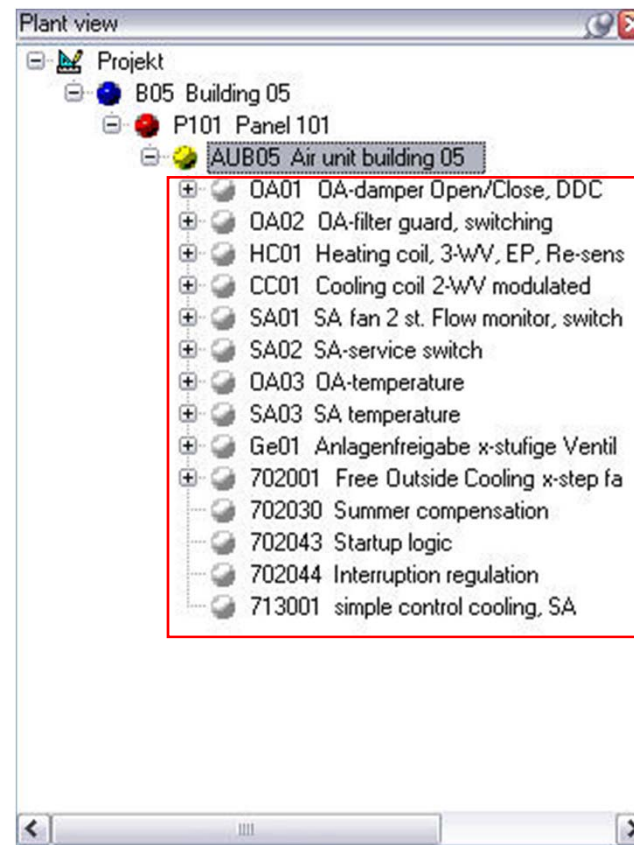
- Filter:** A list of dropdown menus for configuring the plant's characteristics, such as 'Type of air', 'Supply air', 'Heat reclaim', 'Heating coil (HC)', 'Cooling coil (CC)', 'Air humidification', 'Air de-humidification', 'Reheater', 'Temperature control strategy', 'Humidity control strategy', and 'Fan type'. A 'Reset' button is also present.
- Available plants:** A list of plant templates. The second item, '0240110001021 - SA HC CC T 2st', is highlighted. An 'Import plant' button is located to the right.
- Plant info:** A section containing a table of function groups and two text input fields for 'Name' and 'Description'.
- Buttons:** 'OK' and 'Cancel' buttons are at the bottom.

Four yellow callout boxes with red borders provide instructions:

- 1: set the filters** - Points to the 'Filter' section.
- 2: select a plant** - Points to the highlighted plant in the 'Available plants' list.
- 3: edition** - Points to the 'Name' and 'Description' input fields.
- 4: click** - Points to the 'OK' button.

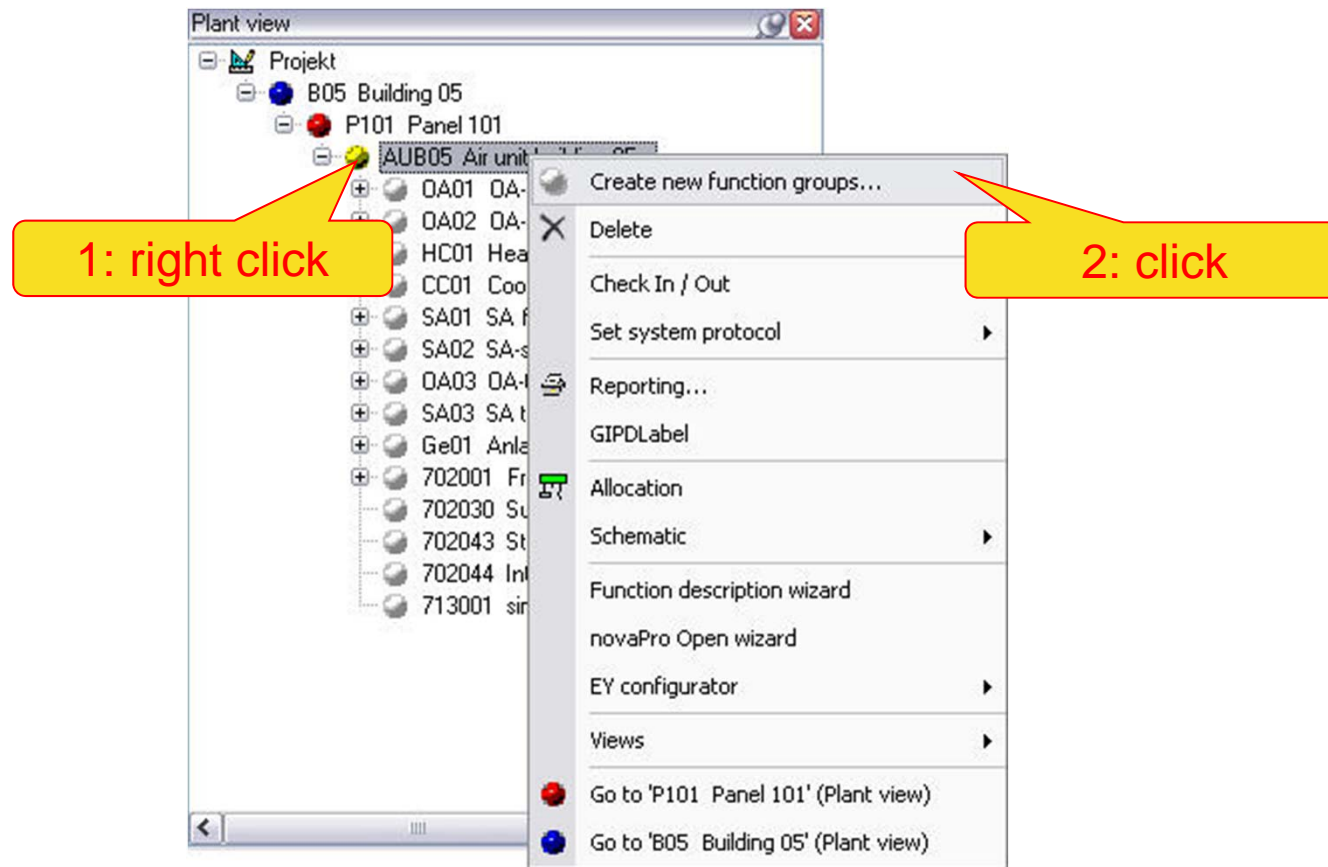
II. Creation of the project structure

5) The functions groups are imported in the structure



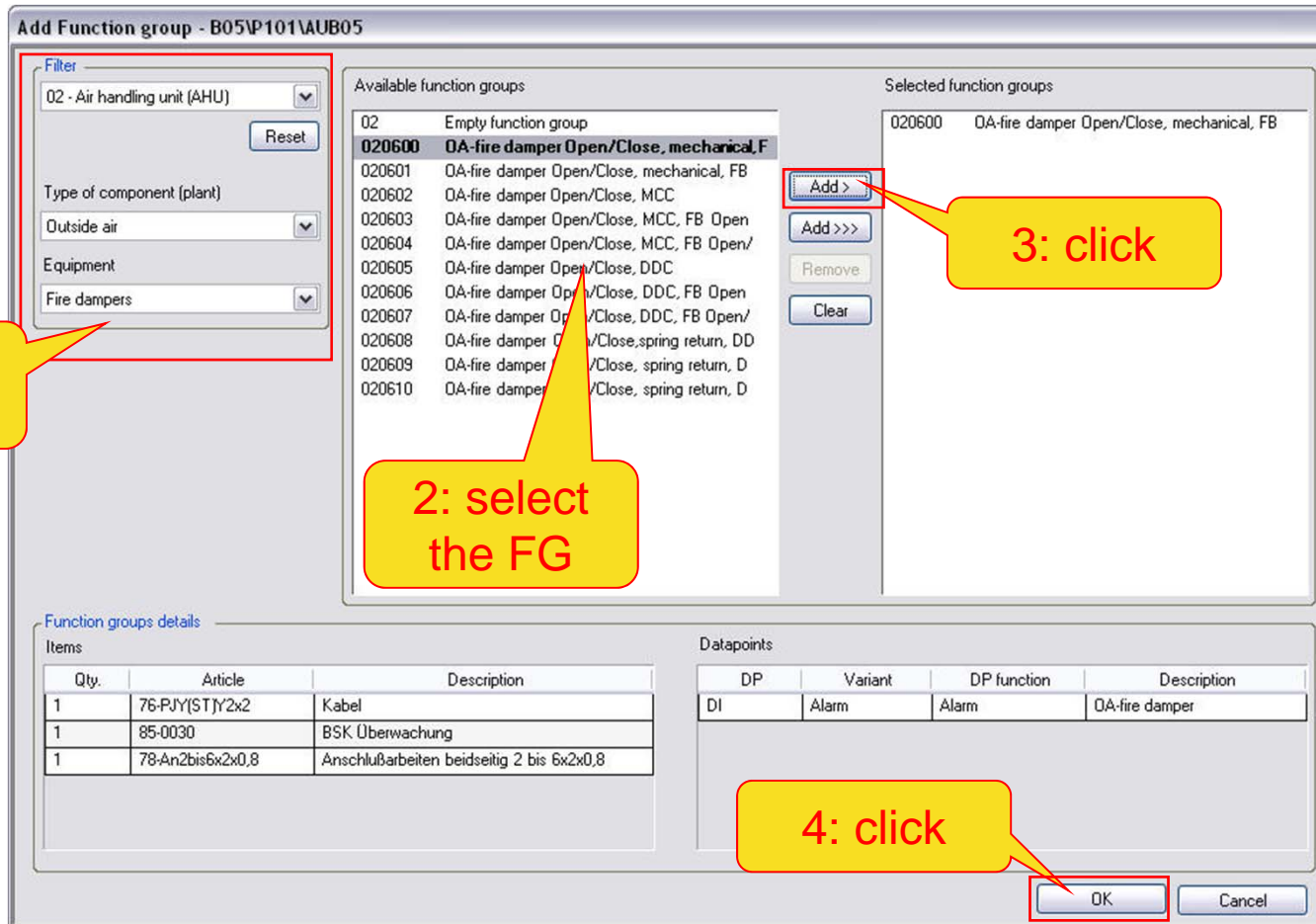
II. Creation of the project structure

6) Add a function group a the plant



II. Creation of the project structure

7) Select the function group and import in the plant



1: set the filters

2: select the FG

3: click

4: click

Function groups details

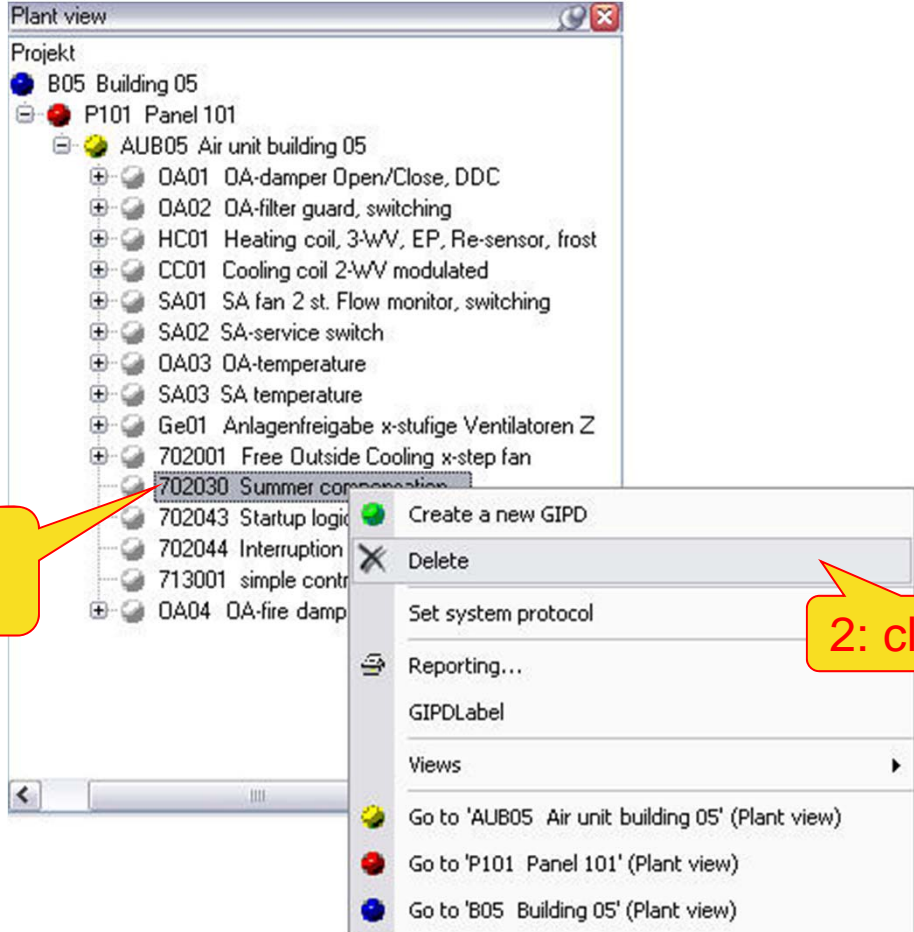
Qty.	Article	Description
1	76-PJY(ST)Y2x2	Kabel
1	85-0030	BSK Überwachung
1	78-An2bis6x2x0,8	Anschlußarbeiten beidseitig 2 bis 6x2x0,8

Datapoints

DP	Variant	DP function	Description
DI	Alarm	Alarm	OA-fire damper

II. Creation of the project structure

8) Delete a function group



Plant view

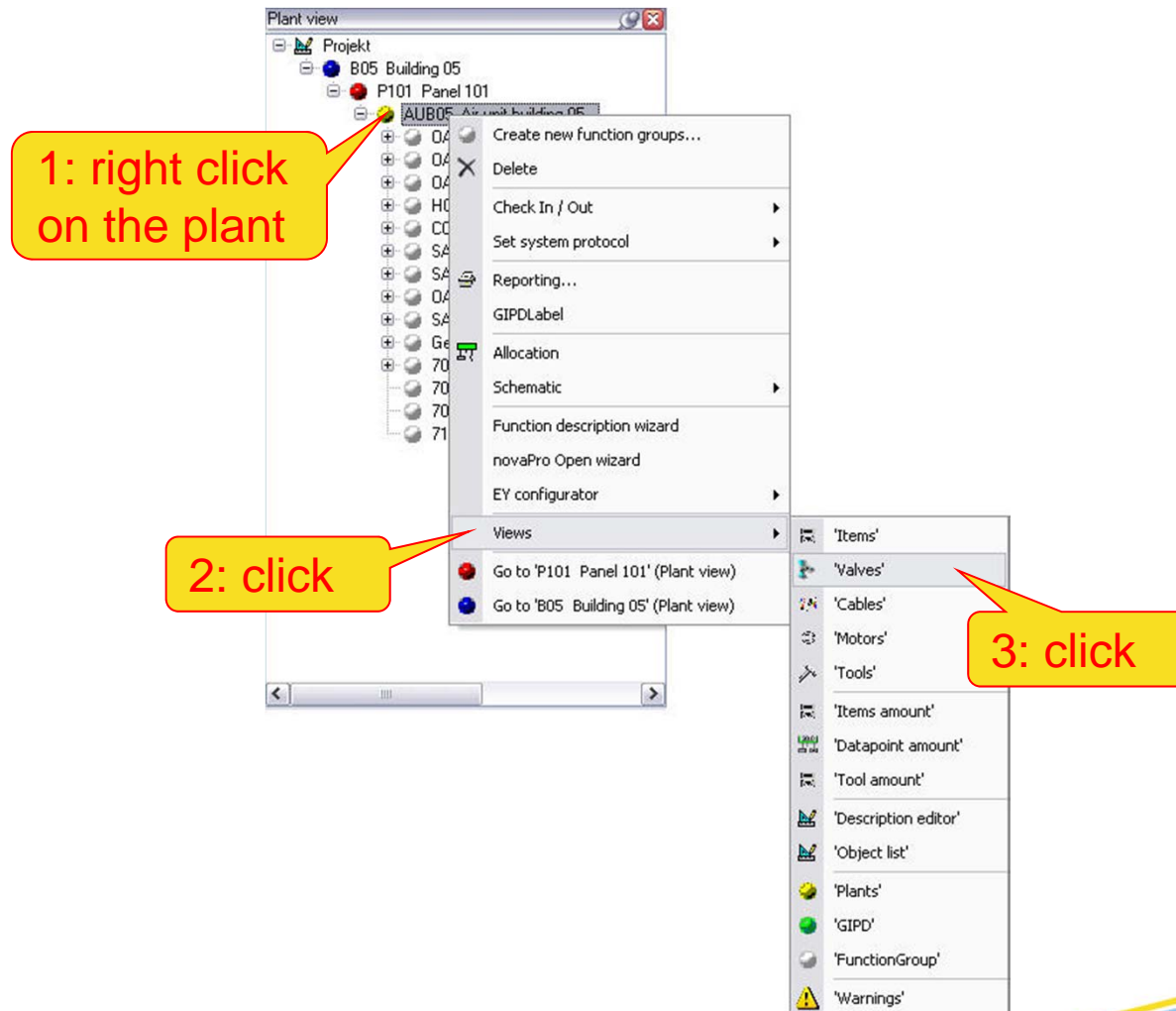
- Projekt
 - B05 Building 05
 - P101 Panel 101
 - AUB05 Air unit building 05
 - OA01 OA-damper Open/Close, DDC
 - OA02 OA-filter guard, switching
 - HC01 Heating coil, 3-WV, EP, Re-sensor, frost
 - CC01 Cooling coil 2-WV modulated
 - SA01 SA fan 2 st. Flow monitor, switching
 - SA02 SA-service switch
 - OA03 OA-temperature
 - SA03 SA temperature
 - Ge01 Anlagenfreigabe x-stufige Ventilatoren Z
 - 702001 Free Outside Cooling x-step fan
 - 702030 Summer connection**
 - 702043 Startup logic
 - 702044 Interruption
 - 713001 simple contr
 - OA04 OA-fire damp

1: right click on the FG

2: click

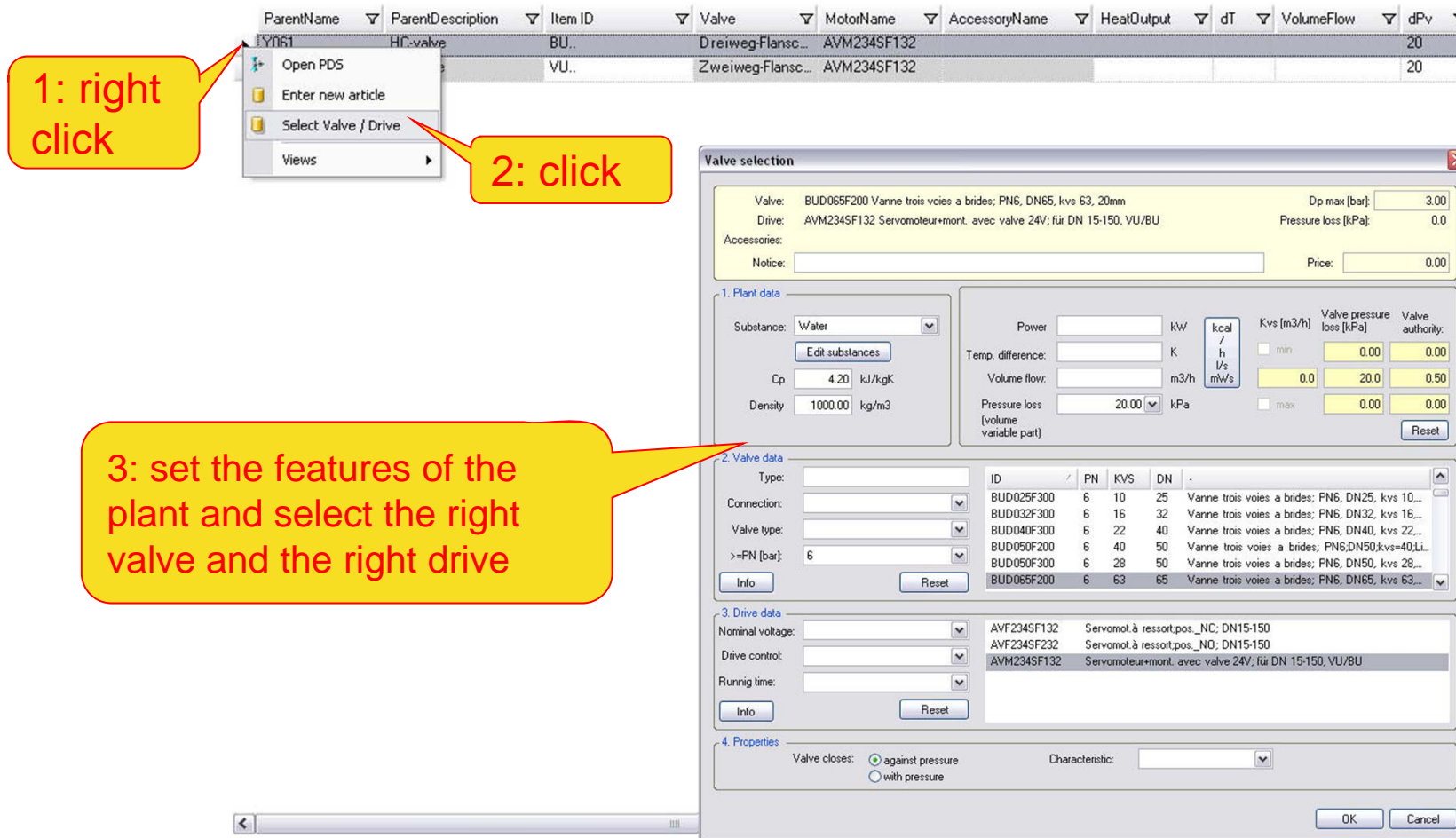
III. Selection of valves and drives

1) Open the “Valves” view



III. Selection of valves and drives

2) Open the “Valve selection” tool



1: right click

2: click

3: set the features of the plant and select the right valve and the right drive

ParentName	ParentDescription	Item ID	Valve	MotorName	AccessoryName	HeatOutput	dT	VolumeFlow	dPv
Y061	HC-valve	BU..	Dreiweg-Flansc...	AVM234SF132					20
		VU..	Zweiweg-Flansc...	AVM234SF132					20

Valve selection

Valve: BUD065F200 Vanne trois voies a brides; PN6, DN65, kvs 63, 20mm
Drive: AVM234SF132 Servomoteur+mont. avec valve 24V; für DN 15-150, VU/BU
Accessories:
Notice:
Price: 0.00

Dp max [bar]: 3.00
Pressure loss [kPa]: 0.0

1. Plant data

Substance: Water
Cp: 4.20 kJ/kgK
Density: 1000.00 kg/m3

Power: kW
Temp. difference: K
Volume flow: m3/h
Pressure loss (volume variable part): 20.00 kPa

Kvs [m3/h]
Valve pressure loss [kPa]
Valve authority:

2. Valve data

Type	ID	PN	KVS	DN	
	BUD025F300	6	10	25	Vanne trois voies a brides; PN6, DN25, kvs 10...
	BUD032F300	6	16	32	Vanne trois voies a brides; PN6, DN32, kvs 16...
	BUD040F300	6	22	40	Vanne trois voies a brides; PN6, DN40, kvs 22...
	BUD050F200	6	40	50	Vanne trois voies a brides; PN6, DN50, kvs=40,LI...
	BUD050F300	6	28	50	Vanne trois voies a brides; PN6, DN50, kvs 28...
	BUD065F200	6	63	65	Vanne trois voies a brides; PN6, DN65, kvs 63...

3. Drive data

Nominal voltage: AVF234SF132 Servomot. à ressort, pos. NC; DN15-150
Drive control: AVF234SF232 Servomot. à ressort, pos. NO; DN15-150
Running time: AVM234SF132 Servomoteur+mont. avec valve 24V; für DN 15-150, VU/BU

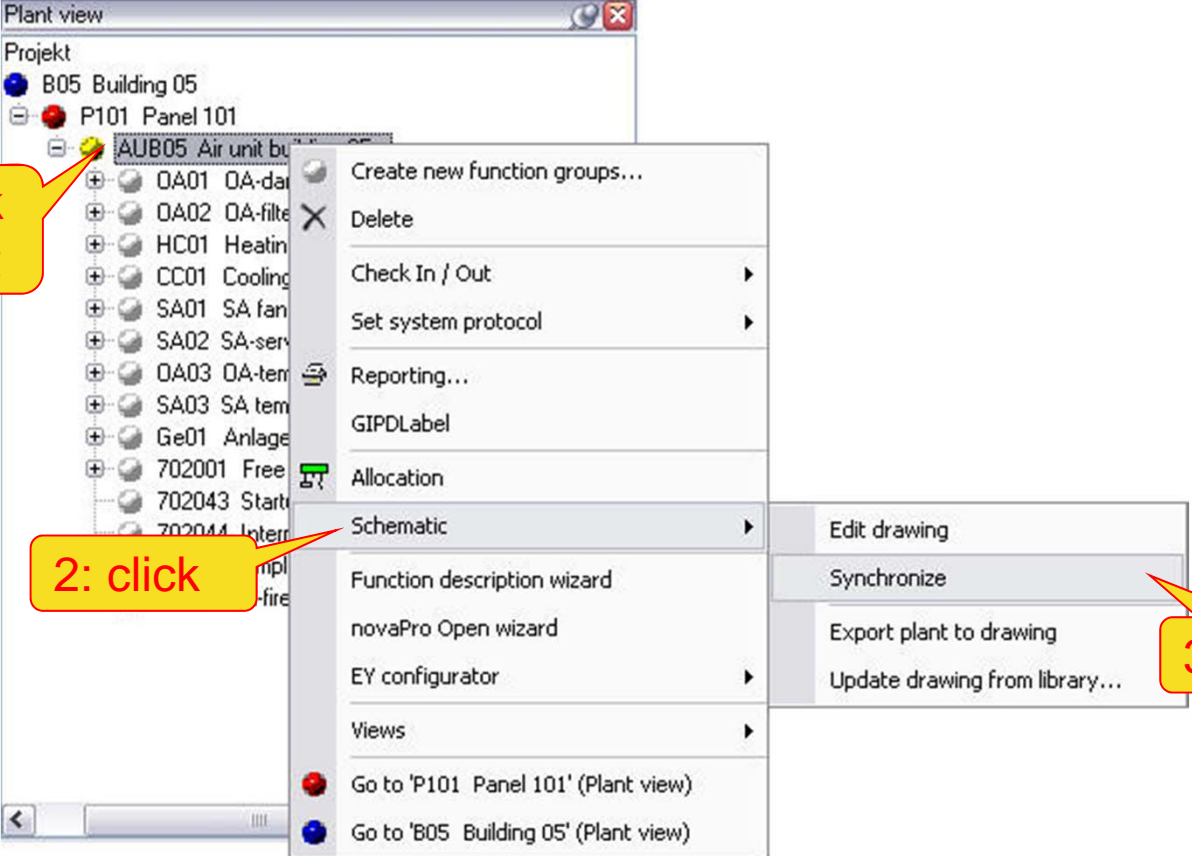
4. Properties

Valve closes: against pressure with pressure
Characteristic:

OK Cancel

IV. Creation of the plant drawing

1) Open the synchronization window



1: right click on the plant

2: click

3: click

The screenshot shows the 'Plant view' window with a tree view of the project structure. The tree view includes the following items:

- Projekt
 - B05 Building 05
 - P101 Panel 101
 - AUB05 Air unit bu
 - OA01 OA-da
 - OA02 OA-filte
 - HC01 Heatin
 - CC01 Cooling
 - SA01 SA fan
 - SA02 SA-serv
 - OA03 OA-tem
 - SA03 SA tem
 - Ge01 Anlage
 - 702001 Free
 - 702043 Start
 - 702044 Intern

The context menu is open over the 'AUB05 Air unit bu' node, showing the following options:

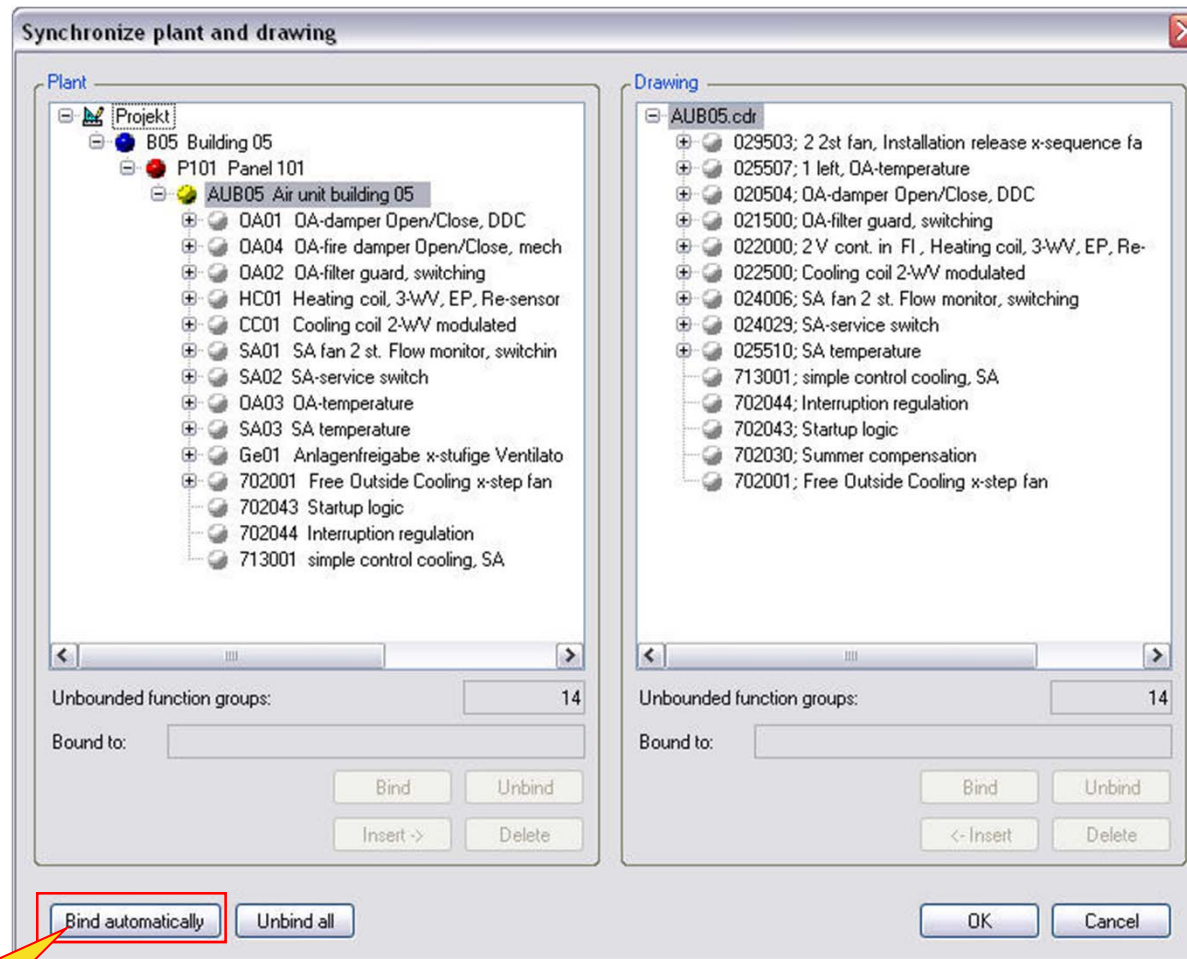
- Create new function groups...
- Delete
- Check In / Out
- Set system protocol
- Reporting...
- GIPDLabel
- Allocation
- Schematic
- Function description wizard
- novaPro Open wizard
- EY configurator
- Views
- Go to 'P101 Panel 101' (Plant view)
- Go to 'B05 Building 05' (Plant view)

The 'Schematic' option is selected, opening a sub-menu with the following options:

- Edit drawing
- Synchronize
- Export plant to drawing
- Update drawing from library...

IV. Creation of the plant drawing

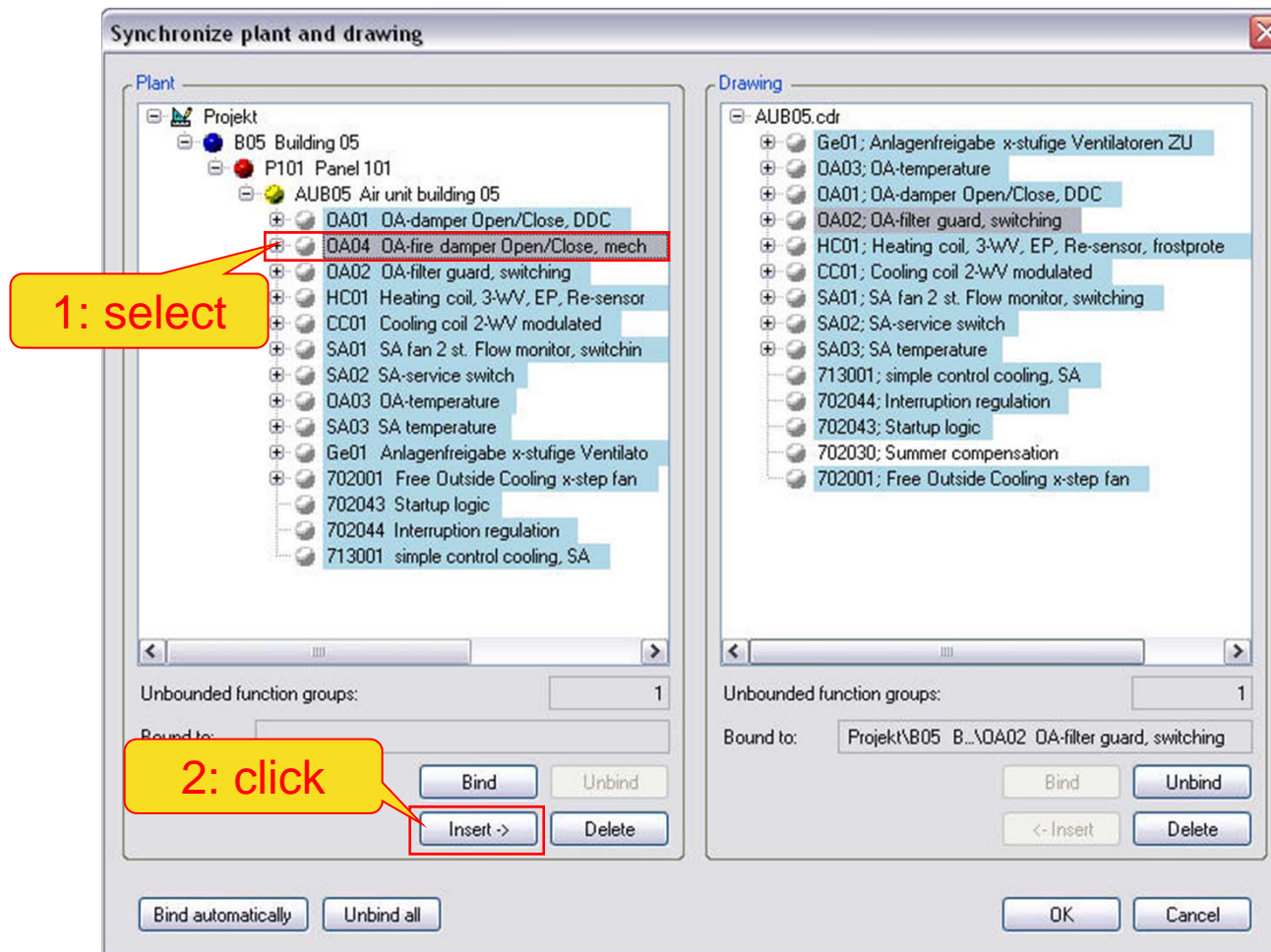
2) Bind automatically all the FG



click

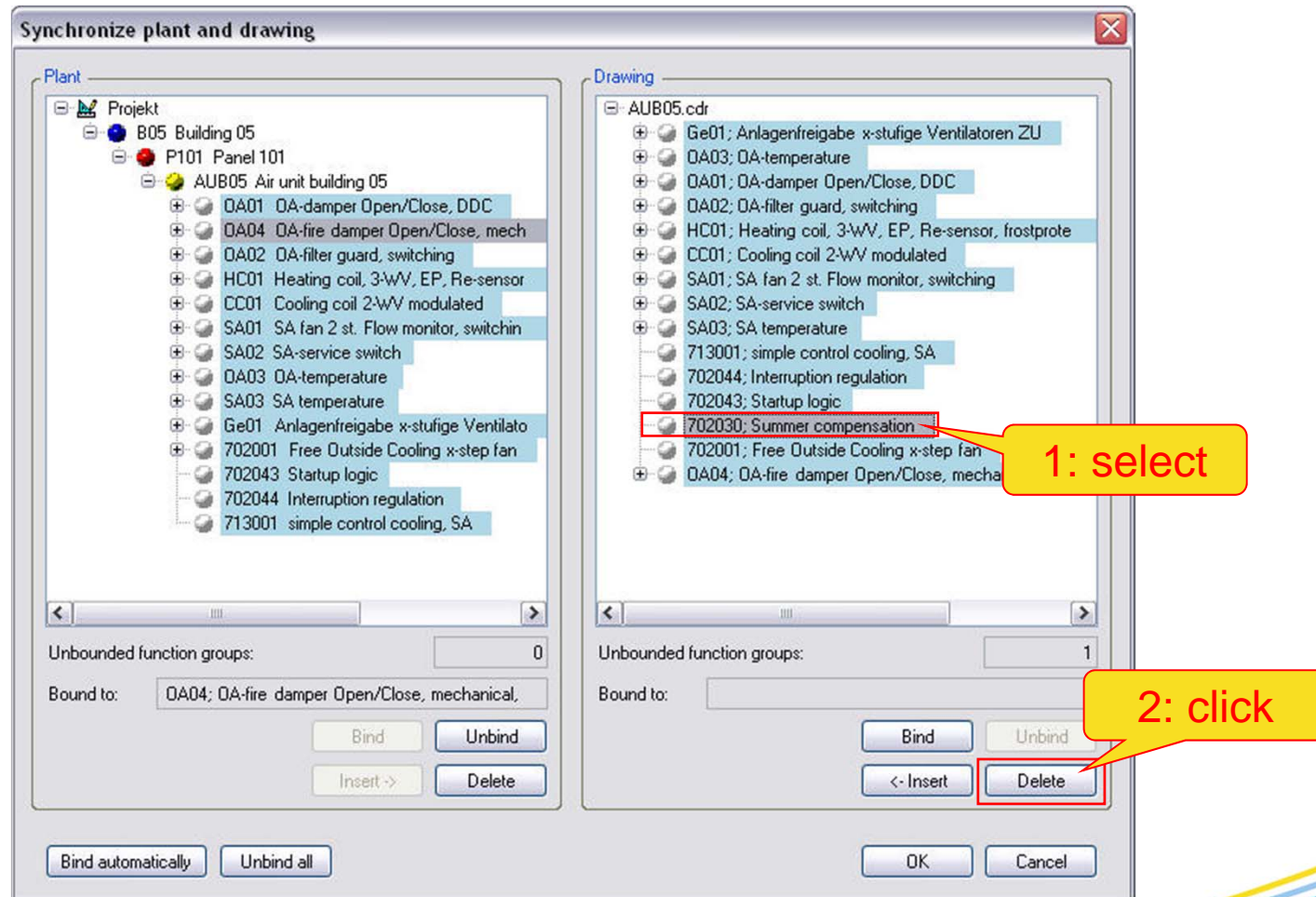
IV. Creation of the plant drawing

3) Insert the new FG (in white -> not synchronized) in the drawing



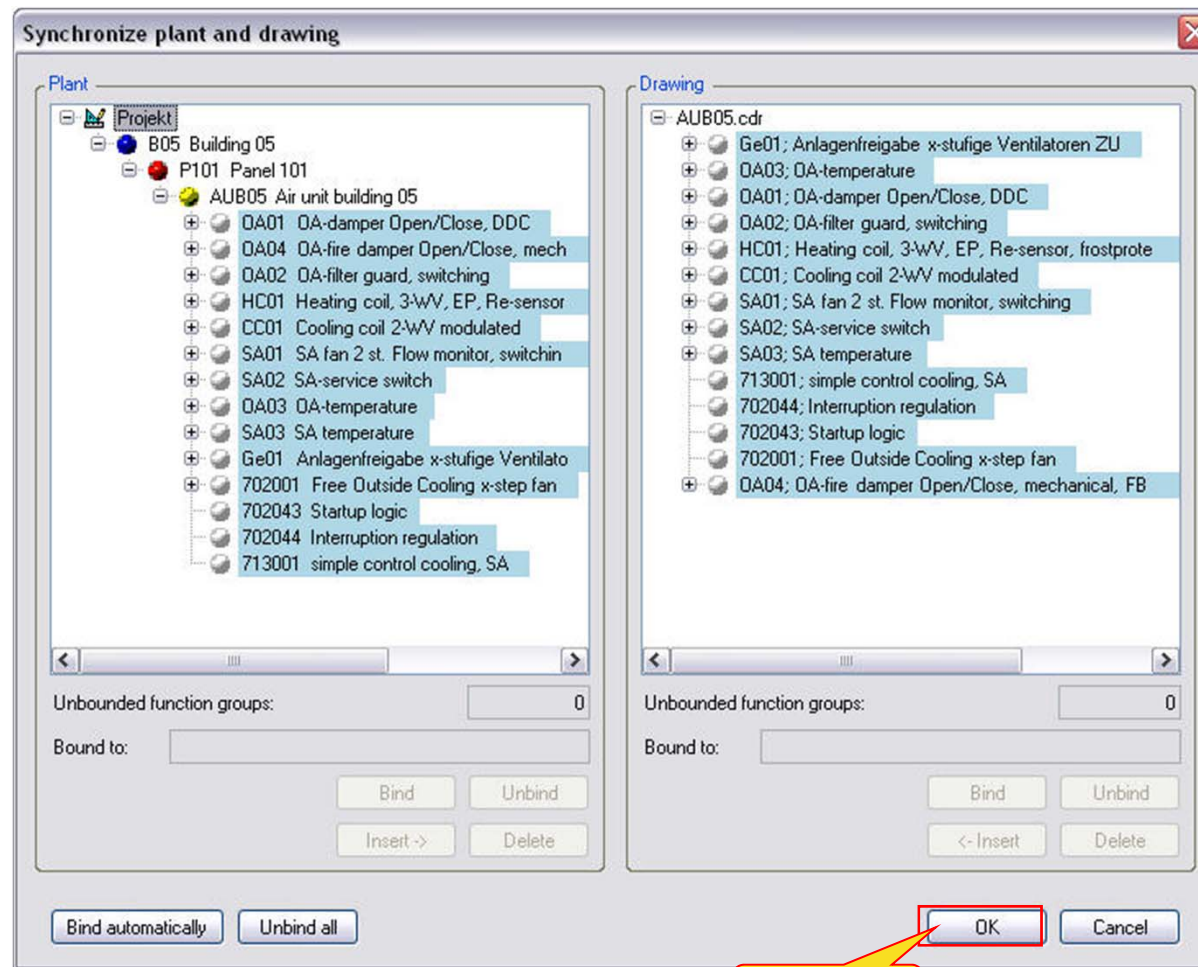
IV. Creation of the plant drawing

4) Delete the FG in the drawing which are deleted in the CB project



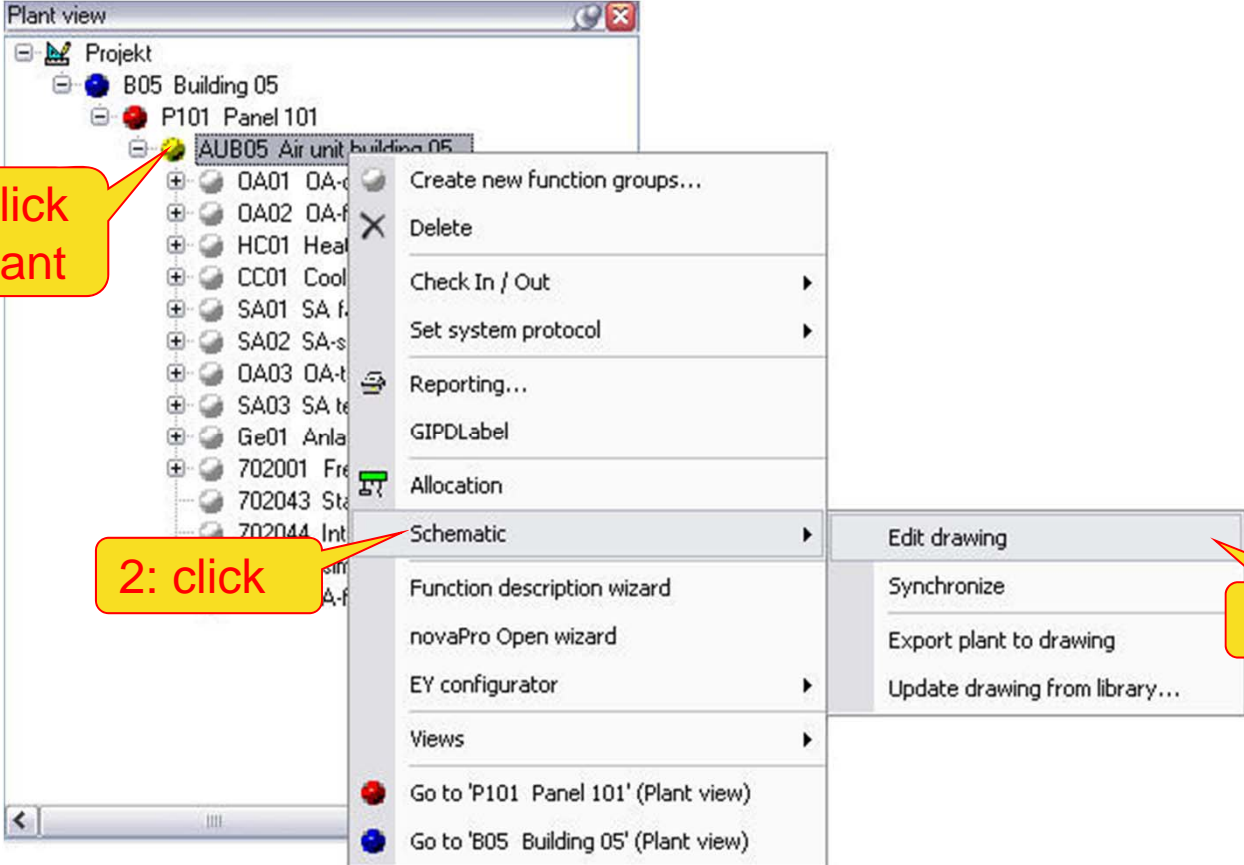
IV. Creation of the plant drawing

5) All the FG are synchronized



IV. Creation of the plant drawing

6) Open the drawing



1: right click on the plant

2: click

3: click

Plant view

- Projekt
 - B05 Building 05
 - P101 Panel 101
 - AUB05 Air unit building.05
 - OA01 OA-d
 - OA02 OA-f
 - HC01 Heat
 - CC01 Cool
 - SA01 SA f
 - SA02 SA-s
 - OA03 OA-t
 - SA03 SA te
 - Ge01 Anla
 - 702001 Fre
 - 702043 Sta
 - 702044 Int

Create new function groups...

Delete

Check In / Out

Set system protocol

Reporting...

GIPDLabel

Allocation

Schematic

Function description wizard

novaPro Open wizard

EY configurator

Views

Go to 'P101 Panel 101' (Plant view)

Go to 'B05 Building 05' (Plant view)

Edit drawing

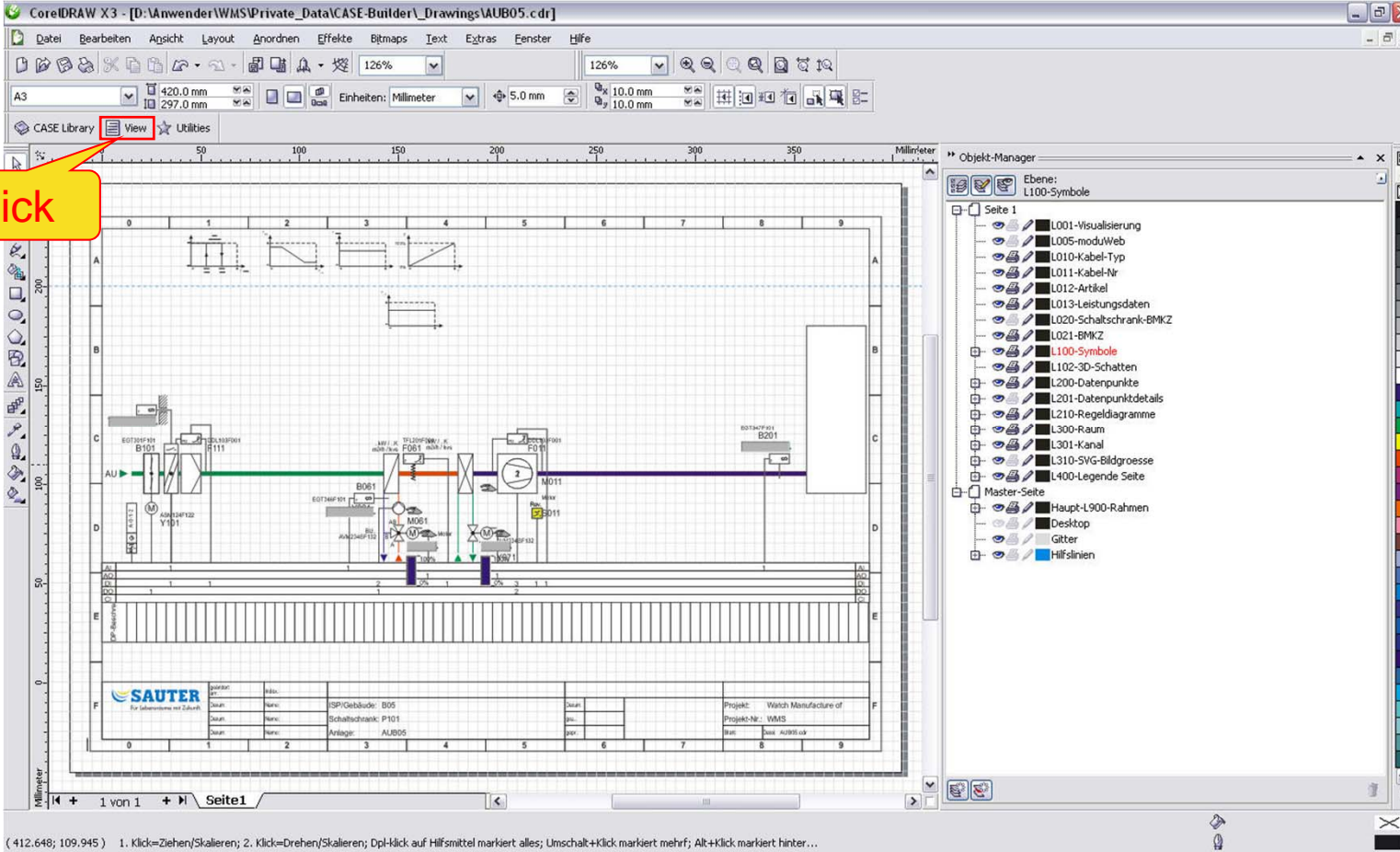
Synchronize

Export plant to drawing

Update drawing from library...

IV. Creation of the plant drawing

7) Select the view menu



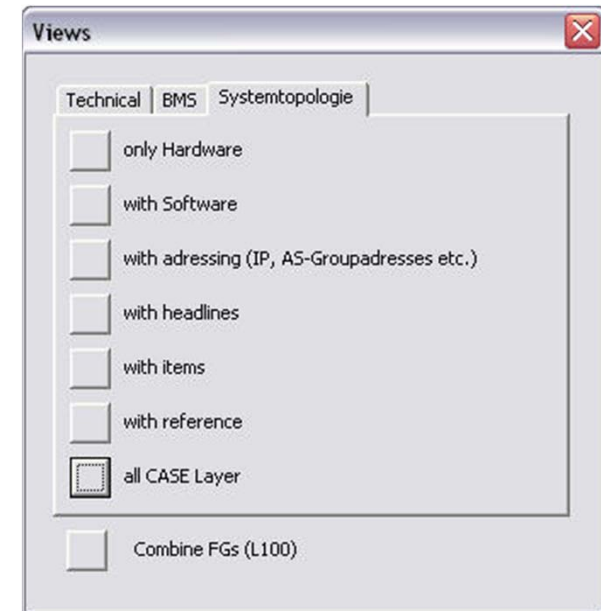
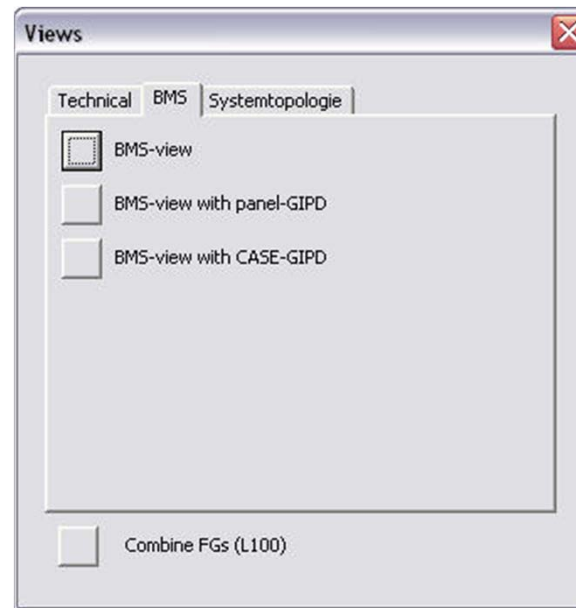
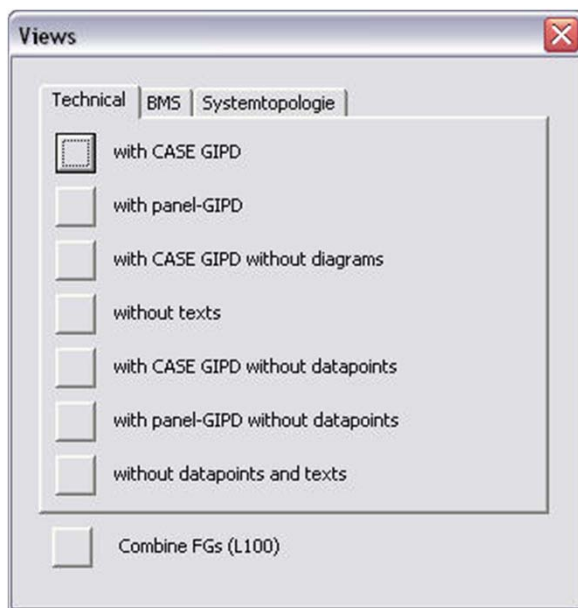
The screenshot shows the CorelDRAW X3 interface with a technical drawing of a plant. A red callout box with the word "click" points to the "View" menu in the top toolbar. The drawing area shows a complex piping system with various components labeled. The "Objekt-Manager" panel on the right lists various objects and layers.

Objekt-Manager
Ebene: L100-Symbole
Seite 1
L001-Visualisierung
L005-moduWeb
L010-Kabel-Typ
L011-Kabel-Nr
L012-Artikel
L013-Leistungsdaten
L020-Schaltschrank-BMKZ
L021-BMKZ
L100-Symbole
L102-3D-Schatten
L200-Datenpunkte
L201-Datenpunktetails
L210-Regeldiagramme
L300-Raum
L301-Kanal
L310-SVG-Bildgrosse
L400-Legende Seite
Master-Seite
Haupt-L900-Rahmen
Desktop
Gitter
Hilfslinien

(412.648; 109.945) 1. Klick=Ziehen/Skalieren; 2. Klick=Drehen/Skalieren; Dbl-Klick auf Hilfsmittel markiert alles; Umschalt+Klick markiert mehrf; Alt+Klick markiert hinter...

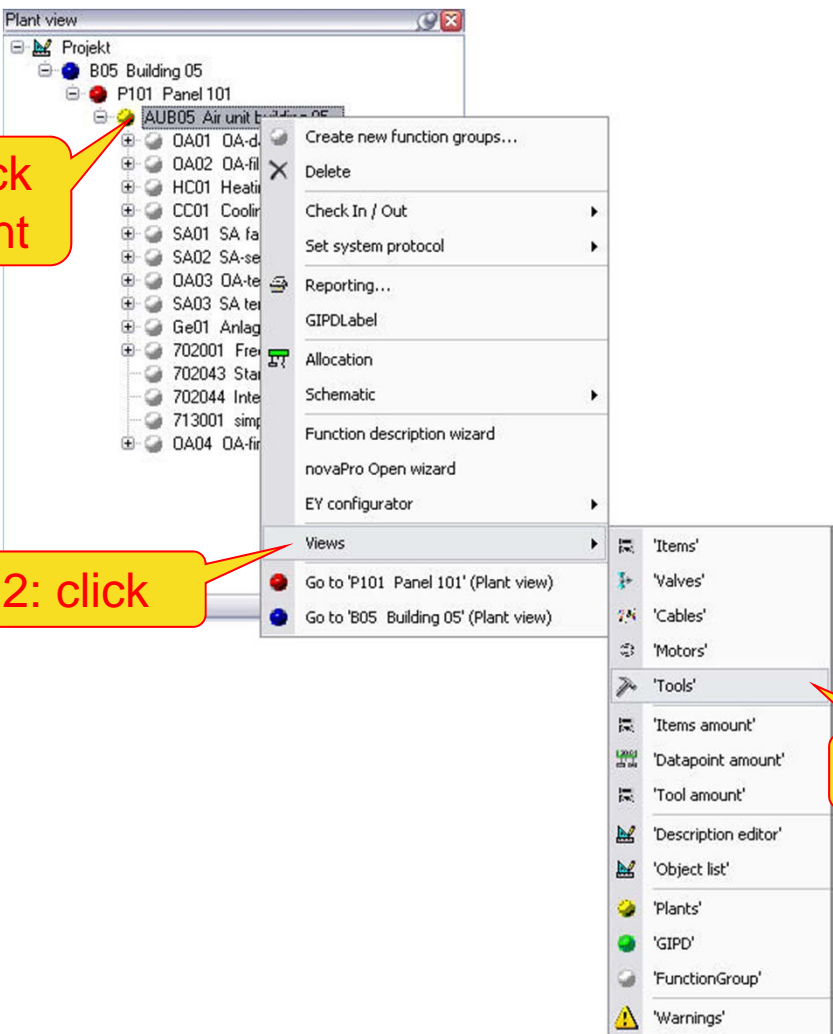
IV. Creation of the plant drawing

8) Select a view



V. Creation of the function description

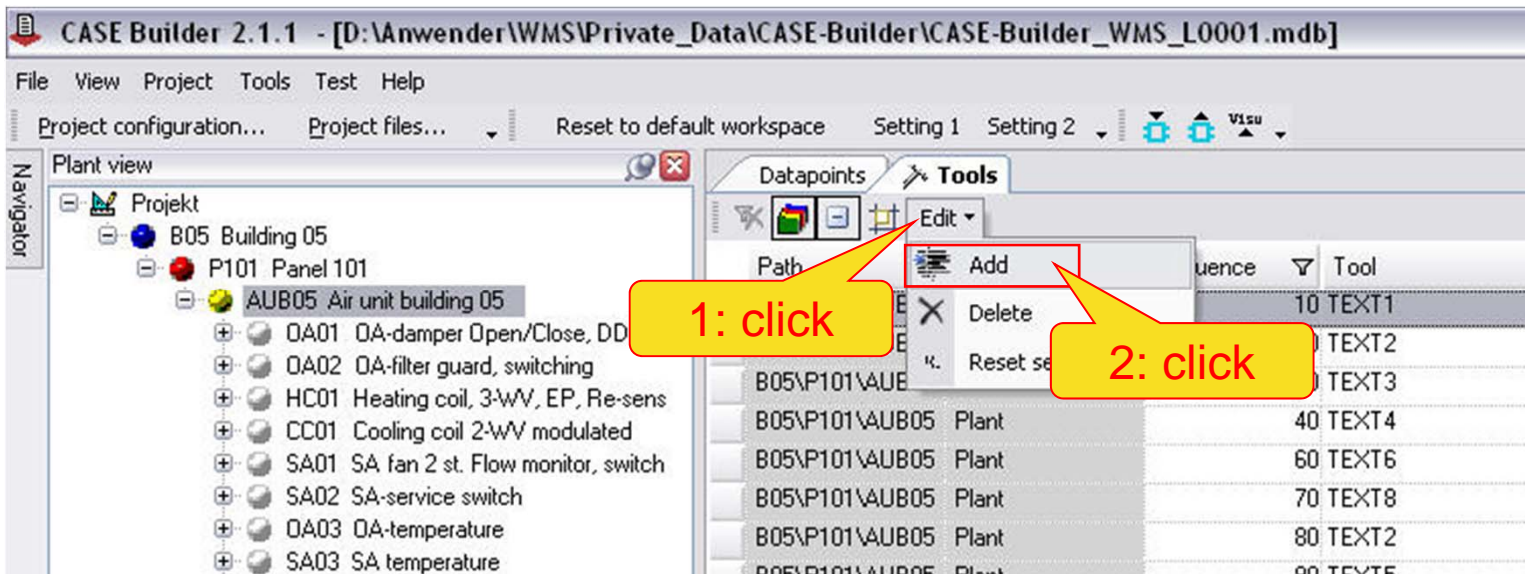
1) Open the “tools” view



The screenshot shows a 'Plant view' window with a tree structure. The tree includes 'Projekt', 'B05 Building 05', 'P101 Panel 101', and 'AUB05 Air unit'. A context menu is open over 'AUB05 Air unit', listing options like 'Create new function groups...', 'Delete', 'Check In / Out', 'Set system protocol', 'Reporting...', 'GIPDLabel', 'Allocation', 'Schematic', 'Function description wizard', 'novaPro Open wizard', and 'EY configurator'. The 'Views' option is selected, opening a sub-menu with items: 'Items', 'Valves', 'Cables', 'Motors', 'Tools', 'Items amount', 'Datapoint amount', 'Tool amount', 'Description editor', 'Object list', 'Plants', 'GIPD', 'FunctionGroup', and 'Warnings'. Three red callout bubbles with yellow text provide instructions: '1: right click on the plant' points to the right-click on 'AUB05 Air unit'; '2: click' points to the 'Views' menu item; '3: click' points to the 'Tools' sub-menu item.

V. Creation of the function description

2) Add the document model file (step1)



V. Creation of the function description

3) Add the document model file (step2)

Path	GroupText	Sequence	Tool	ToolDescription	ShortName
B05\VP101\AUB05	Plant	10	TEXT1	Überschrift "Anlage - Übersicht - Standort - Anlagenaufbau"	_UebAnl
B05\VP101\AUB05	Plant	20	TEXT2	Überschrift "Bedienung"	_UebBed
B05\VP101\AUB05	Plant	30	TEXT3	Überschrift "Abschaltung"	_UebAbsch
B05\VP101\AUB05	Plant	40	TEXT4	Überschrift "Regelfunktionen"	_UebReg
B05\VP101\AUB05	Plant	60	TEXT6	Überschrift "Regelung"	_Reg
B05\VP101\AUB05	Plant	70	TEXT8	Überschrift "Steuerung"	_Steu
B05\VP101\AUB05	Plant	80	TEXT2	HS Schalter "Hand Aus Auto" auf GLT	x95_HQA-GLT_...
B05\VP101\AUB05	Plant	90	TEXT5	Überschrift "Ein	_UebEinst
B05\VP101\AUB05	Plant	0	TEXT		
B05\VP101\AUB0...	Function group	20			20504
B05\VP101\AUB0...	Function group	30	FBD	Function block diagram	205_AU-Steu
B05\VP101\AUB0...	Function group	40	ILS	Picture file for novaPro Open	205_AU_UebAufb
B05\VP101\AUB0...	Plant device	20	TEXT	Function description	205_AU_Steu
B05\VP101\AUB0...	Plant device	30	TEXT1	Cover page, table of contents	205_az_Steu
B05\VP101\AUB0...	Plant	0	TEXT2	Text block (2)	234Dmp10u
B05\VP101\AUB0...	Function	0	TEXT3	Line signature	21500
B05\VP101\AUB0...	Function group	40	TEXT4	Headlines for plant components	215_AU-sch_S...
B05\VP101\AUB0...	Function group	50	TEXT5	Line location	215_AU_UebAufb
B05\VP101\AUB0...	Plant device	30	TEXT6	Headline "Control loops"	215_AU_Steu
B05\VP101\AUB0...	Plant device	40	TEXT7	Control loop description	Einstellwert
B05\VP101\AUB0...	Function group	30	TEXT8	Headline "Control"	22001
B05\VP101\AUB0...	Function group	40	TEXT9	Control description	220_LE_Steu
B05\VP101\AUB0...	Function group	50	TEXT11	LE Luftherhitzer	220_LE_UebAufb
B05\VP101\AUB0...	Plant device	10	TEXT3	LE Auslösen Frostschutzüberwachung luftseitig	220_FW_UebAb...
B05\VP101\AUB0...	Plant device	30	TEXT9	LE Frostschutzüberwachung luftseitig	220_LE-FS_Steu

1: click

2: click

V. Creation of the function description

4) Add the document model file (step3)

Path	GroupText	Sequence	Tool	ToolDescription	ShortName
B05\P101\AUB05	Plant	10	TEXT1	Überschrift "Anlage - Übersicht - Standort - Anlagenaufbau"	_UebAnl
B05\P101\AUB05	Plant	20	TEXT2	Überschrift "Bedienung"	_UebBed
B05\P101\AUB05	Plant	30	TEXT3	Überschrift "Abschaltung"	_UebAbsch
B05\P101\AUB05	Plant	40	TEXT4	Überschrift "Regelfunktionen"	_UebReg
B05\P101\AUB05	Plant	60	TEXT6	Überschrift "Regelung"	Reg
B05\P101\AUB05	Plant	70	TEXT8	Überschrift "Steuerung"	Ste
B05\P101\AUB05	Plant	80	TEXT2	HS Schalter "Hand-Aus-Auto" auf GLT	HS
B05\P101\AUB05	Plant	90	TEXT5	Überschrift "Einstellwerte Feldgeräte"	Einst
B05\P101\AUB05	Plant	0	TEXT	Vorbemerkungen	AllgTitlnh
B05\P101\AUB0...	Function group	20	ILS		
B05\P101\AUB0...	Function group	30	TEXT9		
B05\P101\AUB0...	Function group	40	TEXT1		
B05\P101\AUB0...	Plant device	20	TEXT		
B05\P101\AUB0...	Plant device	30	TEXT		
B05\P101\AUB0...	Plant device	40	FBD		
B05\P101\AUB0...	Function group	30	ILS		
B05\P101\AUB0...	Function group	40	TEXT9		
B05\P101\AUB0...	Function group	50	TEXT1		
B05\P101\AUB0...	Plant device	30	TEXT9		
B05\P101\AUB0...	Plant device	40	TEXT5		
B05\P101\AUB0...	Function group	30	ILS		
B05\P101\AUB0...	Function group	40	TEXT9		
B05\P101\AUB0...	Function group	50	TEXT1		
B05\P101\AUB0...	Plant device	10	TEXT3		
B05\P101\AUB0...	Plant device	30	TEXT9		
B05\P101\AUB0...	Plant device	40	TEXT5		
B05\P101\AUB0...	Plant device	10	TEXT9		
B05\P101\AUB0...	Plant device	20	TEXT2		
B05\P101\AUB0...	Plant device	30	TEXT3		
B05\P101\AUB0...	Plant device	40	FBD		
B05\P101\AUB0...	Plant device	10	TEXT9		
B05\P101\AUB0...	Plant device	20	FBD		
B05\P101\AUB0...	Function group	30	ILS		
B05\P101\AUB0...	Function group	40	TEXT9		
B05\P101\AUB0...	Function group	50	TEXT1		
B05\P101\AUB0...	Plant device	10	TEXT9		

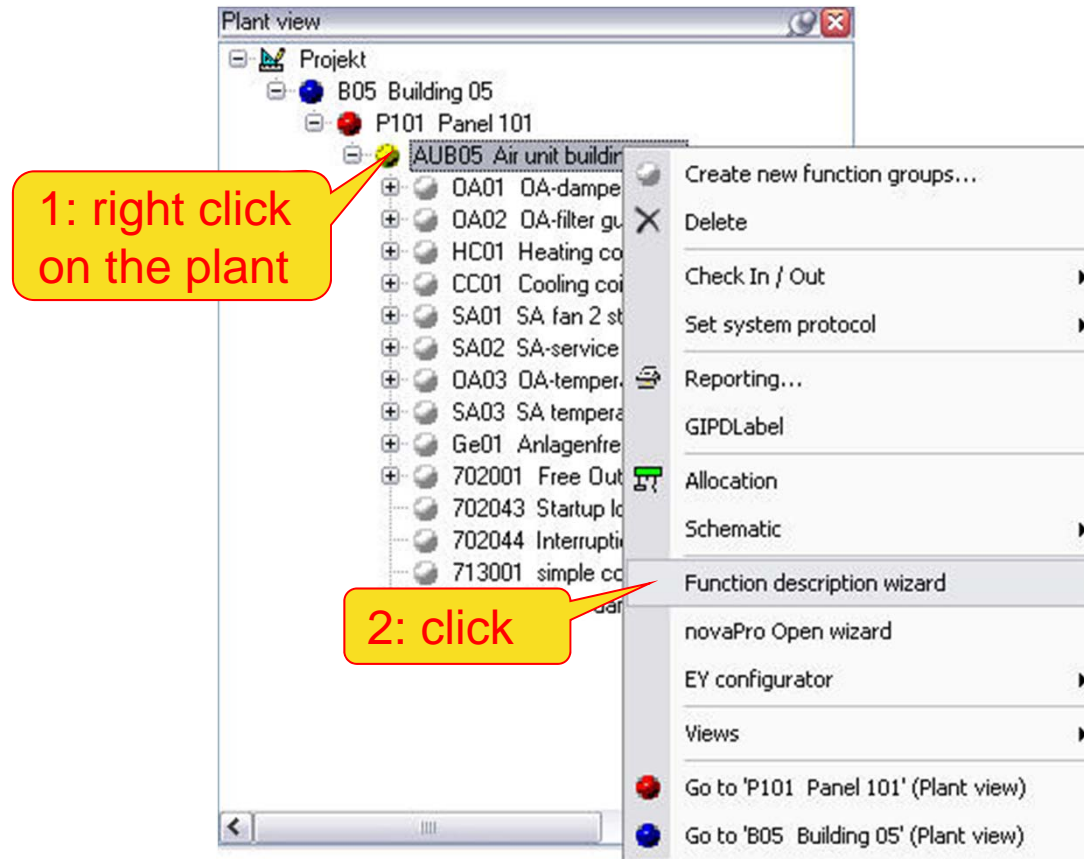
ShortName	Description
AllgTitlnh	Vorbemerkungen
11x_RV_AbgasW	Snelvertaler.nl/Fastranslator.com
11x_T_UebAuf	Snelvertaler.nl/Fastranslator.com
13x_2wV-3pkt_U	Snelvertaler.nl/Fastranslator.com
13x_2wV-stet_U	Snelvertaler.nl/Fastranslator.com
13x_3wV-3pkt_U	Snelvertaler.nl/Fastranslator.com
13x_3wV-stet_U	Snelvertaler.nl/Fastranslator.com
13x_DP_UebAuf	Snelvertaler.nl/Fastranslator.com
13x_PU-Drz_Ueb	Snelvertaler.nl/Fastranslator.com
13x_PU2x_UebA	Snelvertaler.nl/Fastranslator.com
13x_PU_UebAuf	Snelvertaler.nl/Fastranslator.com
13x_STW-FBH_	Snelvertaler.nl/Fastranslator.com
13x_PU_Steu	Snelvertaler.nl/Fastranslator.com
13x_Steu	Snelvertaler.nl/Fastranslator.com
31x_KM-1V_Ueb	Snelvertaler.nl/Fastranslator.com
31x_KM-2V_Ueb	Snelvertaler.nl/Fastranslator.com
31x_KM_Steu	Snelvertaler.nl/Fastranslator.com
33x_2wV-3pkt_U	Snelvertaler.nl/Fastranslator.com
33x_2wV-stet_U	Snelvertaler.nl/Fastranslator.com
33x_3wV-3pkt_U	Snelvertaler.nl/Fastranslator.com
33x_3wV-stet_U	Snelvertaler.nl/Fastranslator.com
33x_DP_UebAuf	Snelvertaler.nl/Fastranslator.com
33x_PU-Drz_Ueb	Snelvertaler.nl/Fastranslator.com
33x_PU2x-Drz_U	Snelvertaler.nl/Fastranslator.com
33x_PU2x_UebA	Snelvertaler.nl/Fastranslator.com
LK Regelventil	
225_RV_Steu	

1: click

2: click

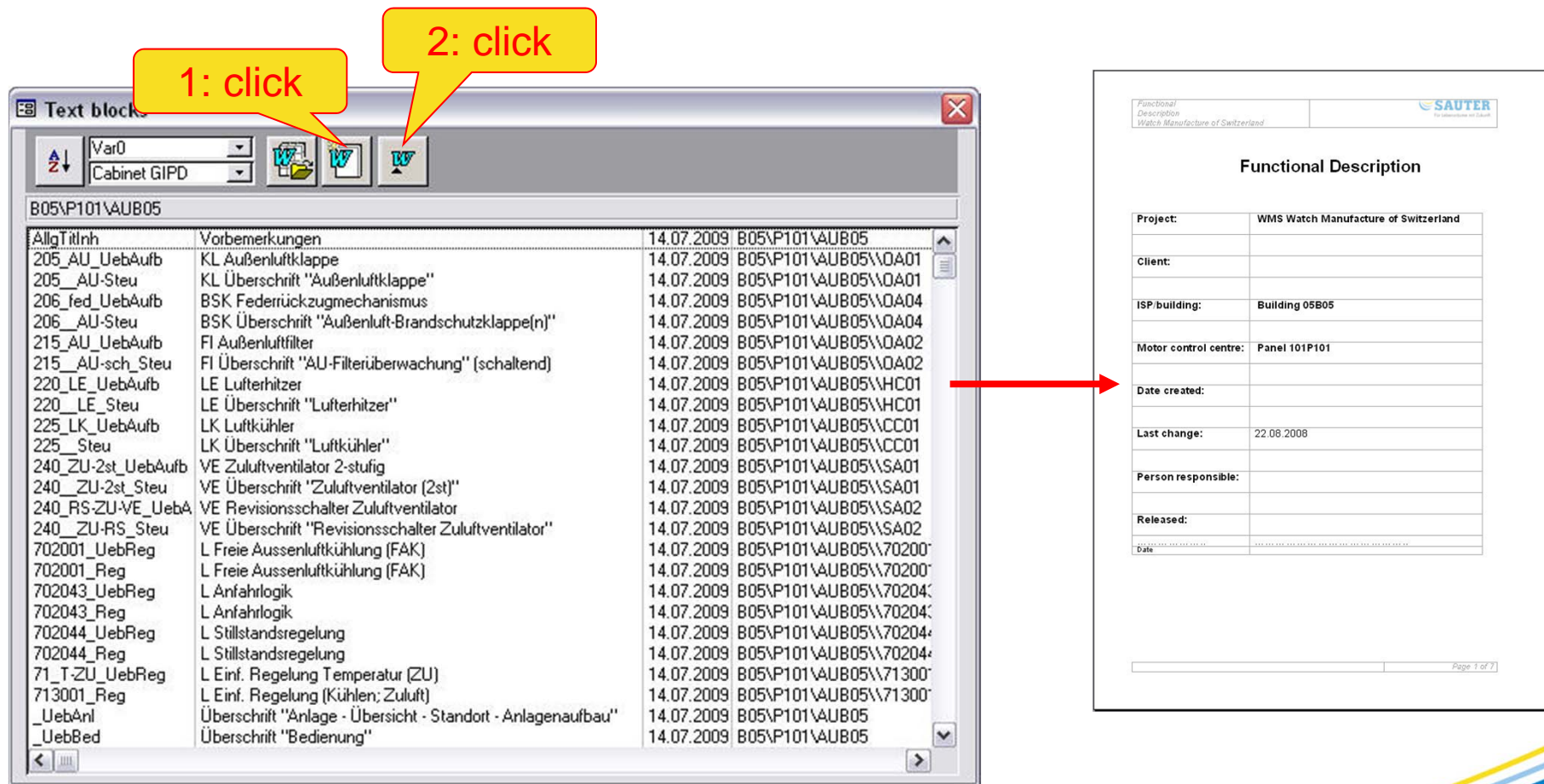
V. Creation of the function description

5) Open the function description wizard



V. Creation of the function description

6) Edition of the Word file



1: click

2: click

AllgTitlnh	Vorbemerkungen	14.07.2009	B05\P101\AUB05
205_AU_UebAufb	KL Außenluftklappe	14.07.2009	B05\P101\AUB05\DA01
205_AU_Steu	KL Überschrift "Außenluftklappe"	14.07.2009	B05\P101\AUB05\DA01
206_fed_UebAufb	BSK Federrückzugmechanismus	14.07.2009	B05\P101\AUB05\DA04
206_AU_Steu	BSK Überschrift "Außenluft-Brandschutzklappe(n)"	14.07.2009	B05\P101\AUB05\DA04
215_AU_UebAufb	FI Außenluftfilter	14.07.2009	B05\P101\AUB05\DA02
215_AU_sch_Steu	FI Überschrift "AU-Filterüberwachung" (schaltend)	14.07.2009	B05\P101\AUB05\DA02
220_LE_UebAufb	LE Lufterhitzer	14.07.2009	B05\P101\AUB05\HC01
220_LE_Steu	LE Überschrift "Lufterhitzer"	14.07.2009	B05\P101\AUB05\HC01
225_LK_UebAufb	LK Luftkühler	14.07.2009	B05\P101\AUB05\CC01
225_Steu	LK Überschrift "Luftkühler"	14.07.2009	B05\P101\AUB05\CC01
240_ZU-2st_UebAufb	VE Zuluftventilator 2-stufig	14.07.2009	B05\P101\AUB05\SA01
240_ZU-2st_Steu	VE Überschrift "Zuluftventilator (2st)"	14.07.2009	B05\P101\AUB05\SA01
240_RS-ZU-VE_UebA	VE Revisionsschalter Zuluftventilator	14.07.2009	B05\P101\AUB05\SA02
240_ZU-RS_Steu	VE Überschrift "Revisionsschalter Zuluftventilator"	14.07.2009	B05\P101\AUB05\SA02
702001_UebReg	L Freie Aussenluftkühlung (FAK)	14.07.2009	B05\P101\AUB05\70200
702001_Reg	L Freie Aussenluftkühlung (FAK)	14.07.2009	B05\P101\AUB05\70200
702043_UebReg	L Anfahlogik	14.07.2009	B05\P101\AUB05\70204
702043_Reg	L Anfahlogik	14.07.2009	B05\P101\AUB05\70204
702044_UebReg	L Stillstandsregelung	14.07.2009	B05\P101\AUB05\70204
702044_Reg	L Stillstandsregelung	14.07.2009	B05\P101\AUB05\70204
71_T-ZU_UebReg	L Einf. Regelung Temperatur (ZU)	14.07.2009	B05\P101\AUB05\71300
713001_Reg	L Einf. Regelung (Kühlen; Zuluft)	14.07.2009	B05\P101\AUB05\71300
_UebAnl	Überschrift "Anlage - Übersicht - Standort - Anlagenaufbau"	14.07.2009	B05\P101\AUB05
_UebBed	Überschrift "Bedienung"	14.07.2009	B05\P101\AUB05

Functional Description

Project: WMS Watch Manufacture of Switzerland

Client:

ISP/building: Building 05B05

Motor control centre: Panel 101P101

Date created:

Last change: 22.08.2008

Person responsible:

Released:

Date:

Page 1 of 7

VI. Generation of the BACnet object names

1) Open the data points view

The screenshot shows the 'Datapoints' software interface. A table of data points is displayed with columns for 'Data point varia', 'DataPointName', 'BlockNames', 'BlockComment', and 'BAC'. A context menu is open over the table, with the 'Generate ON' option selected. Five numbered callouts indicate the steps to generate BACnet object names:

- 1: click (Datapoints menu)
- 2: click (Data point variable column)
- 3: click (Data point name column)
- 4: click (Generate ON menu item)
- 5: click (Data point row)

	Data point varia	DataPointName	BlockNames	BlockComment	BAC
	Alarm	Servicing	BI		
		B CLOSE	BI		
		Measurement	AI		
		Man. Setpoint	AV		
	Alarm	Alarm	BI		
	command I	Switching comma	BO		
85	M061	HC-pump	DI	FB I	FB operation
86	M061	HC-pump	DI	Alarm	Alarm
88	Y061	HC-valve	AO	0..10V	Positioning signal
90	Y071	CC-valve	AO	0..10V	Positioning signal
71	Y101	QA-damper	DO	command I	Switching comma
97	M011	SA-fan	DO	command I	Com.St.1
98	M011	SA-fan	DO	command II	Com.St.2
99	M011	SA-fan	DI	FB I	FB st.1
100	M011	SA-fan	DI	FB II	FB st.2

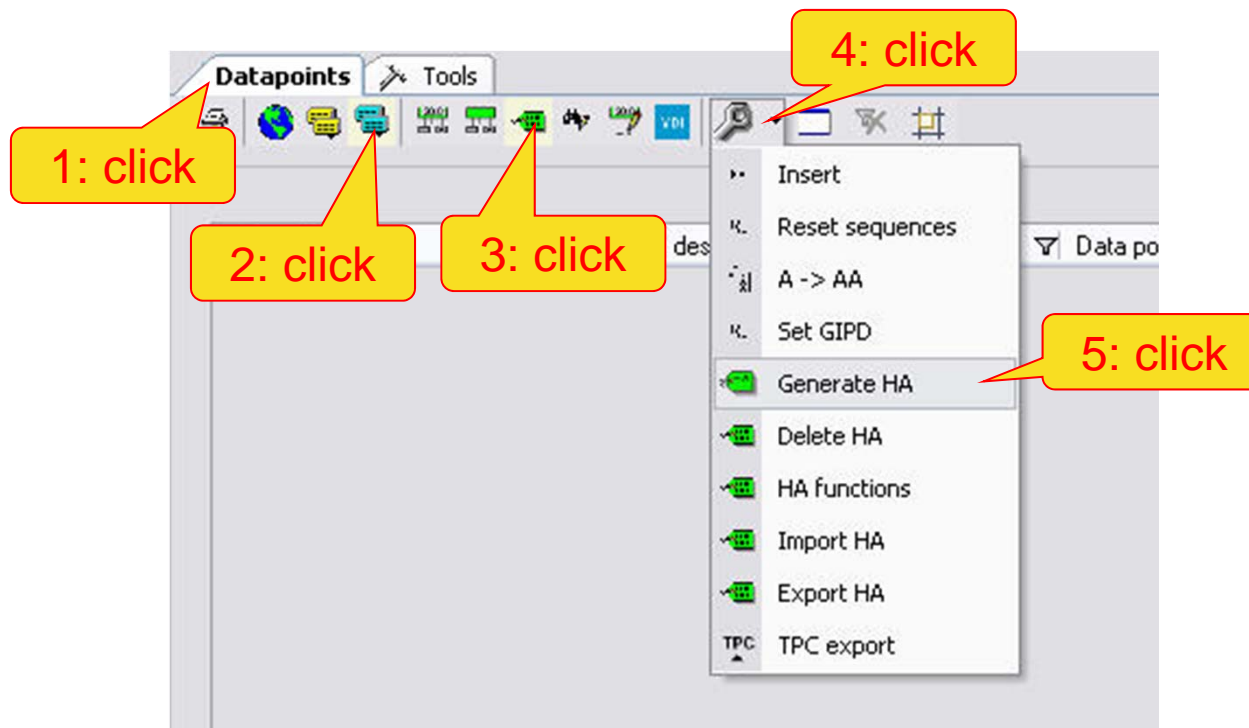
VI. Generation of the BACnet object names

2) BACnet object names are generated

ID	GIPD	PD description	Datapoints	Data point varia	DataPointName	BlockNames	BlockComment	BACnetObjectName	LockUserAddress
138	Y151	QA-fire damper	DI	Alarm	FB CLOSE	BI	QA-fire damper FC F	B05 +P101=AUB0-Y15	<input type="checkbox"/>
71	Y101	QA-damper	DO	command I	Switching comma	MO	QA-damper SC	B05 +P101=AUB0-Y10	<input type="checkbox"/>
90	Y071	CC-valve	AO	0..10V	Positioning signal	AO	CC-valve YB	B05 +P101=AUB0-Y07	<input type="checkbox"/>
88	Y061	HC-valve	AO	0..10V	Positioning signal	AO	HC-valve YB	B05 +P101=AUB0-Y06	<input type="checkbox"/>
105	S011	SU-service switch	DI	Alarm	Servicing	BI	SU-service switch A	B05 +P101=AUB0-S01	<input type="checkbox"/>
84	M061	HC- pump	DO	command I	Switching comma	BO	HC- pump SC	B05 +P101=AUB0-M06	<input type="checkbox"/>
85	M061	HC- pump	DI	FB I	FB operation				<input type="checkbox"/>
86	M061	HC- pump	DI	Alarm	Alarm	BI	HC- pump troub. Ala	B05 +P101=AUB0-M06	<input type="checkbox"/>
97	M011	SA-fan	DO	command I	Com.St.1	MO	SA-fan	B05 +P101=AUB0-M01	<input type="checkbox"/>
98	M011	SA-fan	DO	command II	Com.St.2				<input type="checkbox"/>
99	M011	SA-fan	DI	FB I	FB st.1				<input type="checkbox"/>
100	M011	SA-fan	DI	FB II	FB st.2				<input type="checkbox"/>
101	M011	SA-fan	DI	Alarm	Alarm	BI	SA-fan troub. Alarm	B05 +P101=AUB0-M01	<input type="checkbox"/>
73	F111	QA-filter	DI	Alarm	Servicing	BI	QA-filter AL Servicin	B05 +P101=AUB0-F11	<input type="checkbox"/>
79	F061	Frost protection	DI	Alarm	Alarm	BI	Frost protection AL A	B05 +P101=AUB0-F06	<input type="checkbox"/>
103	F011	SA-diff.pressure mo	DI	Alarm	Alarm	BI	SA-diff.pressure mon	B05 +P101=AUB0-F01	<input type="checkbox"/>
127	B201	SA-temperature	AI	Ni1000	Measurement	AI	SA-temperature	B05 +P101=AUB0-B20	<input type="checkbox"/>
128	B201	SA-temperature	VAI		Man. Setpoint	AV	XS SA-temperature	B05 +P101=AUB0-B20	<input type="checkbox"/>
133	B201	SA-temperature	VAI		Setpoint shift	AV	XS SA-temperature	B05 +P101=AUB0-B20	<input type="checkbox"/>
130	B201	SA-temperature	VAI		Design value	AV	DV SA-temperature	B05 +P101=AUB0-B20	<input type="checkbox"/>
131	B201	SA-temperature	VAI		Man. setpoint min	AV	XS SA-temperature	B05 +P101=AUB0-B20	<input type="checkbox"/>
132	B201	SA-temperature	VAI		Man. setpoint ma	AV	XS SA-temperature	B05 +P101=AUB0-B20	<input type="checkbox"/>
129	B201	SA-temperature	VAI		Calc. Setpoint	AV	XC SA-temperature	B05 +P101=AUB0-B20	<input type="checkbox"/>
134	B201	SA-temperature	VAI		Proportional band	AV	XP SA-temperature	B05 +P101=AUB0-B20	<input type="checkbox"/>
135	B201	SA-temperature	VAI		Integral action tim	AV	TN SA-temperature	B05 +P101=AUB0-B20	<input type="checkbox"/>
112	B101	QA-temperature	AI	Ni1000	Measurement	AI	QA-temperature	B05 +P101=AUB0-B10	<input type="checkbox"/>
116	B101	QA-temperature	VAI		Limit value coolin	AV	LV QA-temperature	B05 +P101=AUB0-B10	<input type="checkbox"/>
113	B101	QA-temperature	VAI		Limit value heatin	AV	LV QA-temperature	B05 +P101=AUB0-B10	<input type="checkbox"/>

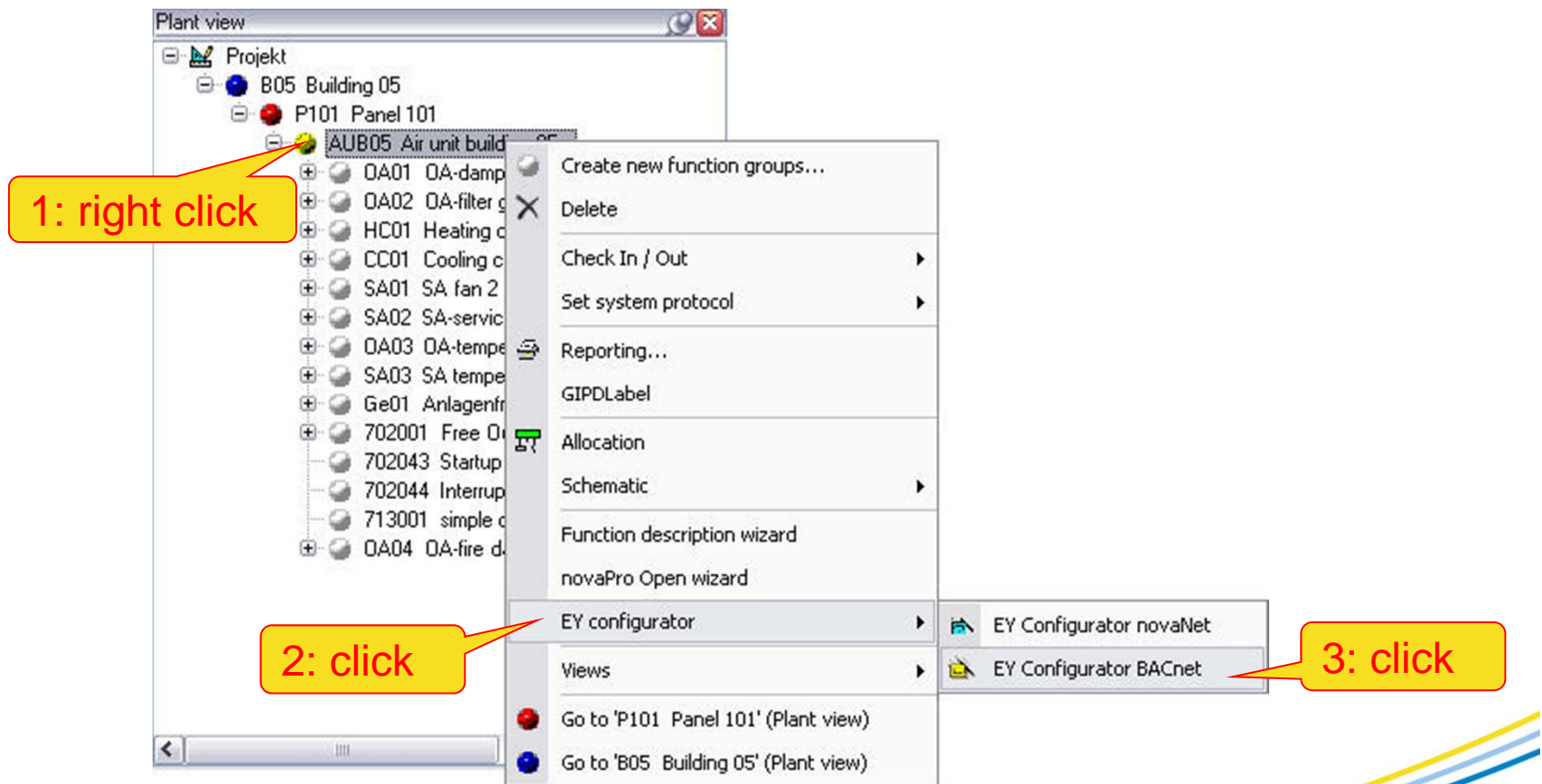
VII. Generation of the novaNet House Addresses

1) Open the data points view



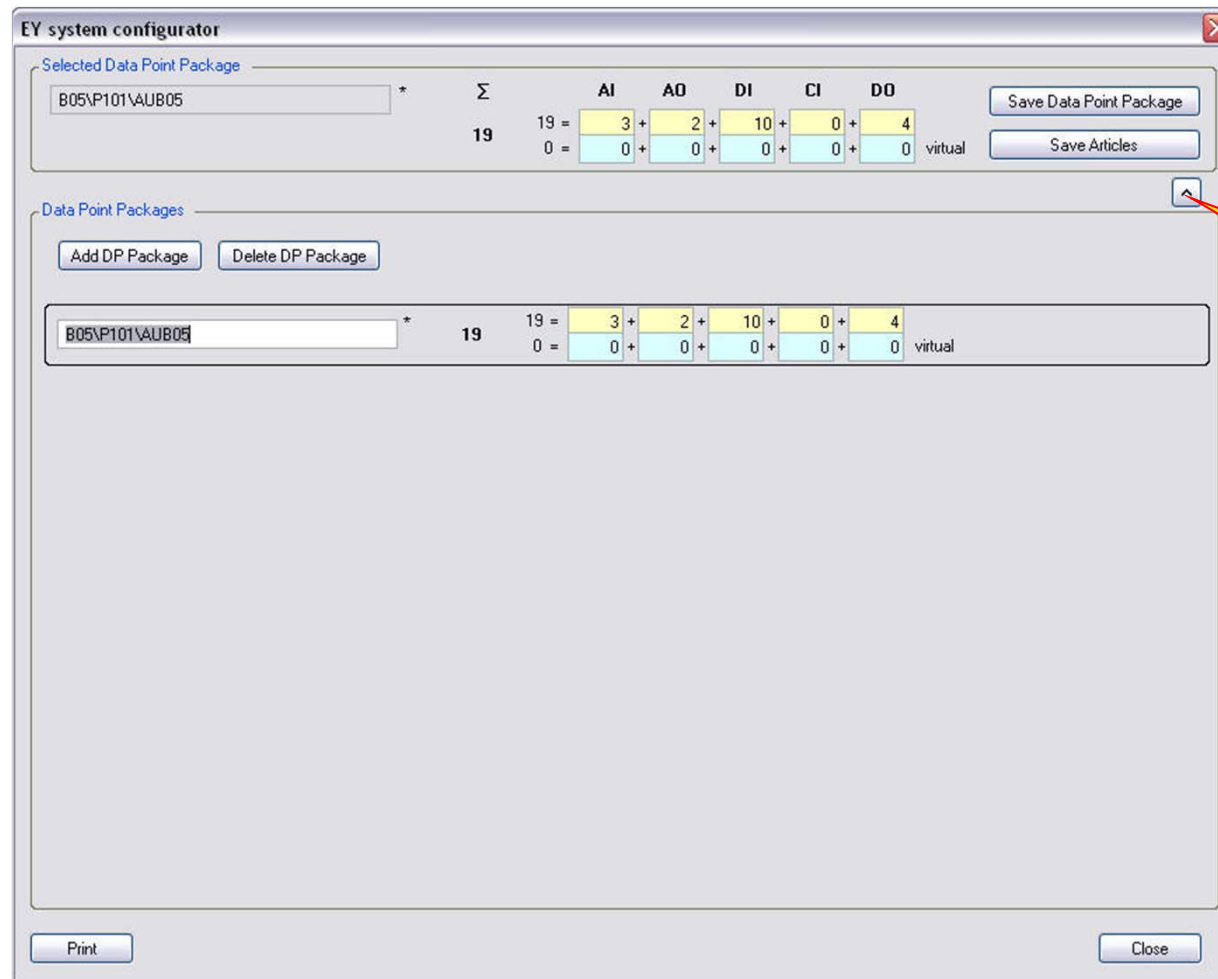
VIII. Determine the EY configuration

1) Open an EY Configurator (novaNet or BACnet)



VIII. Determine the EY configuration

2) EY Configurator BACnet



EY system configurator

Selected Data Point Package

B05\P101\AUB05 *

Σ	AI	AO	DI	CI	DO	
19	3	2	10	0	4	
0	0	0	0	0	0	virtual

Save Data Point Package

Save Articles

Data Point Packages

Add DP Package Delete DP Package

B05\P101\AUB05 *

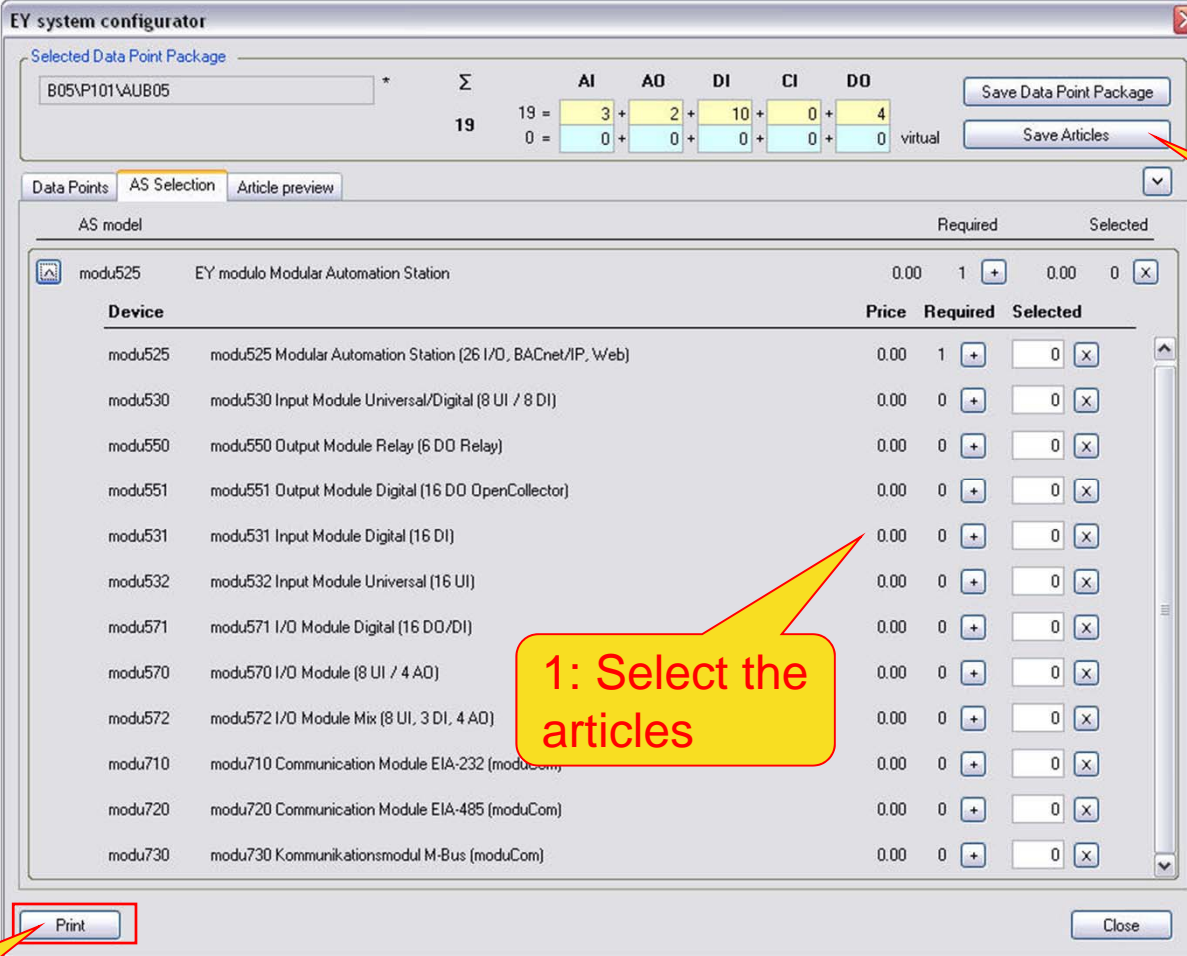
19	3	2	10	0	4	
0	0	0	0	0	0	virtual

Print Close

click

VIII. Determine the EY configuration

3) Select the necessary articles



Selected Data Point Package: B05XP101\AUB05

Σ 19

	AI	AO	DI	CI	DO
19 =	3	2	10	0	4
0 =	0	0	0	0	0

virtual

Buttons: Save Data Point Package, Save Articles

Tabs: Data Points, AS Selection, Article preview

AS model	Required	Selected
modu525 EY modulo Modular Automation Station	0.00 1 +	0.00 0 x
Device		Price Required Selected
modu525 modu525 Modular Automation Station (26 I/O, BACnet/IP, Web)	0.00 1 +	0 0 x
modu530 modu530 Input Module Universal/Digital (8 UI / 8 DI)	0.00 0 +	0 0 x
modu550 modu550 Output Module Relay (6 DO Relay)	0.00 0 +	0 0 x
modu551 modu551 Output Module Digital (16 DO OpenCollector)	0.00 0 +	0 0 x
modu531 modu531 Input Module Digital (16 DI)	0.00 0 +	0 0 x
modu532 modu532 Input Module Universal (16 UI)	0.00 0 +	0 0 x
modu571 modu571 I/O Module Digital (16 DO/DI)	0.00 0 +	0 0 x
modu570 modu570 I/O Module (8 UI / 4 AO)	0.00 0 +	0 0 x
modu572 modu572 I/O Module Mix (8 UI, 3 DI, 4 AO)	0.00 0 +	0 0 x
modu710 modu710 Communication Module EIA-232 (moduCom)	0.00 0 +	0 0 x
modu720 modu720 Communication Module EIA-485 (moduCom)	0.00 0 +	0 0 x
modu730 modu730 Kommunikationsmodul M-Bus (moduCom)	0.00 0 +	0 0 x

Buttons: Print, Close

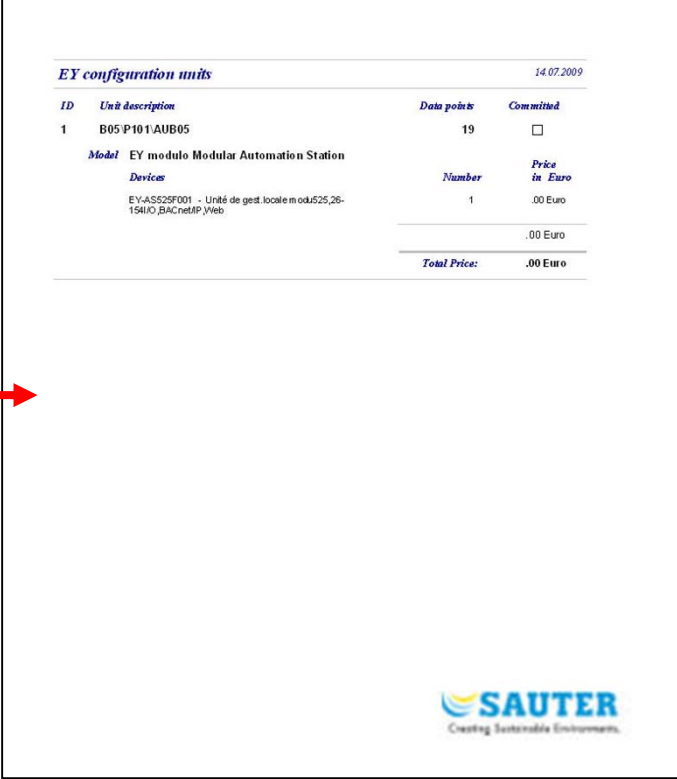
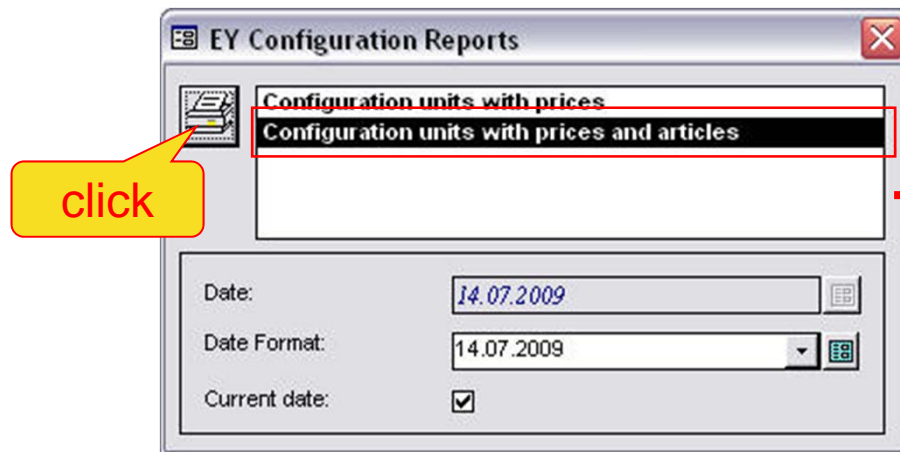
3: click

1: Select the articles

2: click


VIII. Determine the EY configuration

4) Print the EY configuration list



EY configuration units 14.07.2009

ID	Unit description	Data points	Committed
1	B05 P10 1/AUB05	19	<input type="checkbox"/>
Model EY modulo Modular Automation Station			
Devices		Number	Price in Euro
EY-ASS22F001 - Unité de gest. locale m odu525,26-15AUO_BACnetIP_Web		1	.00 Euro
			.00 Euro
Total Price:			.00 Euro


Creating Sustainable Environments.

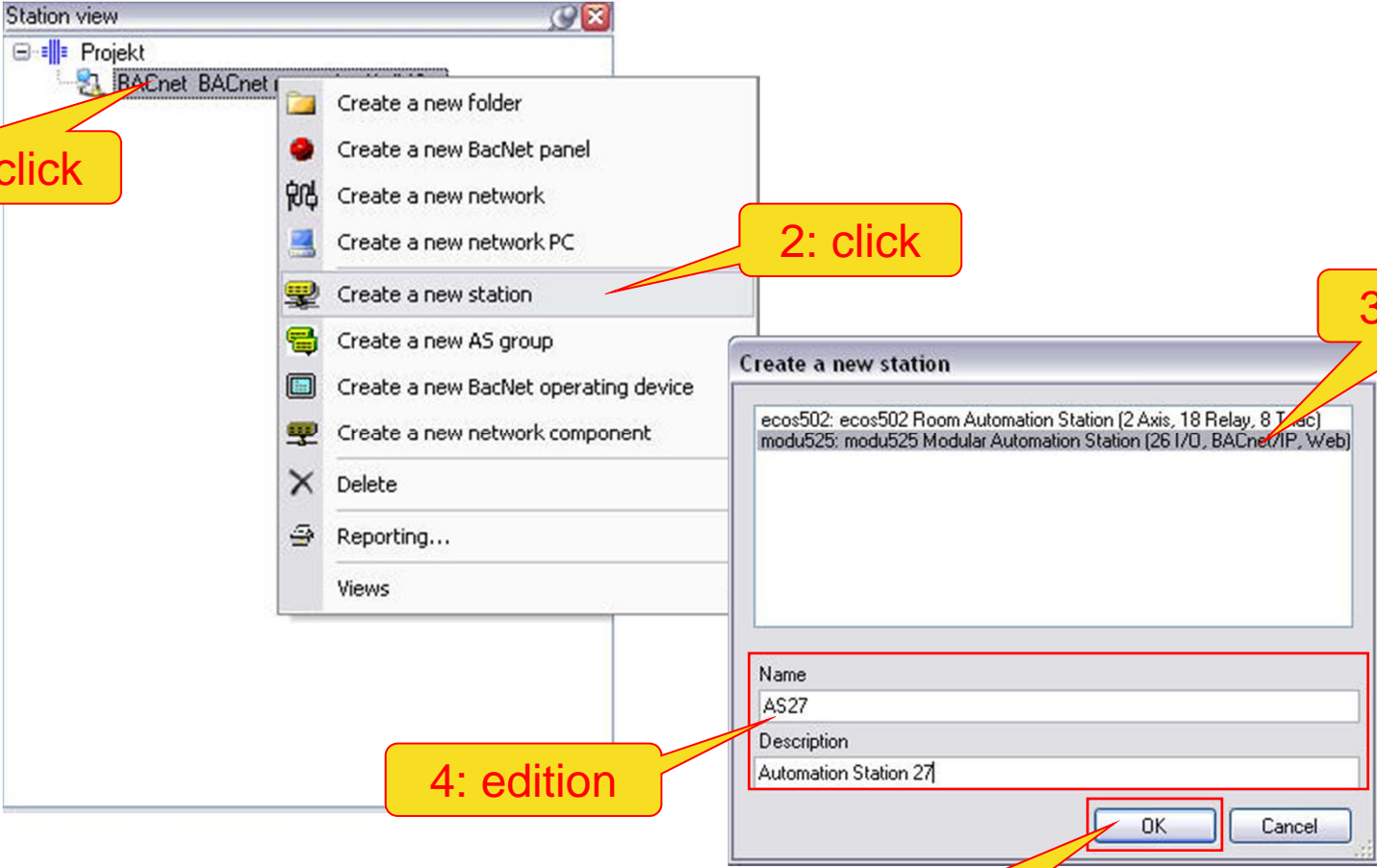
IX. Creation of the network structure

1) Creation of a BACnet network

The screenshot illustrates the process of creating a BACnet network in the 'Station view' software. The main window shows a tree view with 'Projekt' selected. A context menu is open over 'Projekt', with 'Create a new TCP/IP network' highlighted. A dialog box titled 'Create a new TCP/IP network' is displayed, showing the 'Name' field set to 'BACnet' and the 'Description' field set to 'BACnet network of WMS'. The 'OK' button is also visible. Five numbered callouts indicate the steps: 1: click on 'Projekt', 2: right click, 3: click on 'Create a new TCP/IP network', 4: edition in the dialog, and 5: click on 'OK'.

IX. Creation of the network structure

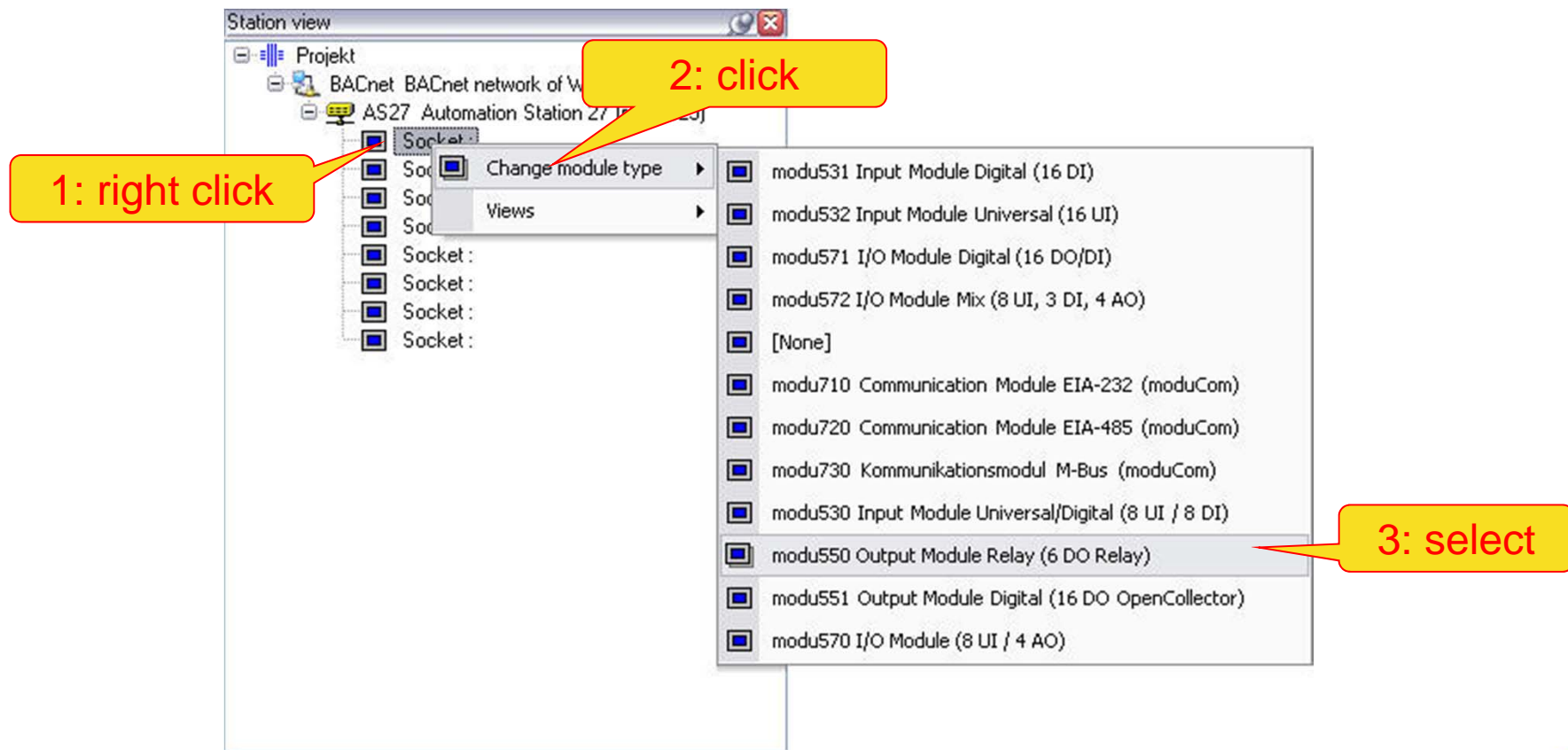
2) Creation of a new station



The screenshot illustrates the process of creating a new station in a software application. The main window, titled "Station view", shows a project tree with "Projekt" and "BACnet BACnet" folders. A context menu is open over the "BACnet BACnet" folder, listing various creation options. A yellow callout box labeled "1: right click" points to the folder. The "Create a new station" option is selected, and a yellow callout box labeled "2: click" points to it. A secondary dialog box titled "Create a new station" is open, showing a list of station types. A yellow callout box labeled "3: select" points to the "ecos502: ecos502 Room Automation Station (2 Axis, 18 Relay, 8 Tasc)" option. Below the list, the "Name" field contains "AS27" and the "Description" field contains "Automation Station 27". A yellow callout box labeled "4: edition" points to these fields. At the bottom of the dialog, the "OK" button is highlighted with a yellow callout box labeled "5: click".

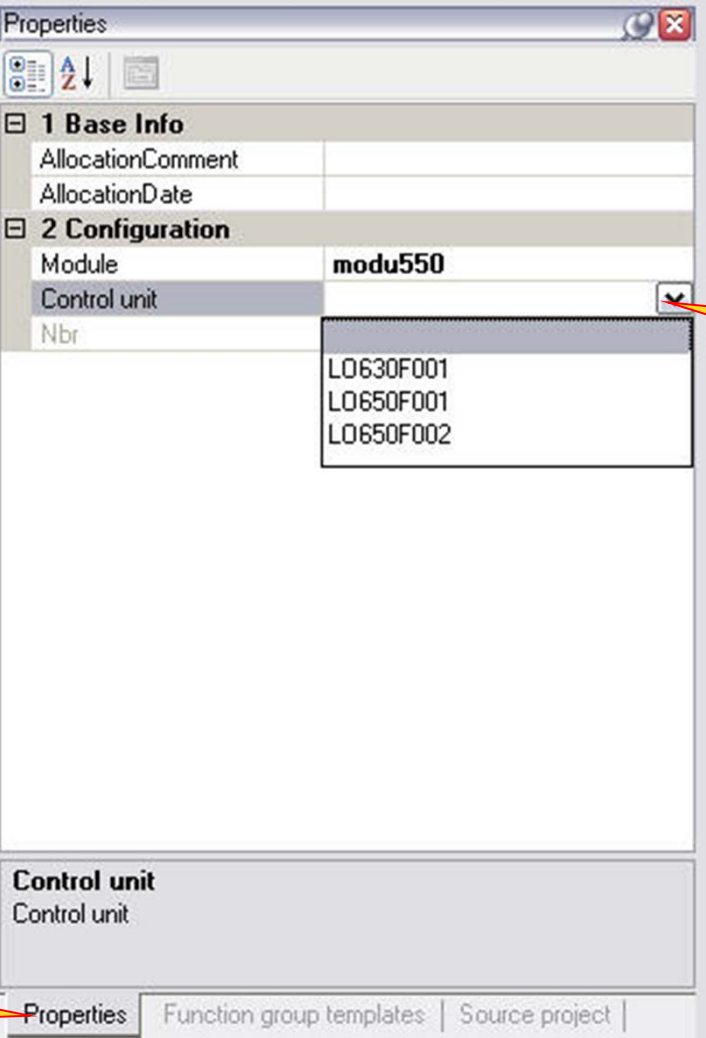
IX. Creation of the network structure

3) Setting of the EY-AS525 sockets



IX. Creation of the network structure

4) Setting of the sockets control unit



The screenshot shows the 'Properties' dialog box with the following structure:

- 1 Base Info**
 - AllocationComment
 - AllocationDate
- 2 Configuration**
 - Module: modu550
 - Control unit: (dropdown menu open)
 - Nbr

The dropdown menu for 'Control unit' is open, showing the following options:

- LO630F001
- LO650F001
- LO650F002

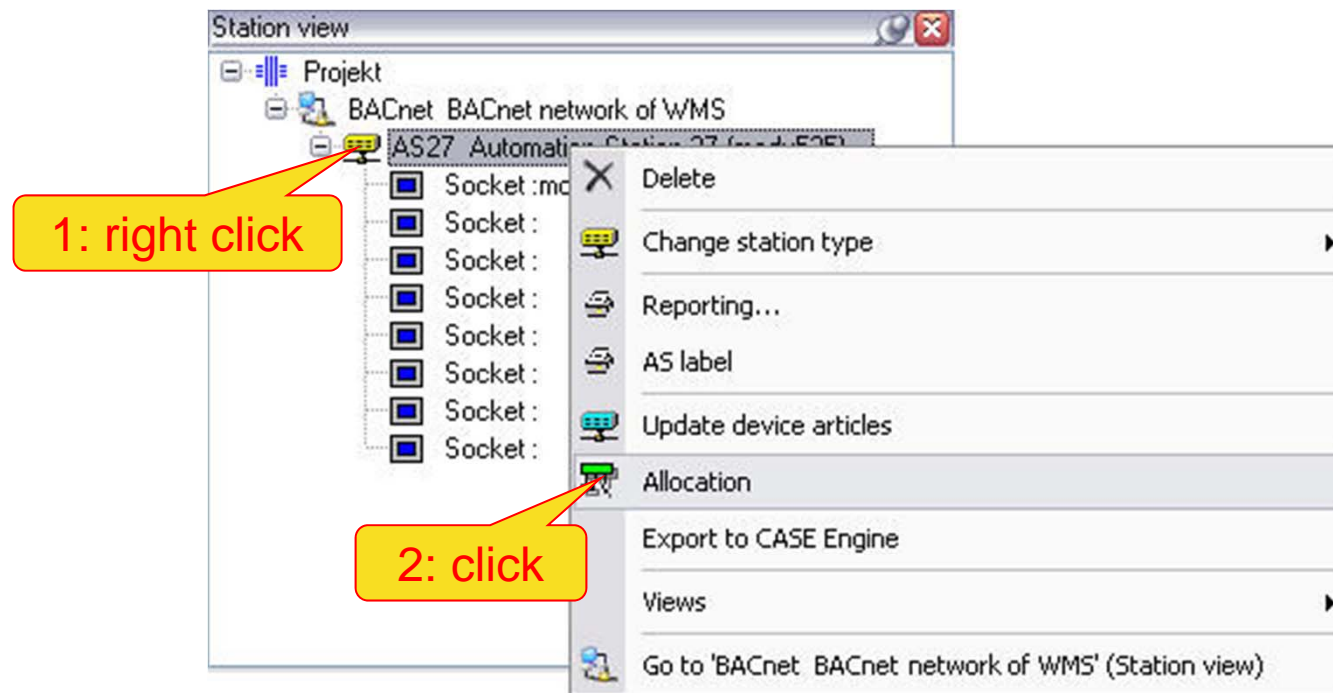
At the bottom of the dialog, there are three tabs: 'Properties', 'Function group templates', and 'Source project'. The 'Properties' tab is selected.

Callout 1: click points to the 'Properties' tab.

Callout 2: select points to the dropdown arrow of the 'Control unit' field.

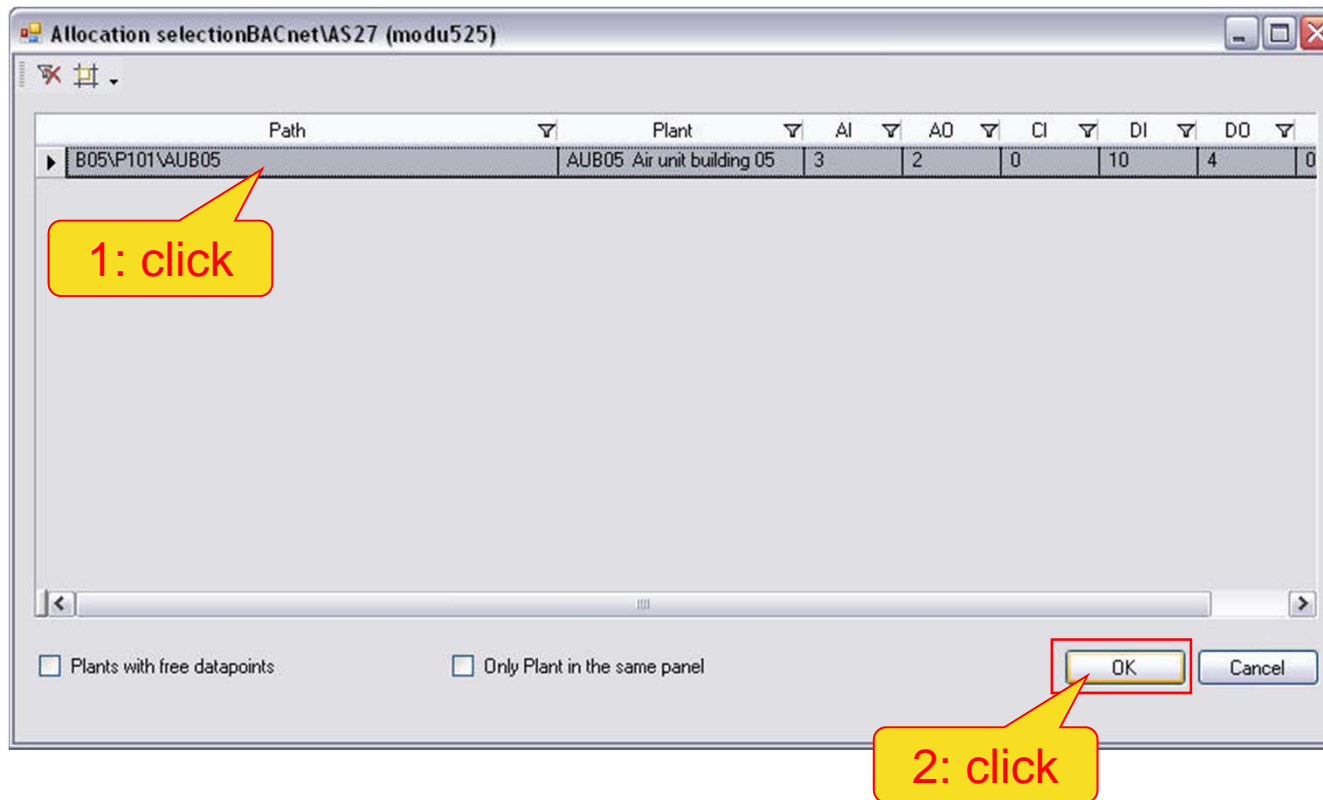
X. Allocation of the AS inputs-outputs

1) Open the allocation window



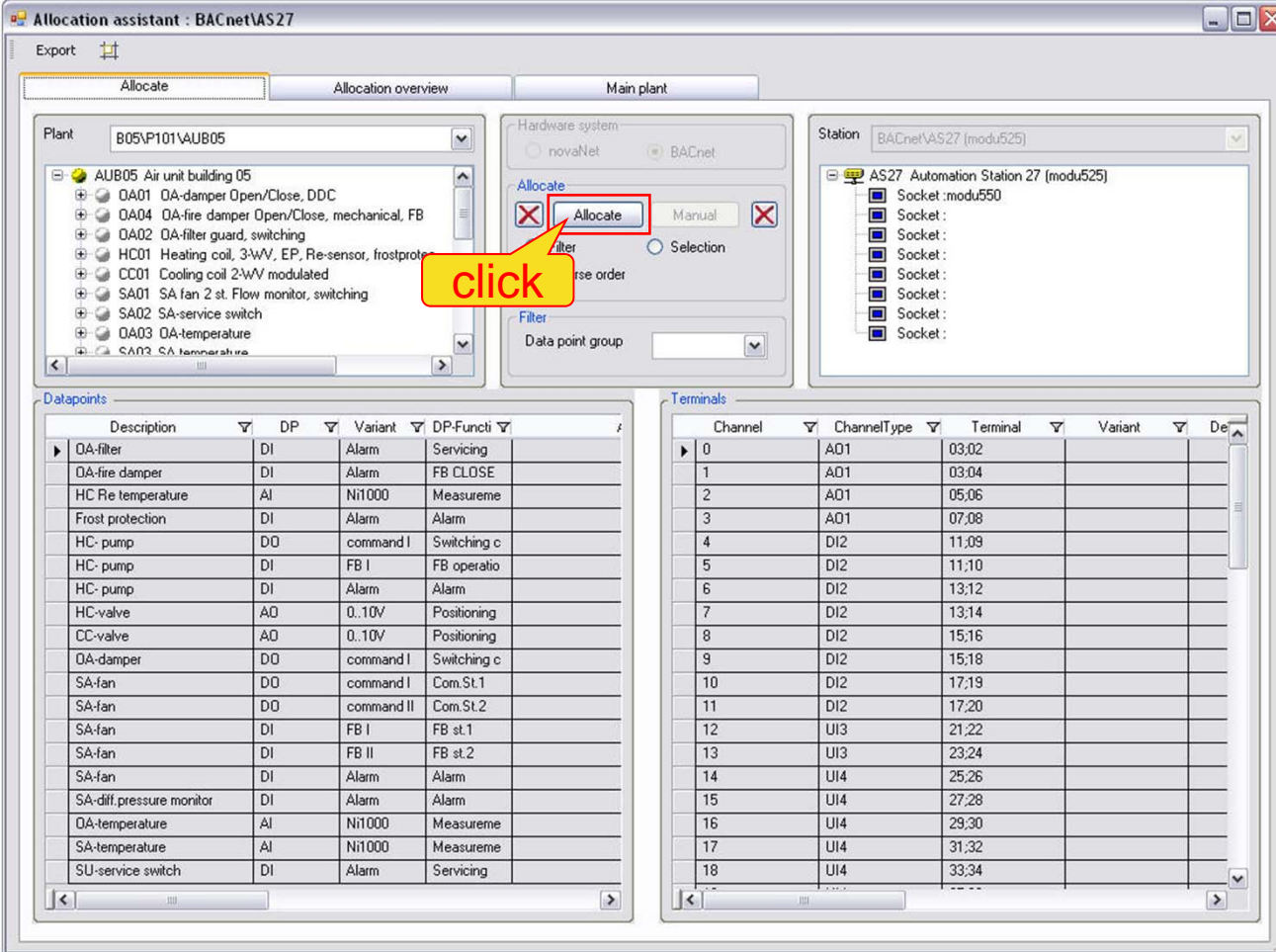
X. Allocation of the AS inputs-outputs

2) Select the plant



X. Allocation of the AS inputs-outputs

3) Start the allocation and close the window



Datapoints

Description	DP	Variant	DP-Functi
QA-filter	DI	Alarm	Servicing
QA-fire damper	DI	Alarm	FB CLOSE
HC Re temperature	AI	Ni1000	Measureme
Frost protection	DI	Alarm	Alarm
HC- pump	DO	command I	Switching c
HC- pump	DI	FB I	FB operatio
HC- pump	DI	Alarm	Alarm
HC-valve	AO	0..10V	Positioning
CC-valve	AO	0..10V	Positioning
QA-damper	DO	command I	Switching c
SA-fan	DO	command I	Com.St.1
SA-fan	DO	command II	Com.St.2
SA-fan	DI	FB I	FB st.1
SA-fan	DI	FB II	FB st.2
SA-fan	DI	Alarm	Alarm
SA-diff.pressure monitor	DI	Alarm	Alarm
QA-temperature	AI	Ni1000	Measureme
SA-temperature	AI	Ni1000	Measureme
SU-service switch	DI	Alarm	Servicing

Terminals

Channel	ChannelType	Terminal	Variant
0	A01	03:02	
1	A01	03:04	
2	A01	05:06	
3	A01	07:08	
4	DI2	11:09	
5	DI2	11:10	
6	DI2	13:12	
7	DI2	13:14	
8	DI2	15:16	
9	DI2	15:18	
10	DI2	17:19	
11	DI2	17:20	
12	UI3	21:22	
13	UI3	23:24	
14	UI4	25:26	
15	UI4	27:28	
16	UI4	29:30	
17	UI4	31:32	
18	UI4	33:34	

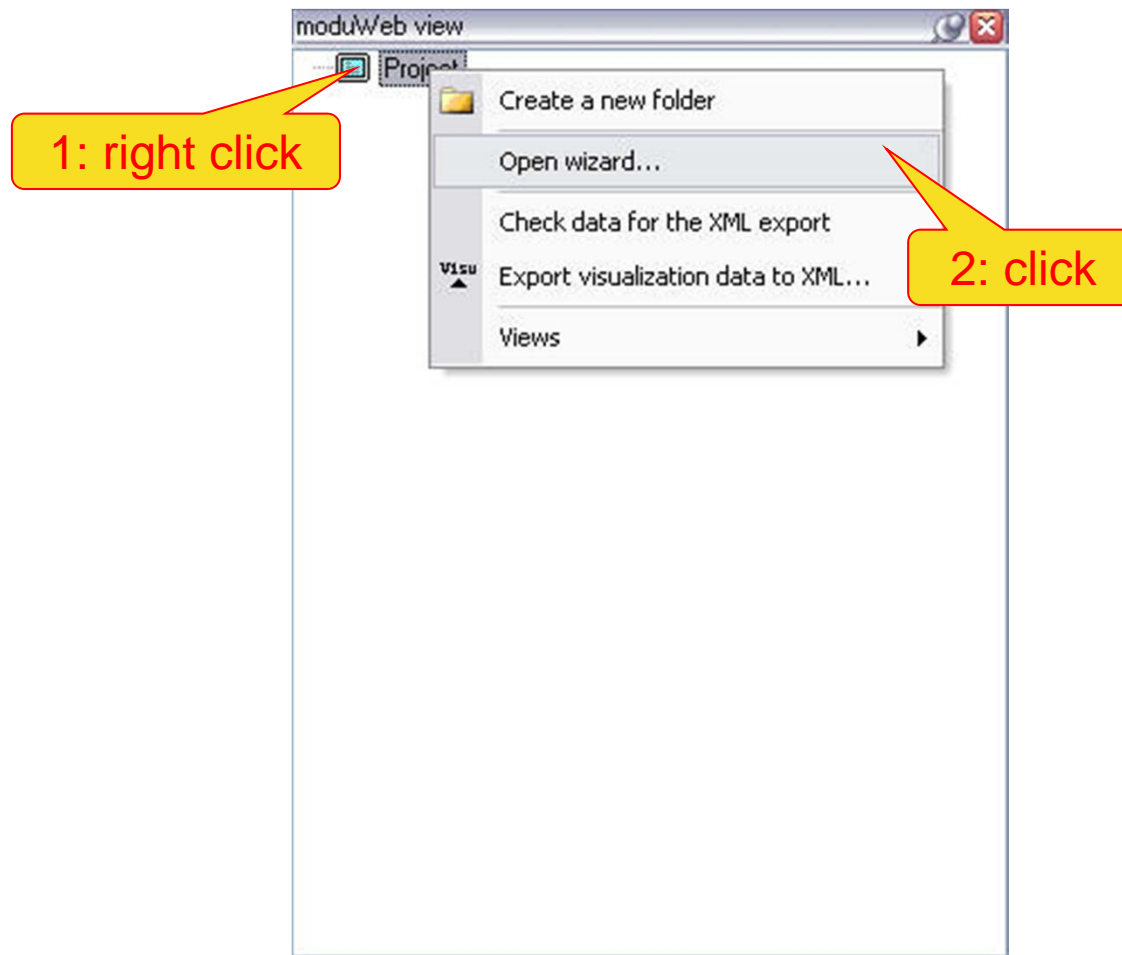
X. Allocation of the AS inputs-outputs

4) Results of the allocation in the “terminals” view

Model	MFA	Chan	Chan	Address	Varia	Ter	Is all	GIP	Allocation path	AllocationComment	AllocationDate
modu525		00	A01	A01 00		03:02	<input type="checkbox"/>				
modu525		01	A01	A01 01	0..10V...	03:04	<input checked="" type="checkbox"/>	Y061	B05\P101\AUB05\HC01		
modu525		02	A01	A01 02	0..10V...	05:06	<input checked="" type="checkbox"/>	Y071	B05\P101\AUB05\CC01		
modu525		03	A01	A01 03		07:08	<input type="checkbox"/>				
modu525		04	DI2	DI2 04	Alarm...	11:09	<input checked="" type="checkbox"/>	F111	B05\P101\AUB05\DA02		
modu525		05	DI2	DI2 05	Alarm...	11:10	<input checked="" type="checkbox"/>	Y151	B05\P101\AUB05\DA04		
modu525		06	DI2	DI2 06	Alarm...	13:12	<input checked="" type="checkbox"/>	F061	B05\P101\AUB05\HC01		
modu525		07	DI2	DI2 07	FB I DI...	13:14	<input checked="" type="checkbox"/>	M061	B05\P101\AUB05\HC01		
modu525		08	DI2	DI2 08	Alarm...	15:16	<input checked="" type="checkbox"/>	M061	B05\P101\AUB05\HC01		
modu525		09	DI2	DI2 09	FB I DI...	15:18	<input checked="" type="checkbox"/>	M011	B05\P101\AUB05\SA01		
modu525		10	DI2	DI2 10	FB II D...	17:19	<input checked="" type="checkbox"/>	M011	B05\P101\AUB05\SA01		
modu525		11	DI2	DI2 11	Alarm...	17:20	<input checked="" type="checkbox"/>	M011	B05\P101\AUB05\SA01		
modu525		12	UI3	UI3 12		21:22	<input type="checkbox"/>				
modu525		13	UI3	UI3 13		23:24	<input type="checkbox"/>				
modu525		14	UI4	UI4 14	Ni1000...	25:26	<input checked="" type="checkbox"/>	B061	B05\P101\AUB05\HC01		
modu525		15	UI4	UI4 15	Alarm...	27:28	<input checked="" type="checkbox"/>	F011	B05\P101\AUB05\SA01		
modu525		16	UI4	UI4 16	Ni1000...	29:30	<input checked="" type="checkbox"/>	B101	B05\P101\AUB05\DA03		
modu525		17	UI4	UI4 17	Ni1000...	31:32	<input checked="" type="checkbox"/>	B201	B05\P101\AUB05\SA03		
modu525		18	UI4	UI4 18	Alarm...	33:34	<input checked="" type="checkbox"/>	S011	B05\P101\AUB05\SA02		
modu525		19	UI4	UI4 19		35:36	<input type="checkbox"/>				
modu525		20	D01	D01 20		40:39	<input type="checkbox"/>				
modu525		21	D01	D01 21		42:41	<input type="checkbox"/>				
modu525		22	D01	D01 22	comm...	44:43	<input checked="" type="checkbox"/>	M061	B05\P101\AUB05\HC01		
modu525		23	D01	D01 23	comm...	46:45	<input checked="" type="checkbox"/>	Y101	B05\P101\AUB05\DA01		
modu525		24	D01	D01 24	comm...	48:47	<input checked="" type="checkbox"/>	M011	B05\P101\AUB05\SA01		
modu525		25	D01	D01 25	comm...	50:49	<input checked="" type="checkbox"/>	M011	B05\P101\AUB05\SA01		
modu525 [1]: modu550		00	D01	D01 00		01:02	<input type="checkbox"/>				
modu525 [1]: modu550		01	D01	D01 01		03:04	<input type="checkbox"/>				
modu525 [1]: modu550		02	D01	D01 02		5:6	<input type="checkbox"/>				
modu525 [1]: modu550		03	D01	D01 03		07:08	<input type="checkbox"/>				
modu525 [1]: modu550		04	D01	D01 04		09:10	<input type="checkbox"/>				
modu525 [1]: modu550		05	D01	D01 05		11:12	<input type="checkbox"/>				

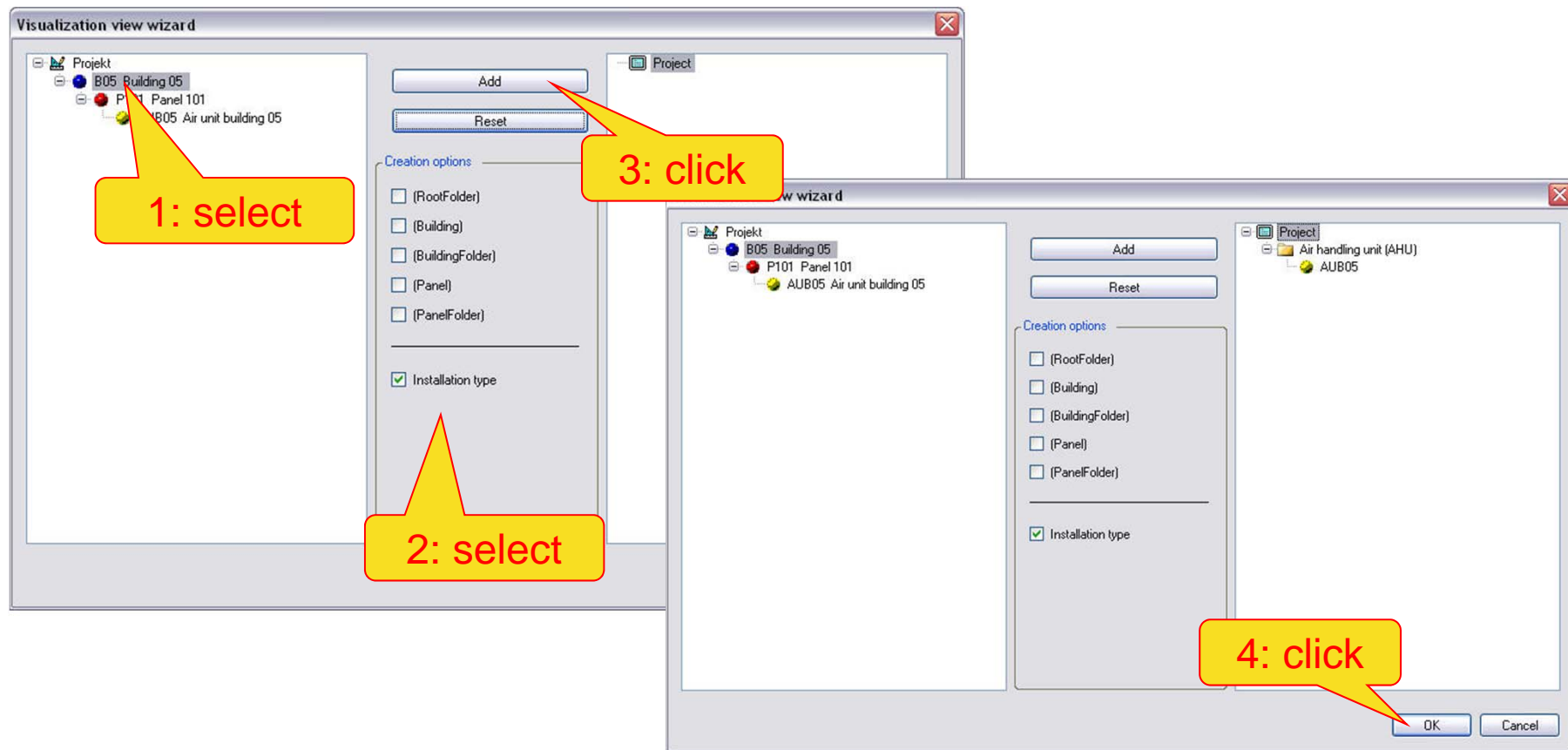
XI. Creation of the moduWeb view

1) Open the visualization wizard



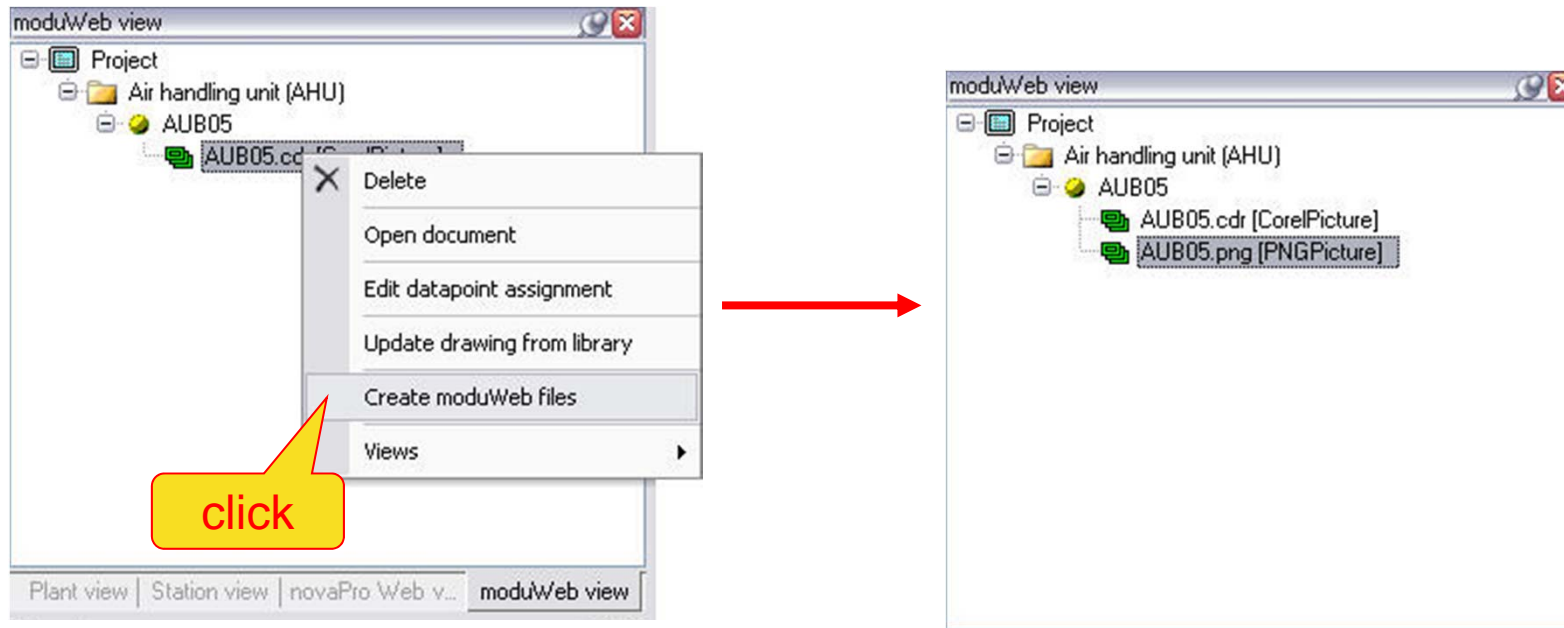
XI. Creation of the moduWeb view

2) The visualization view wizard



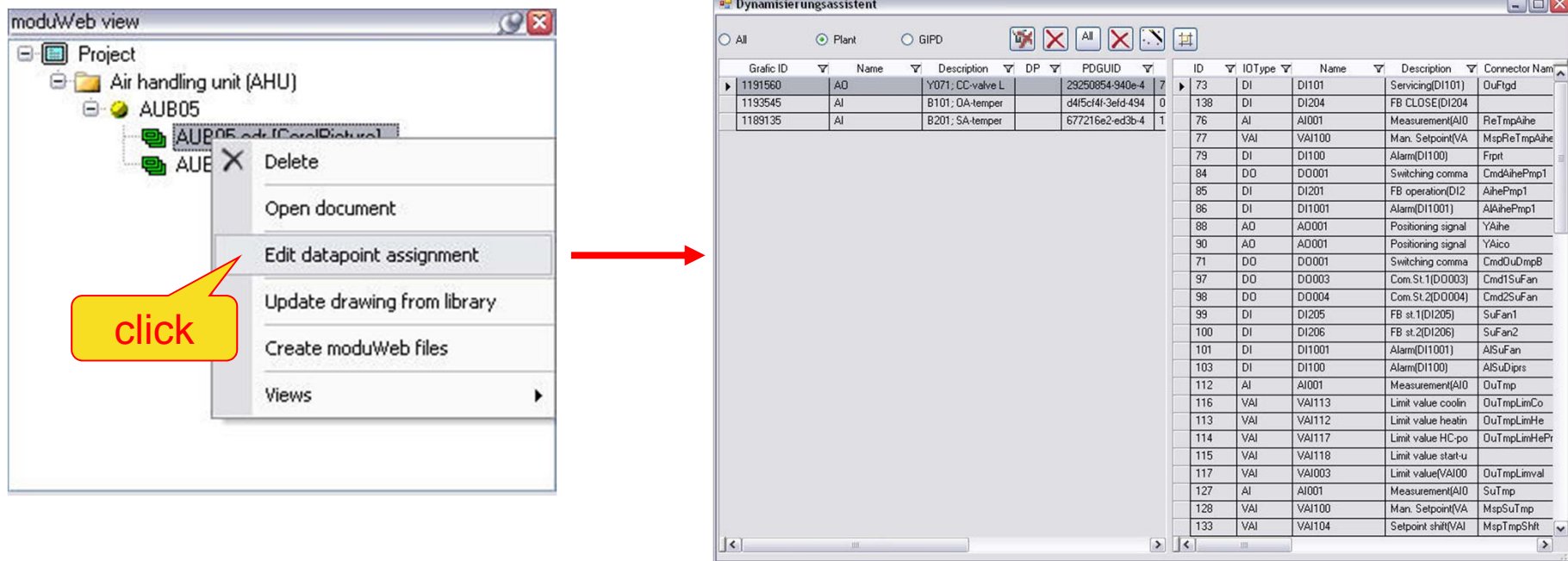
XI. Creation of the moduWeb view

3) Creation of the moduWeb files



XI. Creation of the moduWeb view

4) Open the data points assignment wizard

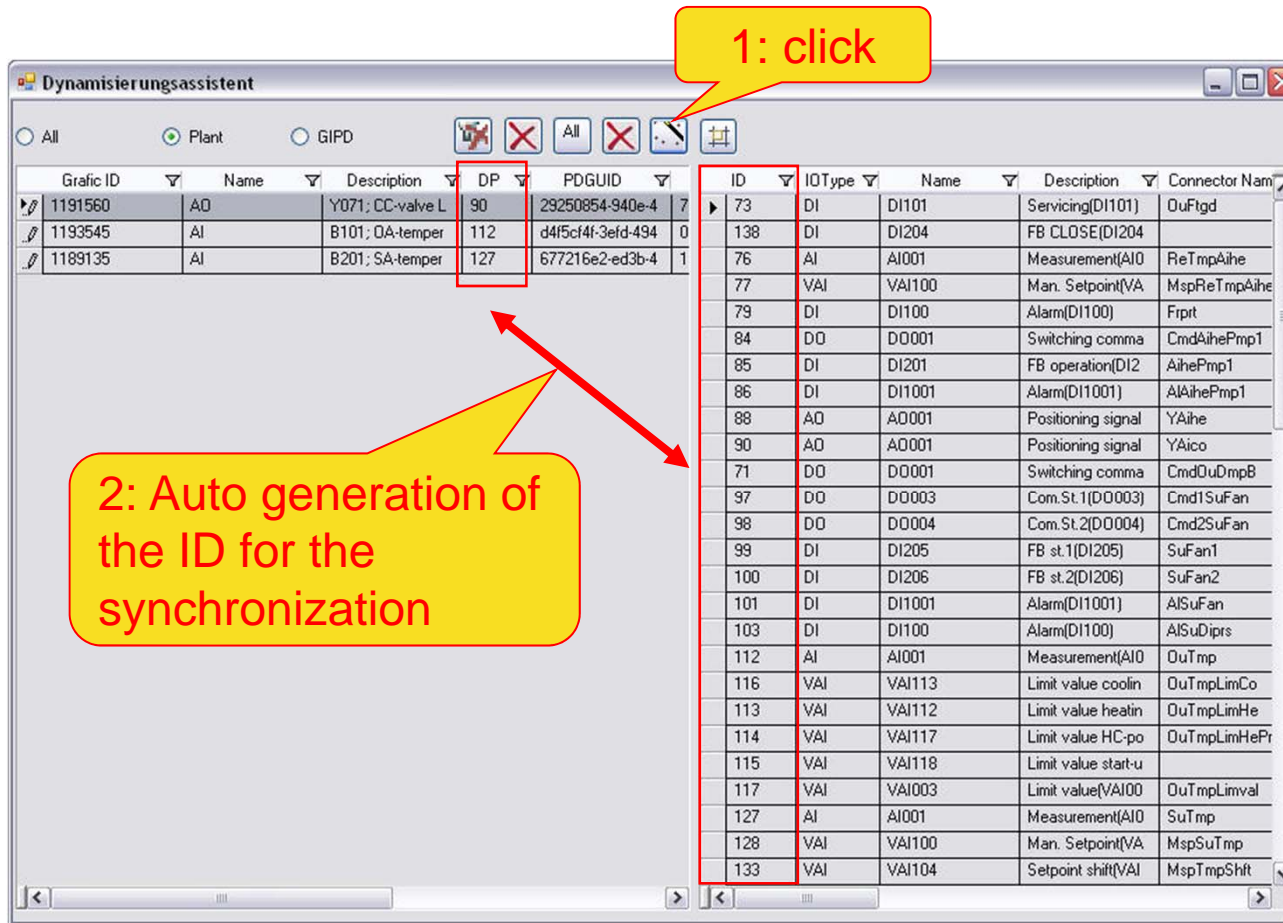


The image shows two software windows. The left window, titled 'moduWeb view', displays a project tree with 'Air handling unit (AHU)' and 'AUB05'. A context menu is open over 'AUB05', with 'Edit datapoint assignment' highlighted. A yellow callout box with the word 'click' points to this menu item. A red arrow points from this menu item to the right window, 'Dynamisierungsassistent'. This window shows a table of data points with columns for Grafic ID, Name, Description, DP, PDGUID, ID, IDType, Name, Description, and Connector Name.

Grafic ID	Name	Description	DP	PDGUID	ID	IDType	Name	Description	Connector Name
1191560	A0	Y071; CC-valve L		23250854-940e-4	73	DI	DI101	Servicing(DI101)	DuFtdg
1193545	AI	B101; OA-temper		d4f5cf4f-3efd-494	138	DI	DI204	FB CLOSE(DI204)	
1189135	AI	B201; SA-temper		677216e2-ed3b-4	76	AI	AI001	Measurement(AI0)	ReTmpAiHe
					77	VAI	VAI100	Man. Setpoint(VA)	MspReTmpAiHe
					79	DI	DI100	Alarm(DI100)	Frprt
					84	DO	DO001	Switching comma	CmdAiHePmp1
					85	DI	DI201	FB operation(DI2)	AiHePmp1
					86	DI	DI1001	Alarm(DI1001)	AIHePmp1
					88	A0	A0001	Positioning signal	YAiHe
					90	A0	A0001	Positioning signal	YAiCo
					71	DO	DO001	Switching comma	CmdDuDmp8
					97	DO	DO003	Com St.1(DO003)	Cmd1SuFan
					98	DO	DO004	Com St.2(DO004)	Cmd2SuFan
					99	DI	DI205	FB st.1(DI205)	SuFan1
					100	DI	DI206	FB st.2(DI206)	SuFan2
					101	DI	DI1001	Alarm(DI1001)	AI5uFan
					103	DI	DI100	Alarm(DI100)	AI5uDiPrs
	AI	AI001			112	AI	AI001	Measurement(AI0)	DuTmp
	VAI	VAI113			116	VAI	VAI113	Limit value coolin	DuTmpLimCo
	VAI	VAI112			113	VAI	VAI112	Limit value heatin	DuTmpLimHe
	VAI	VAI117			114	VAI	VAI117	Limit value HC-po	DuTmpLimHePr
	VAI	VAI118			115	VAI	VAI118	Limit value start-u	
	VAI	VAI003			117	VAI	VAI003	Limit value(VAI00)	DuTmpLimval
	AI	AI001			127	AI	AI001	Measurement(AI0)	SuTmp
	VAI	VAI100			128	VAI	VAI100	Man. Setpoint(VA)	MspSuTmp
	VAI	VAI104			133	VAI	VAI104	Setpoint shift(VAI)	MspTmpShrt

XI. Creation of the moduWeb view

5) Allocate automatically the dynamisation to the right data point



1: click

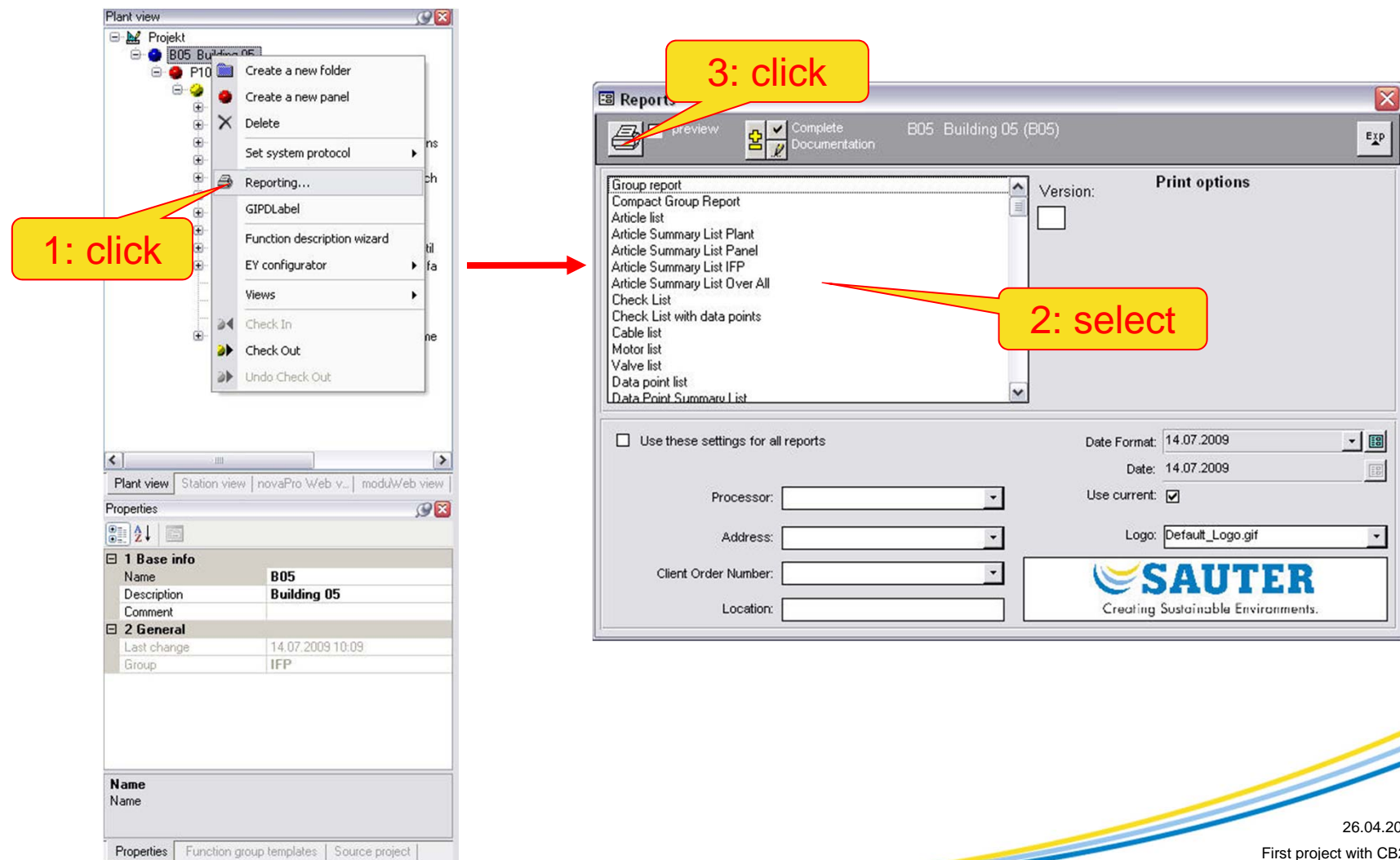
Grafic ID	Name	Description	DP	PDGUID
1191560	AD	Y071; CC-valve L	90	29250854-940e-4
1193545	AI	B101; DA-temper	112	d4f5cf4f-3efd-494
1189135	AI	B201; SA-temper	127	677216e2-ed3b-4

2: Auto generation of the ID for the synchronization

ID	IOType	Name	Description	Connector Name
73	DI	DI101	Servicing(DI101)	DuFtgd
138	DI	DI204	FB CLOSE(DI204)	
76	AI	AI001	Measurement(AI0	ReTmpAihe
77	VAI	VAI100	Man. Setpoint(VA	MspReTmpAihe
79	DI	DI100	Alarm(DI100)	Frprt
84	DO	DO001	Switching comma	CmdAihePmp1
85	DI	DI201	FB operation(DI2	AihePmp1
86	DI	DI1001	Alarm(DI1001)	AIAihePmp1
88	AO	AO001	Positioning signal	YAihe
90	AO	AO001	Positioning signal	YAiCo
71	DO	DO001	Switching comma	CmdDuDmpB
97	DO	DO003	Com.St.1(DO003)	Cmd1SuFan
98	DO	DO004	Com.St.2(DO004)	Cmd2SuFan
99	DI	DI205	FB st.1(DI205)	SuFan1
100	DI	DI206	FB st.2(DI206)	SuFan2
101	DI	DI1001	Alarm(DI1001)	AI SuFan
103	DI	DI100	Alarm(DI100)	AI SuDiprs
112	AI	AI001	Measurement(AI0	DuTmp
116	VAI	VAI113	Limit value coolin	DuTmpLimCo
113	VAI	VAI112	Limit value heatin	DuTmpLimHe
114	VAI	VAI117	Limit value HC-po	DuTmpLimHePr
115	VAI	VAI118	Limit value start-u	
117	VAI	VAI003	Limit value(VAI00	DuTmpLimval
127	AI	AI001	Measurement(AI0	SuTmp
128	VAI	VAI100	Man. Setpoint(VA	MspSuTmp
133	VAI	VAI104	Setpoint shift(VA	MspTmpShift

XII. Creation of the documentation

1) Documentation on plant view



1: click

2: select

3: click

Plant view

- Create a new folder
- Create a new panel
- Delete
- Set system protocol
- Reporting...
- GIPDLabel
- Function description wizard
- EY configurator
- Views
- Check In
- Check Out
- Undo Check Out

Reports

Group report

- Compact Group Report
- Article list
- Article Summary List Plant
- Article Summary List Panel
- Article Summary List IFP
- Article Summary List Over All
- Check List
- Check List with data points
- Cable list
- Motor list
- Valve list
- Data point list
- Data Point Summary List

Version:

Print options

Use these settings for all reports

Date Format: 14.07.2009

Date: 14.07.2009

Use current:

Processor:

Address:

Client Order Number:

Location:

Logo: Default_Logo.gif

SAUTER
Creating Sustainable Environments.

Properties

1 Base info	
Name	B05
Description	Building 05
Comment	
2 General	
Last change	14.07.2009 10:09
Group	IFP

Name
Name

Properties | Function group templates | Source project

XII. Creation of the documentation

2) Creation of plant devices labels

1: click

2: click

Name	Building	Panel	Plant	Function group	First user address	ID
Y101	B05	P101	AUB05	QA01	B05 +P101=AUB0-	39
F111	B05	P101	AUB05	QA02	B05 +P101=AUB0-	41
B061	B05	P101	AUB05	HC01	B05 +P101=AUB0-	43
F061	B05	P101	AUB05	HC01	B05 +P101=AUB0-	44
M061	B05	P101	AUB05	HC01	B05 +P101=AUB0-	45
Y061	B05	P101	AUB05	HC01	B05 +P101=AUB0-	46
Y071	B05	P101	AUB05	CC01	B05 +P101=AUB0-	48
M011	B05	P101	AUB05	SA01	B05 +P101=AUB0-	50
F011	B05	P101	AUB05	SA01	B05 +P101=AUB0-	51
S011	B05	P101	AUB05	SA02	B05 +P101=AUB0-	53
B101	B05	P101	AUB05	QA03	B05 +P101=AUB0-	55
B201	B05	P101	AUB05	SA03	B05 +P101=AUB0-	57
K001	B05	P101	AUB05	Ge01		59
S001	B05	P101	AUB05	Ge01		60
S002	B05	P101	AUB05	Ge01		61
K001	B05	P101	AUB05	702001		63
Y151	B05	P101	AUB05	QA04	B05 +P101=AUB0-	69

1 Base info

Name: AUB05
Description: Air unit building 05
Comment:
Picture: AUB05_002.cdr

2 General

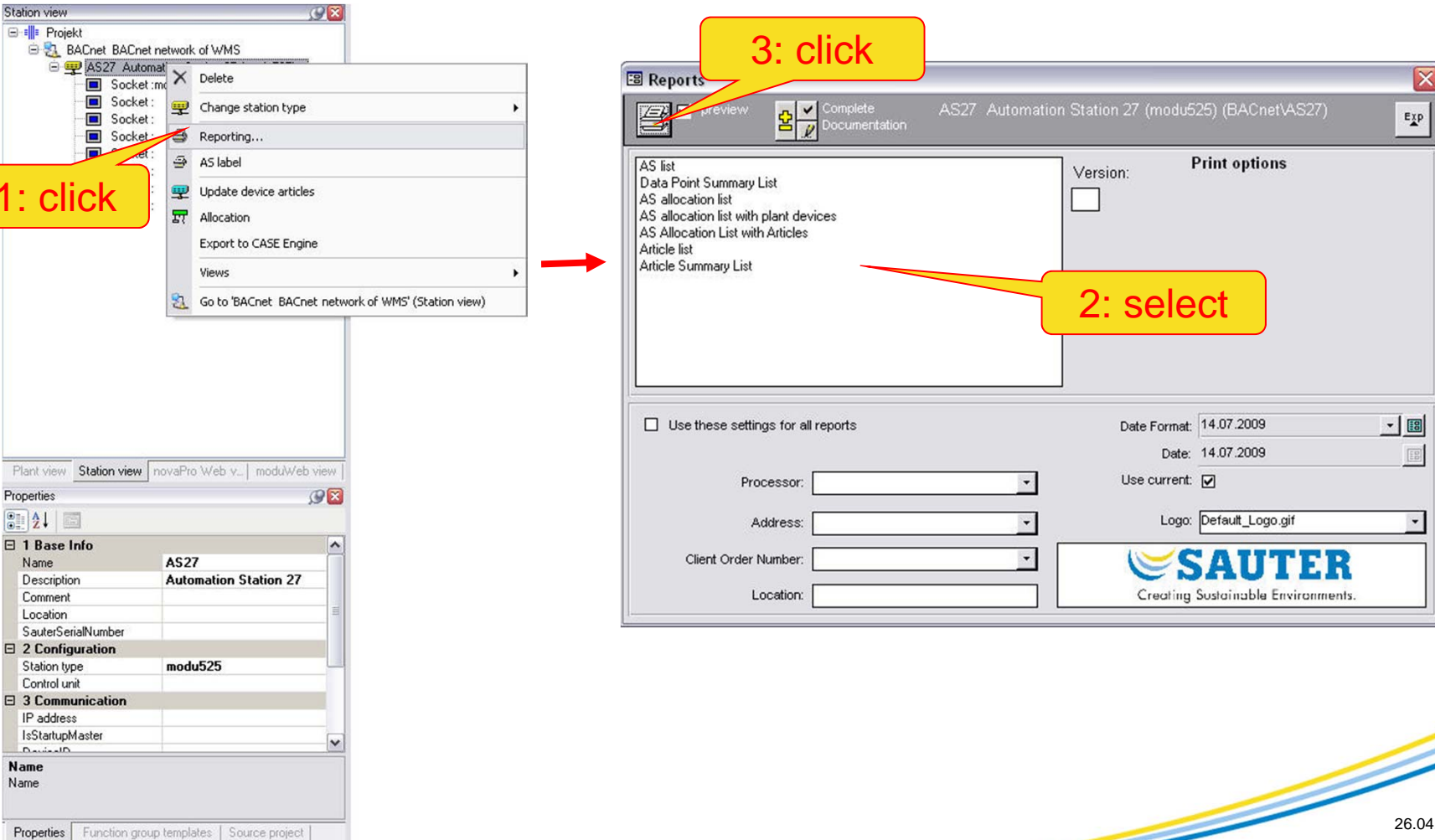
Last change: 15.07.2009 08:12
Group: Plant
Status:
Maintenance group: Air handling unit (AHU)
GroupType: 0240110001021

Name:
Name:

Properties | Function group templat... | Source project

XII. Creation of the documentation

3) Documentation on station view



1: click

2: select

3: click

Station view

Projekt

BACnet BACnet network of WMS

AS27 Automation Station 27 (modu525) (BACnet\AS27)

Socket : m...
Socket :
Socket :
Socket :

Delete
Change station type
Reporting...
AS label
Update device articles
Allocation
Export to CASE Engine
Views
Go to 'BACnet BACnet network of WMS' (Station view)

Plant view Station view novaPro Web v... moduWeb view

Properties

1 Base Info

Name AS27
Description Automation Station 27
Comment
Location
SauterSerialNumber

2 Configuration

Station type modu525
Control unit

3 Communication

IP address
IsStartupMaster

Name
Name

Properties Function group templates Source project

Reports

AS list
Data Point Summary List
AS allocation list
AS allocation list with plant devices
AS Allocation List with Articles
Article list
Article Summary List


Version:

Print options

Use these settings for all reports

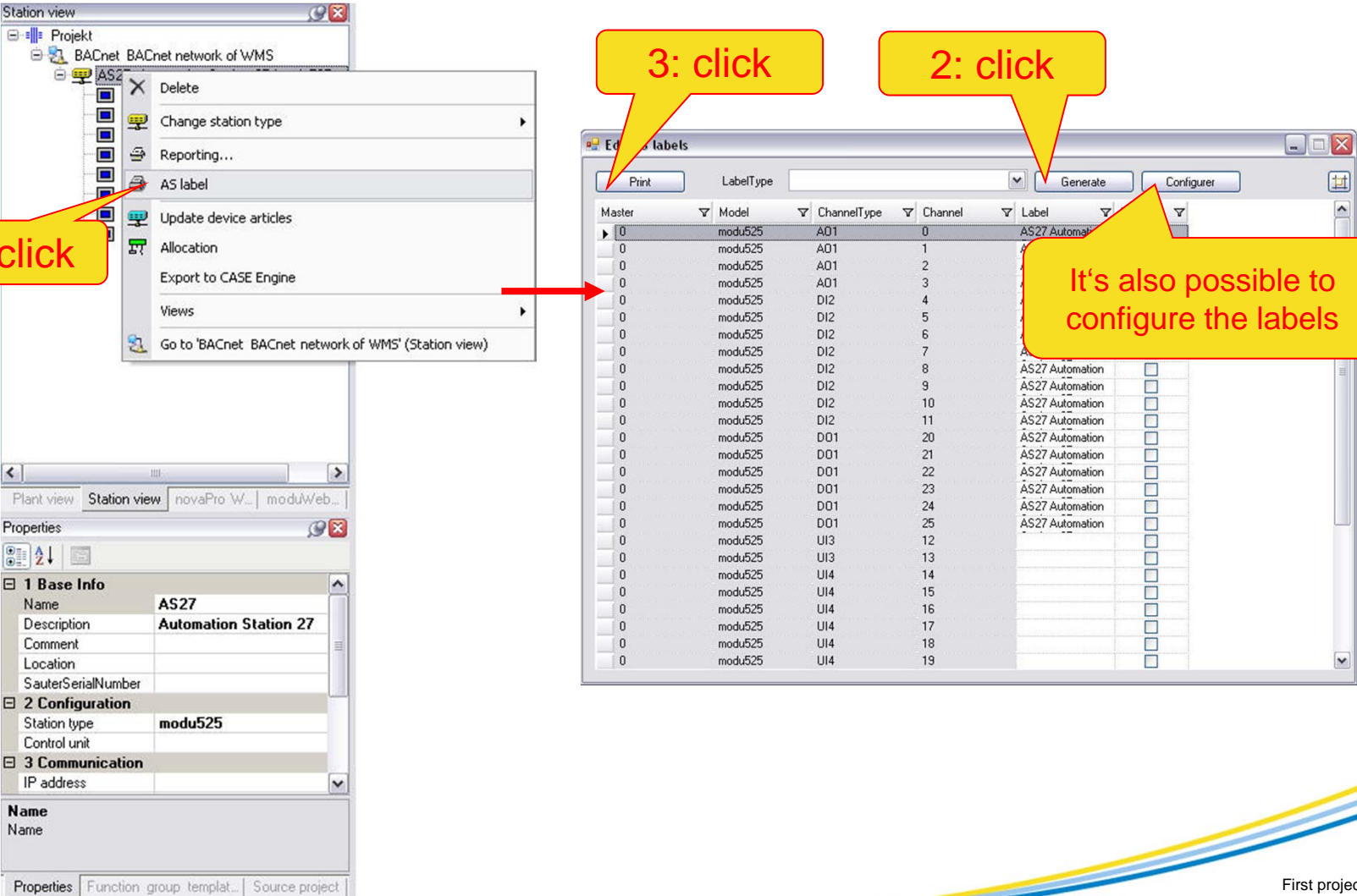
Date Format: 14.07.2009
Date: 14.07.2009
Use current:
Logo: Default_Logo.gif

Processor:
Address:
Client Order Number:
Location:


Creating Sustainable Environments.

XII. Creation of the documentation

4) Creation of AS labels



1: click

3: click

2: click

It's also possible to configure the labels

Master	Model	ChannelType	Channel	Label
0	modu525	A01	0	AS27 Automati
0	modu525	A01	1	
0	modu525	A01	2	
0	modu525	A01	3	
0	modu525	DI2	4	
0	modu525	DI2	5	
0	modu525	DI2	6	
0	modu525	DI2	7	
0	modu525	DI2	8	
0	modu525	DI2	9	AS27 Automation
0	modu525	DI2	10	AS27 Automation
0	modu525	DI2	11	AS27 Automation
0	modu525	DI2	12	AS27 Automation
0	modu525	DI2	13	AS27 Automation
0	modu525	DI2	14	AS27 Automation
0	modu525	DI2	15	AS27 Automation
0	modu525	DI2	16	AS27 Automation
0	modu525	DI2	17	AS27 Automation
0	modu525	DI2	18	AS27 Automation
0	modu525	DI2	19	AS27 Automation
0	modu525	DI2	20	AS27 Automation
0	modu525	DI2	21	AS27 Automation
0	modu525	DI2	22	AS27 Automation
0	modu525	DI2	23	AS27 Automation
0	modu525	DI2	24	AS27 Automation
0	modu525	DI2	25	AS27 Automation
0	modu525	UI3	12	
0	modu525	UI3	13	
0	modu525	UI4	14	
0	modu525	UI4	15	
0	modu525	UI4	16	
0	modu525	UI4	17	
0	modu525	UI4	18	
0	modu525	UI4	19	

Properties

1 Base Info

Name: AS27
Description: Automation Station 27

2 Configuration

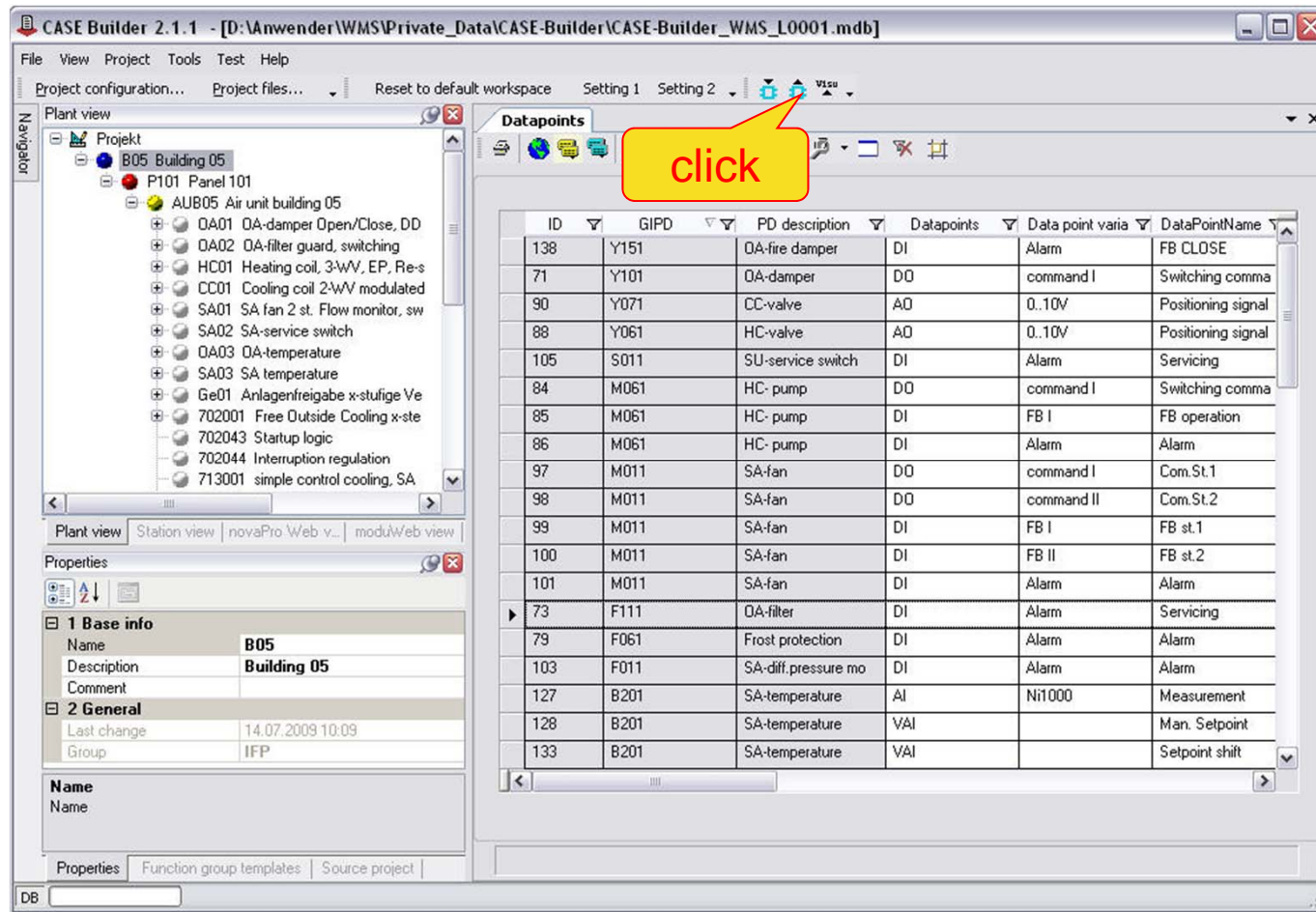
Station type: modu525

3 Communication

IP address:

XIII. Export to CASE Engine

1) Click on the export icon

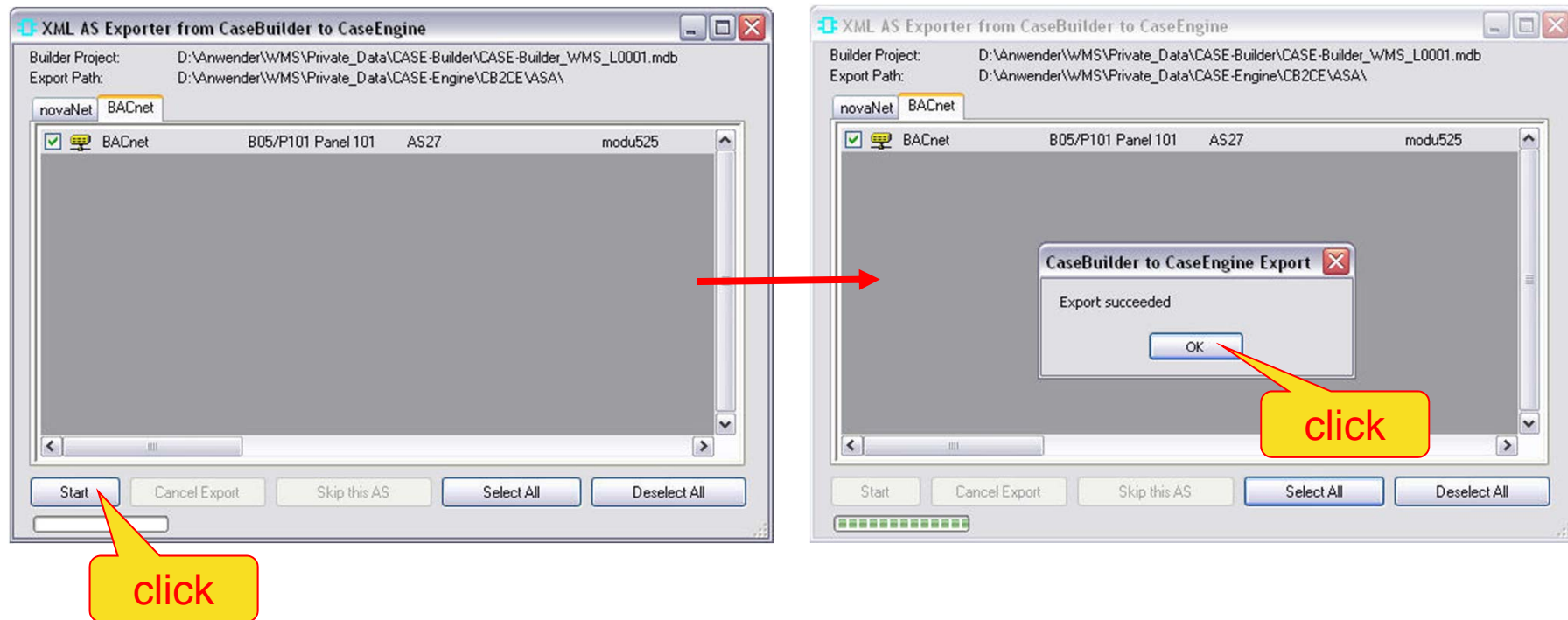


The screenshot shows the CASE Builder 2.1.1 interface. On the left is the 'Plant view' tree showing a project structure for 'B05 Building 05'. The main area displays a 'Datapoints' table with columns for ID, GIPD, PD description, Datapoints, Data point varia, and DataPointName. A yellow callout box with the word 'click' points to the export icon (a globe) in the table's toolbar.

ID	GIPD	PD description	Datapoints	Data point varia	DataPointName
138	Y151	OA-fire damper	DI	Alarm	FB CLOSE
71	Y101	OA-damper	DO	command I	Switching comma
90	Y071	CC-valve	AO	0..10V	Positioning signal
88	Y061	HC-valve	AO	0..10V	Positioning signal
105	S011	SU-service switch	DI	Alarm	Servicing
84	M061	HC- pump	DO	command I	Switching comma
85	M061	HC- pump	DI	FB I	FB operation
86	M061	HC- pump	DI	Alarm	Alarm
97	M011	SA-fan	DO	command I	Com.St.1
98	M011	SA-fan	DO	command II	Com.St.2
99	M011	SA-fan	DI	FB I	FB st.1
100	M011	SA-fan	DI	FB II	FB st.2
101	M011	SA-fan	DI	Alarm	Alarm
73	F111	OA-filter	DI	Alarm	Servicing
79	F061	Frost protection	DI	Alarm	Alarm
103	F011	SA-diff.pressure mo	DI	Alarm	Alarm
127	B201	SA-temperature	AI	Ni1000	Measurement
128	B201	SA-temperature	VAI		Man. Setpoint
133	B201	SA-temperature	VAI		Setpoint shift

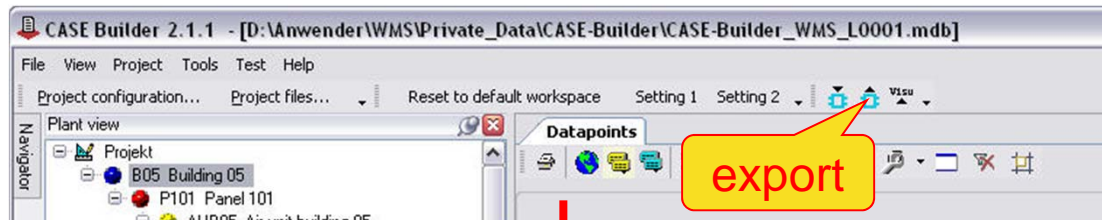
XIII. Export to CASE Engine

2) Export window

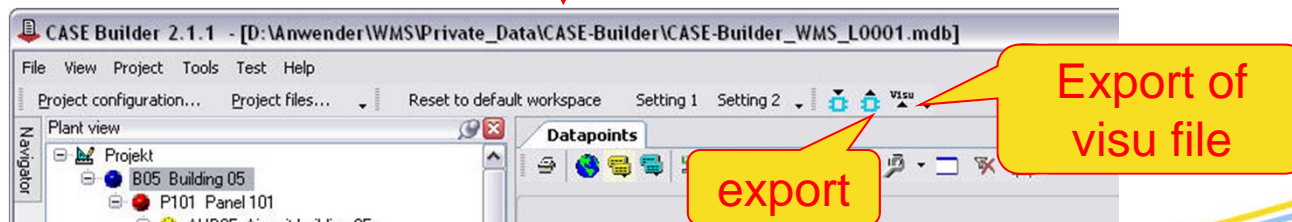
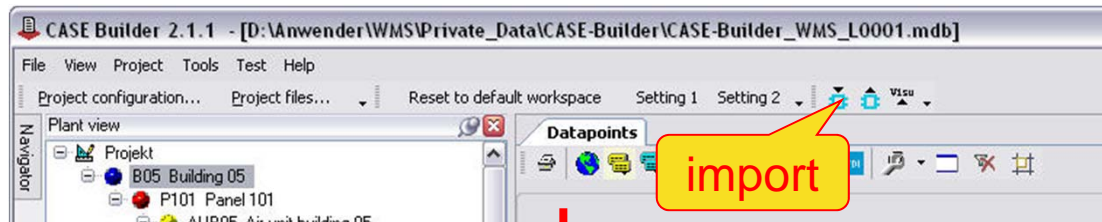


XIII. Export to CASE Engine

3) Special case for moduWeb in CASE Builder 2.1



Import in CASE Engine and new export from CASE Engine to CASE Builder



XIV. Backup of a CASE Suite project

1) Close the Builder project and the Engine project

