



DDC Suite 2.0 / ViSi.Plus Template

DDC Suite and ViSi.Plus

DDC Suite - ViSi.Plus template





DDC Suite 2.0 / ViSi.Plus Template

Syntax and remarks of actions during workshop

Please follow the teachers advice. Please

- use the same symbol names
- use the same group names
- place the FBoxes approx. at the same position
- do not work faster or different even if you are a “frequent ViSi.Plus user”

This workshop will show you some basic mechanism, structured workflow and well structured symbol organisation. Don't be afraid. You don't

- have to learn all FBoxes during this workshop
- have to be familiar with application programming
- must be a super programmer

If you just learn the mechanism and philosophy you'll understand the advantage SI can have with DDC Suite



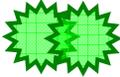


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Syntax and remarks of actions during workshop



Click with left mouse button at this position



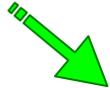
Double-click with left mouse button at this position

Click with right mouse button at this position

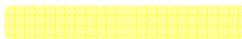


Follow the green arrow to next step

Example



Type in the blue text into the high lighted green text field



Watch this area





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Overview





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With template version T10 (e.g. VP_DDC_Suite_EN_T10) a new style in ViSi.Plus (and SWeb) has been introduced. When you restore a template project and start up ViSi.Plus you'll see the new design:

The screenshot displays the ViSi.Plus web interface. On the left is a vertical navigation menu with a 'Home' button and ten 'Category' buttons. The main content area features a central 'ViSi.Plus Server' computer icon connected to five other icons: 'Alarm management', 'Web-Server', 'Data and energy analysis', 'Historical data trending', and 'Connection to other system'. At the bottom, a status bar shows '11 New alarms' and '7 Total alarms'. A red alarm bell icon is on the left of the status bar. Below the status bar, there is a text entry field containing '04.10.2010 15:04:04 disparue Alarme Al_Tempo_0 Text alarme par défaut'. On the right side of the status bar, there are icons for settings, help, and user profile, with the user name 'Admin' and the date '25.11.10' and time '07:47:09' displayed.

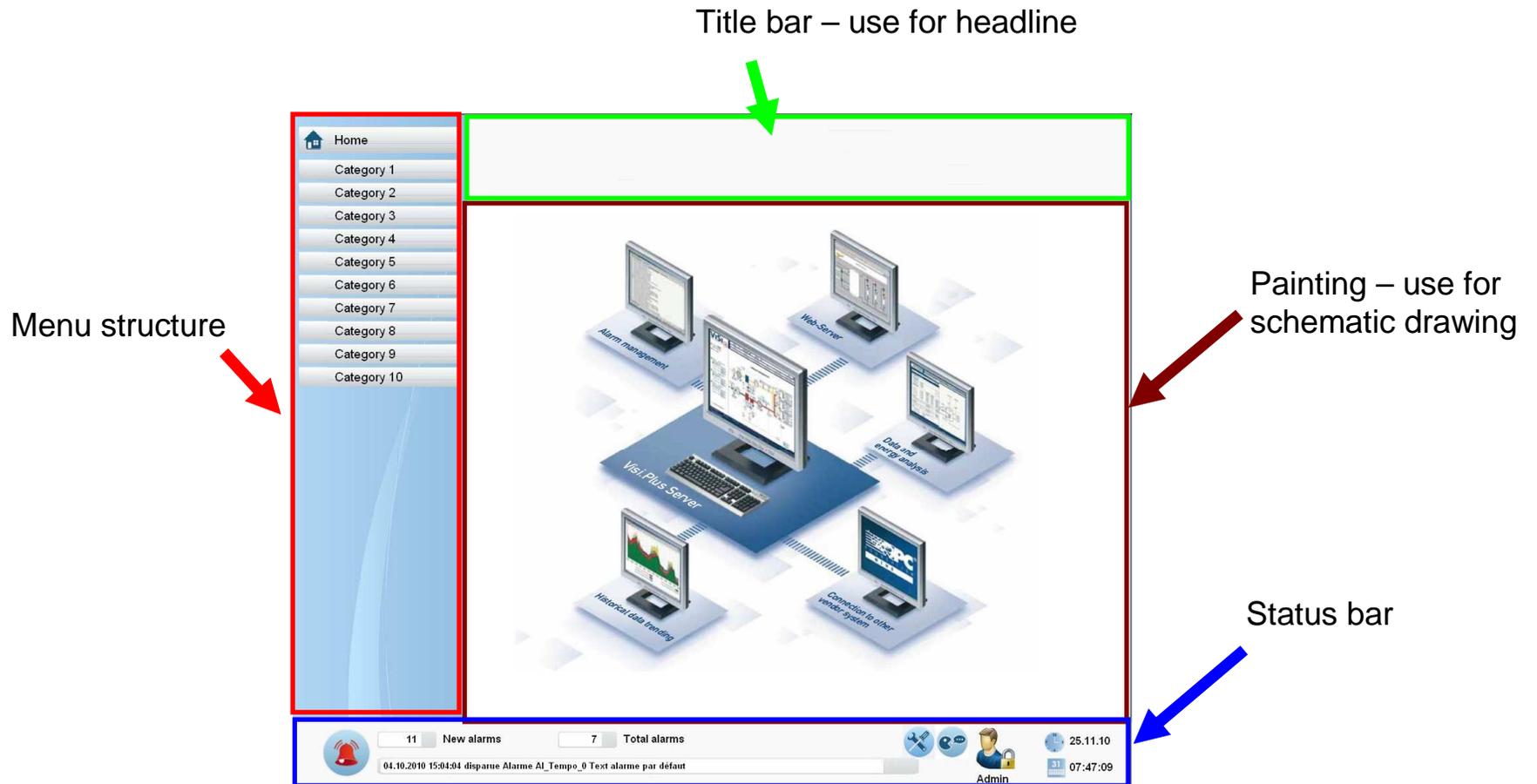




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The screen is separated in 4 areas:





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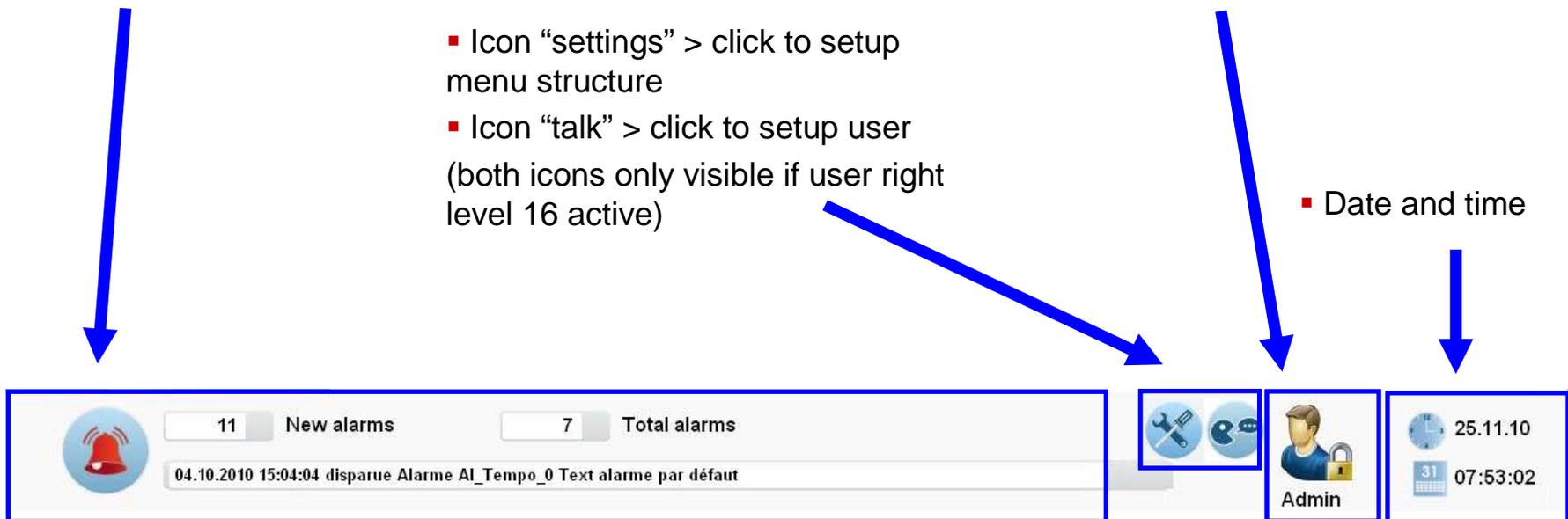
Status bar displays basic information:

- Alarm bell icon, grey if there is no alarm, red if min. 1 alarm active (click for alarm list view)
- number of new (not yet acknowledged) alarms and total active alarms
- last alarm text

- User name logged on
- “User” Icon > click for login dialog

- Icon “settings” > click to setup menu structure
- Icon “talk” > click to setup user (both icons only visible if user right level 16 active)

- Date and time





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Menu structure supports up to 10 main categories. Clicking on category opens page menu. Each category support up to 15 pages, so 150 pages are already available.





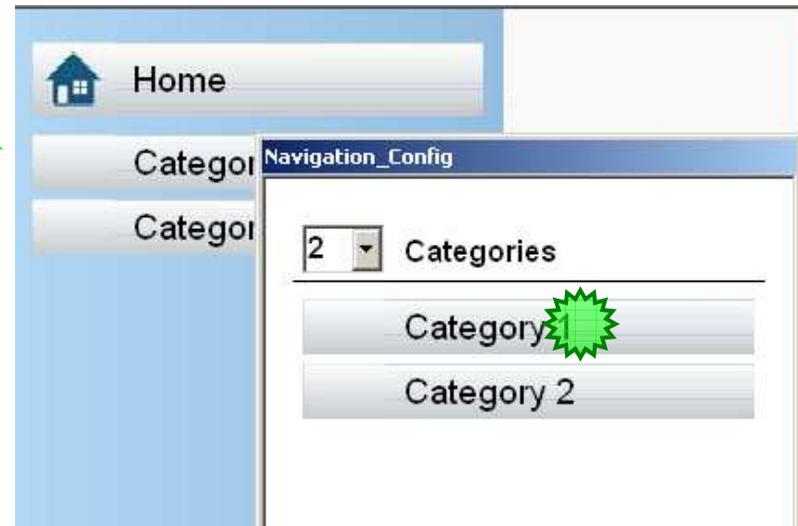
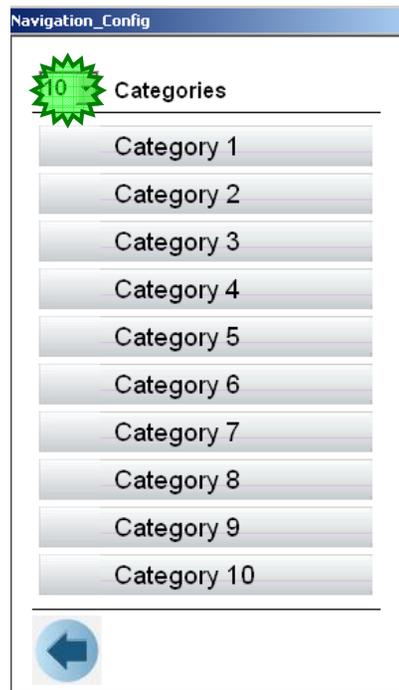
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Adapting menu structure can be done in runtime mode by clicking on “settings” icon in status bar



Select number of visible main categories. Changes will update view immediately.
Category name and pages of category can be modified by clicking on a category

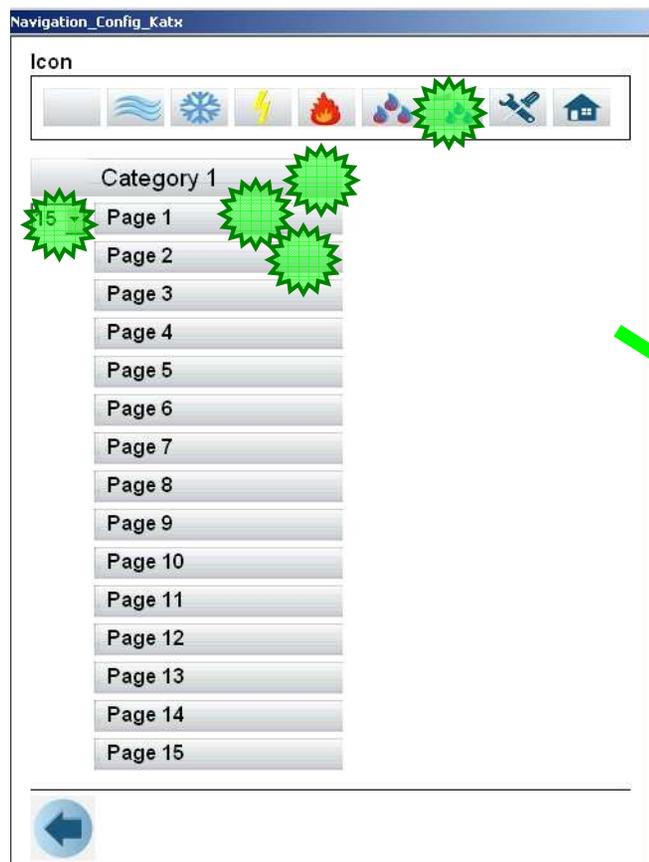




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Select number of visible pages of category. Text of category and pages can be modified by clicking on texts.



An icon indicating the basic meaning (air condition, chillers, electrics ...) of category can be defined by clicking on icon in icon bar.

View is updated immediately





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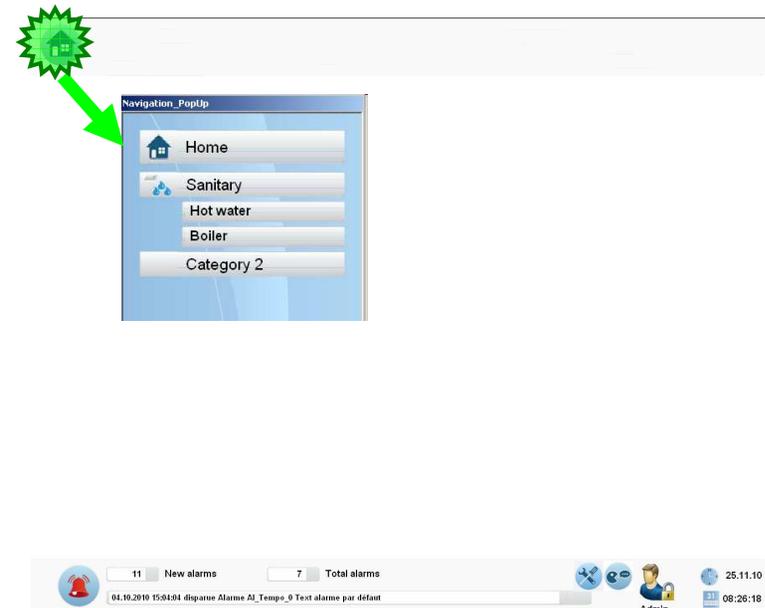
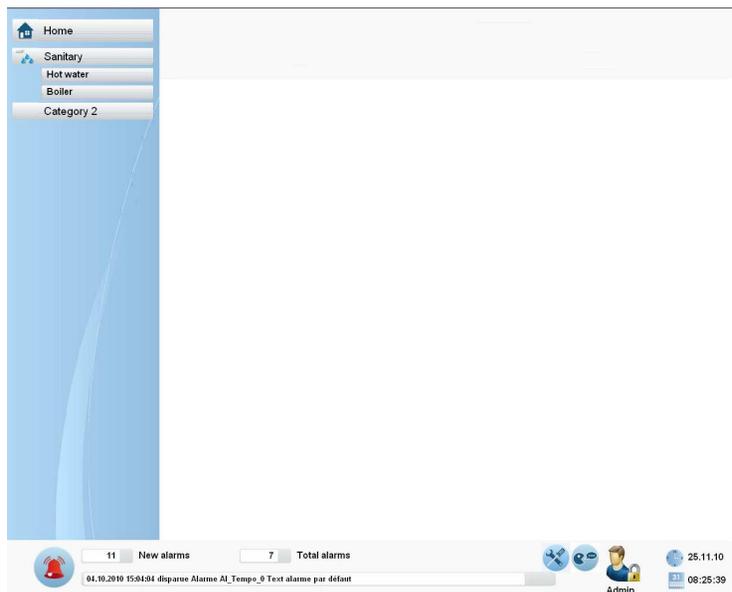
Menu structure can be used in 2 different modes:

Permanent visible

- reduces area for painting
- but navigation is easy, always visible

Pop up menu

- enlarges area for painting
- but navigation always via pop up window





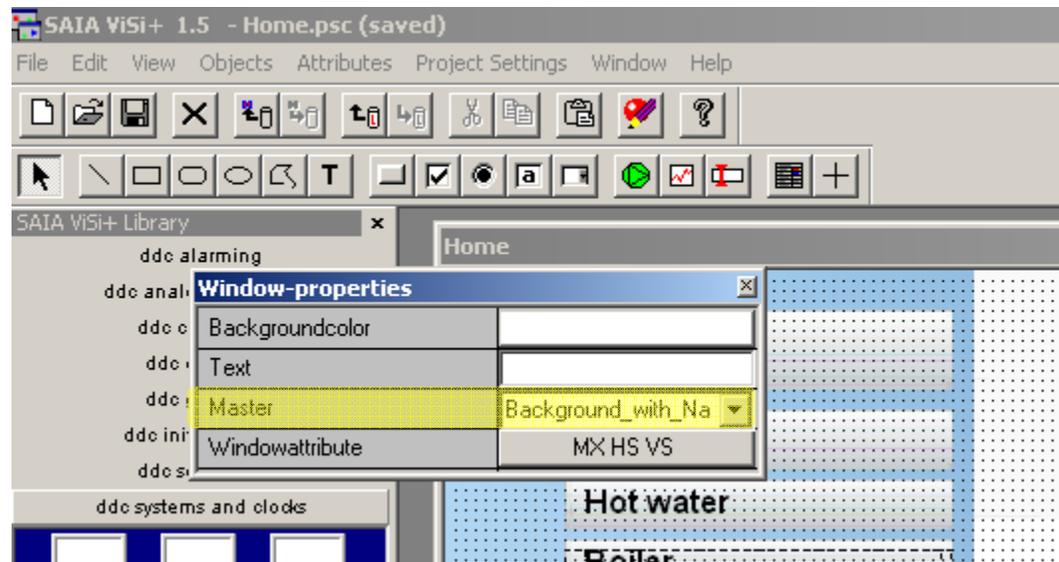
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Style can be modified in edit mode. Each page is using a “Master” (= background page). 2 predefined background pages are available:

- Background_with_NavBar.psc
- Background_with_PopUp_NavBar.psc

Select in property “Master” the style for the pages (page by page) if you like to have not always a unique menu structure style.

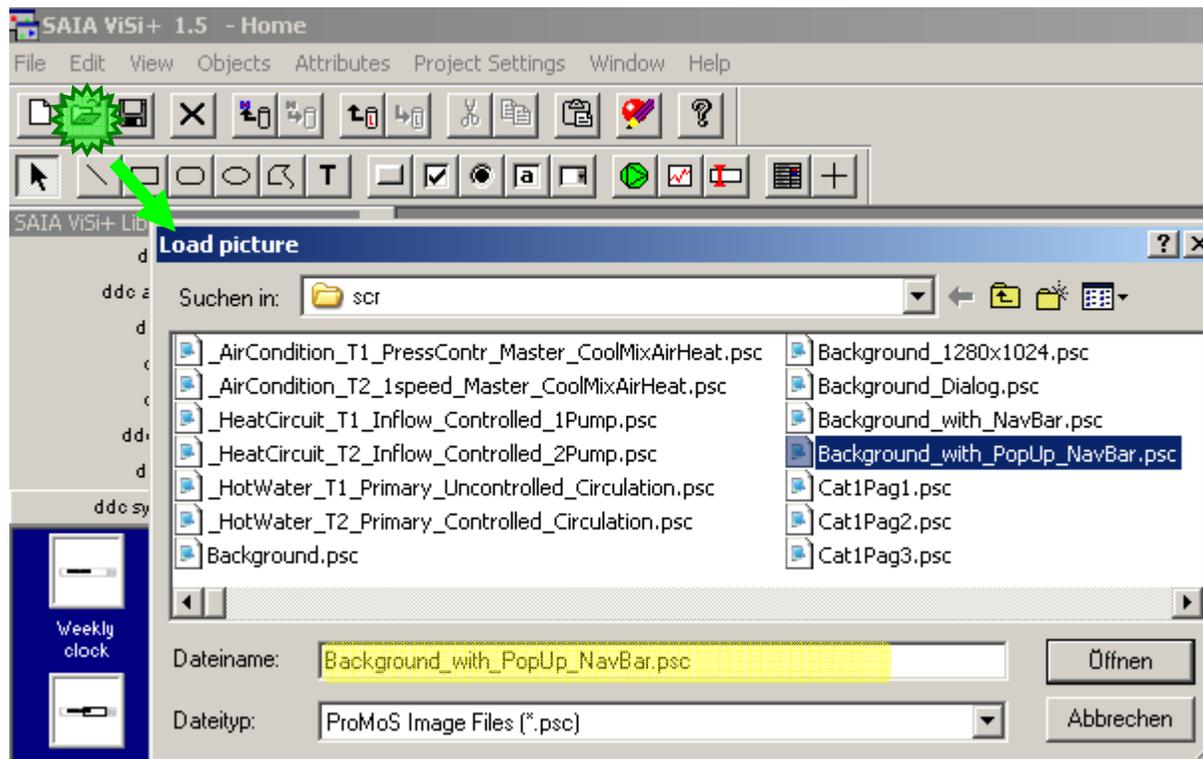




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If you like to change all pages from “permanent” to “pop up” menu structure style open file “Background_with_PopUp_NavBar.psc”

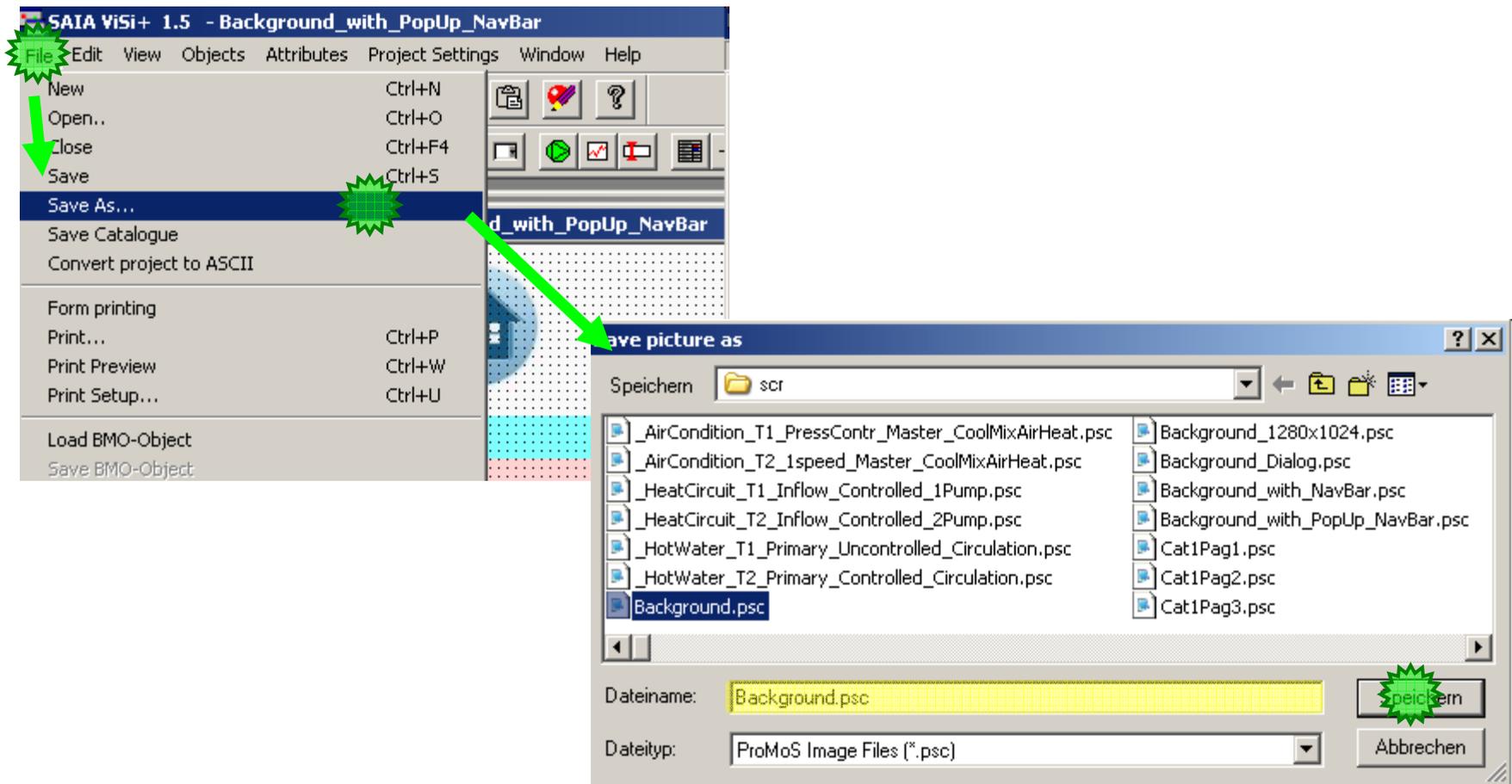




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And save file (overwrite) as “Background.psc”



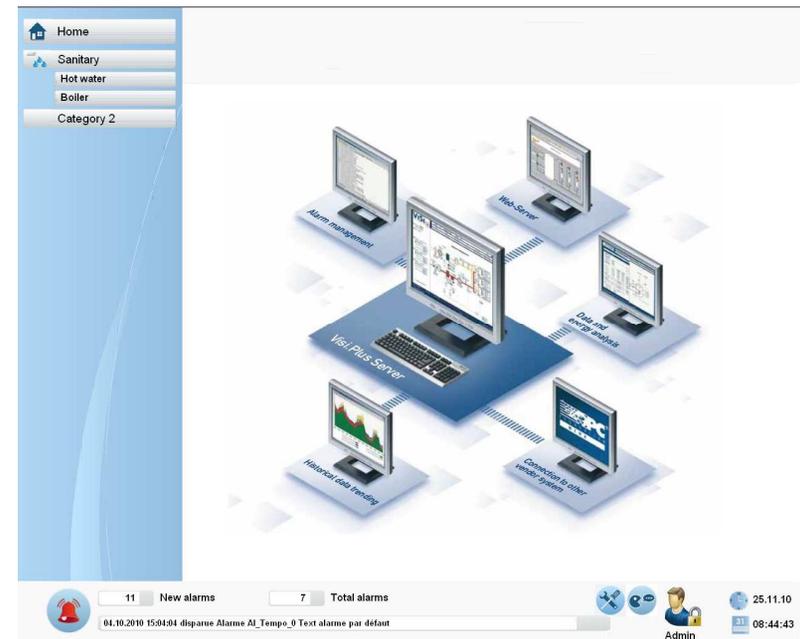
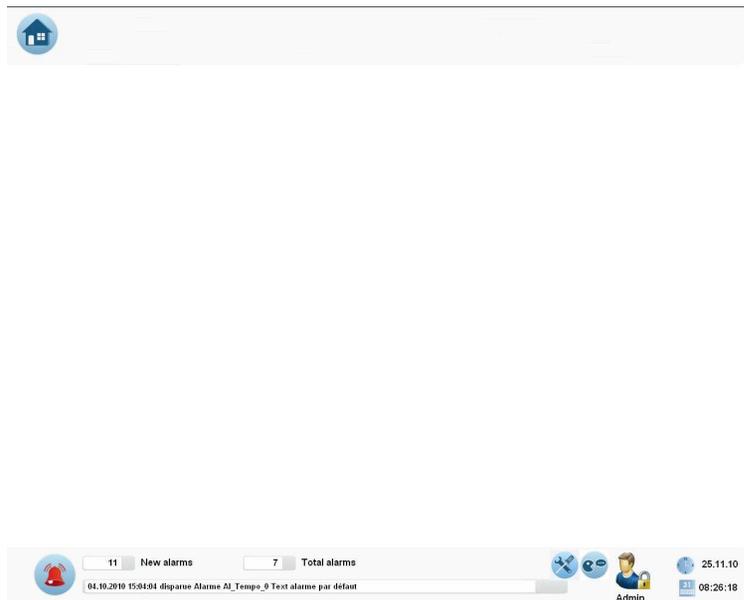


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Pages are defined to use “Background.psc” as master, so all pages are updated immediately.
Only “Home.psc” (main page) is defined to use “Background_with_NavBar.psc” to display menu structure by default, but this can also be modified.

Screen resolution for pages is predefined for 1280x1024 pixel, so if a different resolution is needed just adapt the background pages (e.g. enlarge titel/status bar or/and move status bar up/down)





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FBox related objects

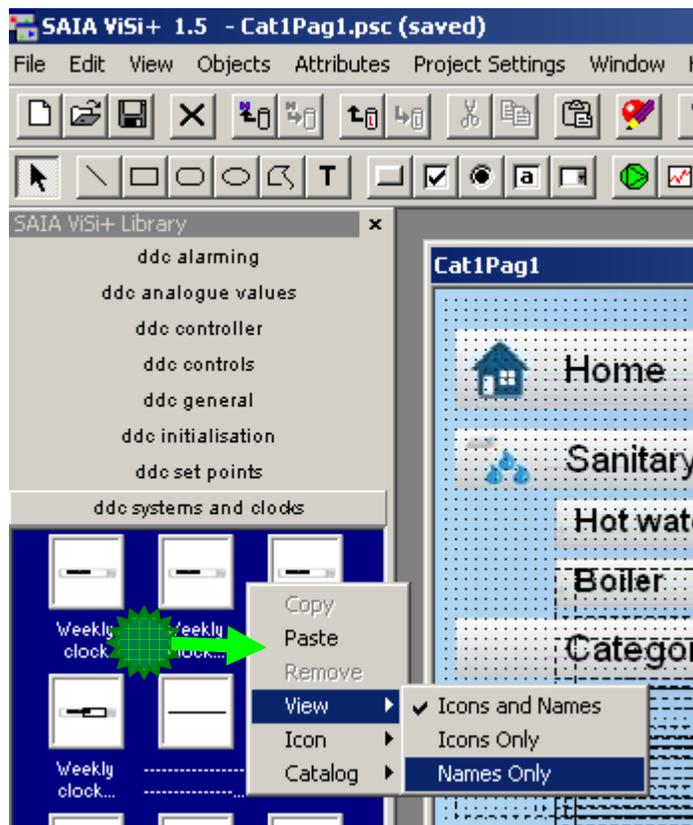




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DDC Suite and ViSi.Plus

DDC Suite Fboxes offer in ViSi.Plus predefined graphical objects and related adjust/pop up windows. In Edit mode you'll see on left side a catalogue bar. The default view (icons) is not always helpful, just change view by clicking with right mouse button on empty space in catalogue bar and select from context menu "View/Names Only".



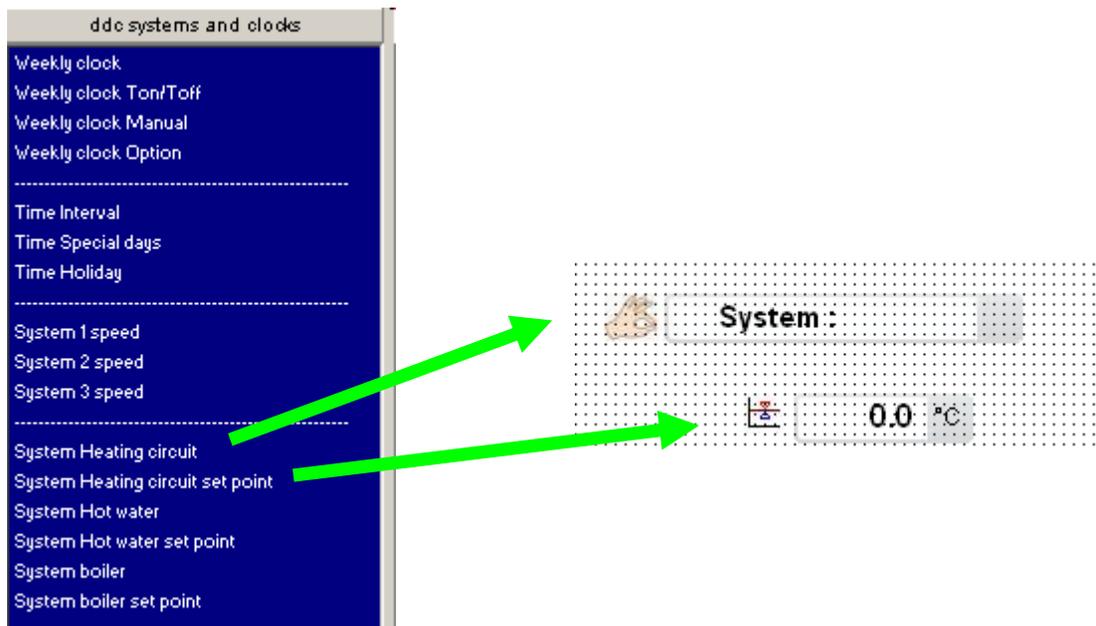


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DDC Suite and ViSi.Plus

Catalogue bar contains also 8 families (same as FBox selector) and offers for (nearly) each FBox an object with same name of FBox selector. Sometimes you'll find 2 or more entries for a FBox, e.g. "System Heating circuit" and "System Heating circuit set point".

In this case the object with "short" name is the default object, displaying the main information (System On/Off ..), the "extended" ("set point") object is just an adaption and displays in this case the set point – but both objects will show the same adjust window when clicking on it.





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You just have to select the corresponding object for an FBox and initialize it with the related object from ViSi.Plus data base. All adjust windows are predefined, clicking on graphic object will open a pop up.

The screenshot displays three overlapping windows from the DDC Suite 2.0 / ViSi.Plus interface:

- DdcEnHeatc21_SetPoint:** A window titled "Replace BMO-Name" showing a "Set point" graph. The y-axis is labeled "Set point calculated °C" and ranges from 10 to 100. The x-axis ranges from -25 to -5. A red line shows a set point curve that starts at approximately 95°C at -25°C outdoor temperature, remains constant until -10°C, then decreases to 60°C at -5°C. A horizontal red line is drawn at 60°C. To the right, "Outdoor temperature" is shown as -25.0 °C, -10.0 °C, 10.0 °C, and 22.0 °C. Below that, "Limit outdoor temp" is set to "Day".
- DdcEnHeatc21_Setup:** A window titled "Replace BMO-Name" for configuration. It includes sections for "Set point" (Maximum: 100.0 °C), "Function frost" (Title: Outdoor temp.), "Commissioning" (Mode: Off), "Duration" (0 h), "Clock", and "Function" (checked for PCD, unchecked for SCADA).
- DdcEnHeatc21:** A window titled "Replace BMO-Name" for activation and control. It has sections for "Activation" (HMI higher priority, HMI lower priority), "Channel", and "Inactive".

A green arrow points from a "System" object in the bottom left corner to the "Set point" window.





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System templates



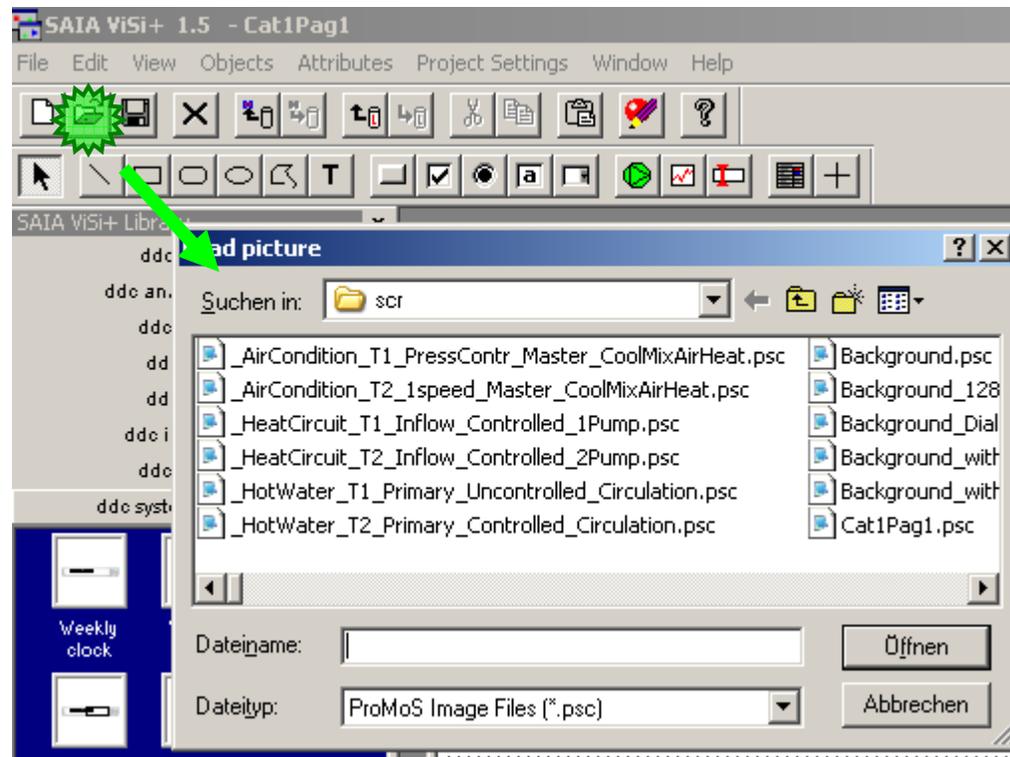


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DDC Suite and ViSi.Plus

DDC Suite (PG5) templates offers FXP system templates for air condition, hot water and heating circuit. In ViSi.Plus we also offer drawings, fitting to FXP templates.

You can use them by open file. The template files are listed always on top (because they have a “_” as prefix in file name to force this):



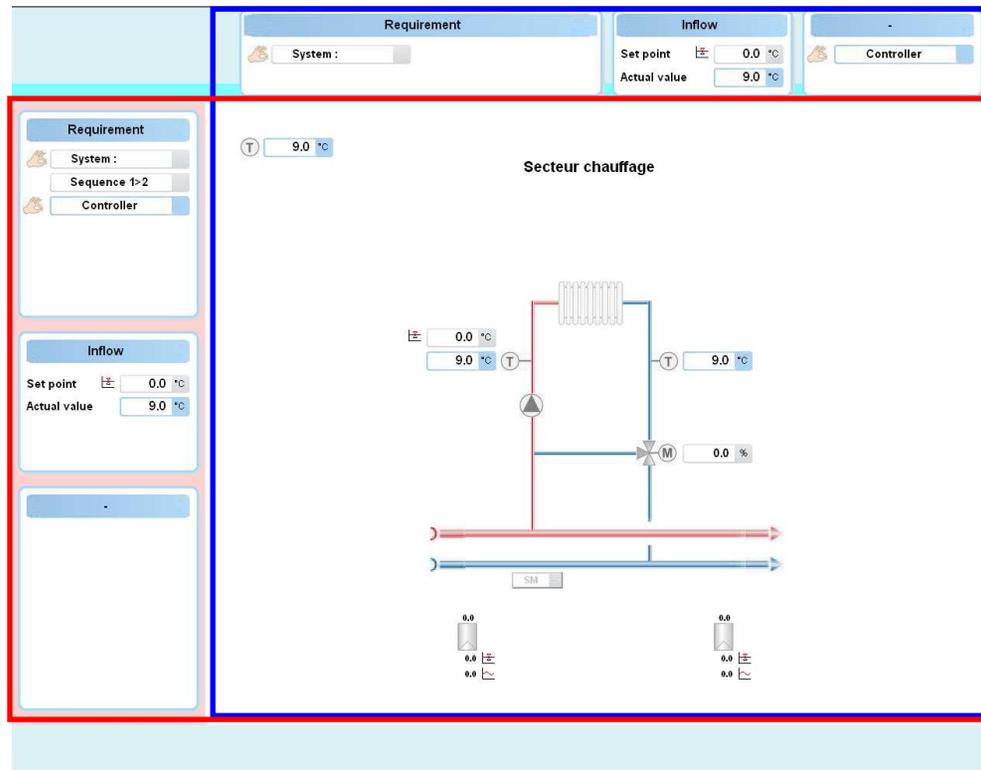


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DDC Suite and ViSi.Plus

The drawing is designed to support both menu structure styles. To copy the drawing for a page with “Pop up” menu mark red area, for a page with “permanent” menu structure mark blue area.

Copy into clipboard, close page and paste it into target page.

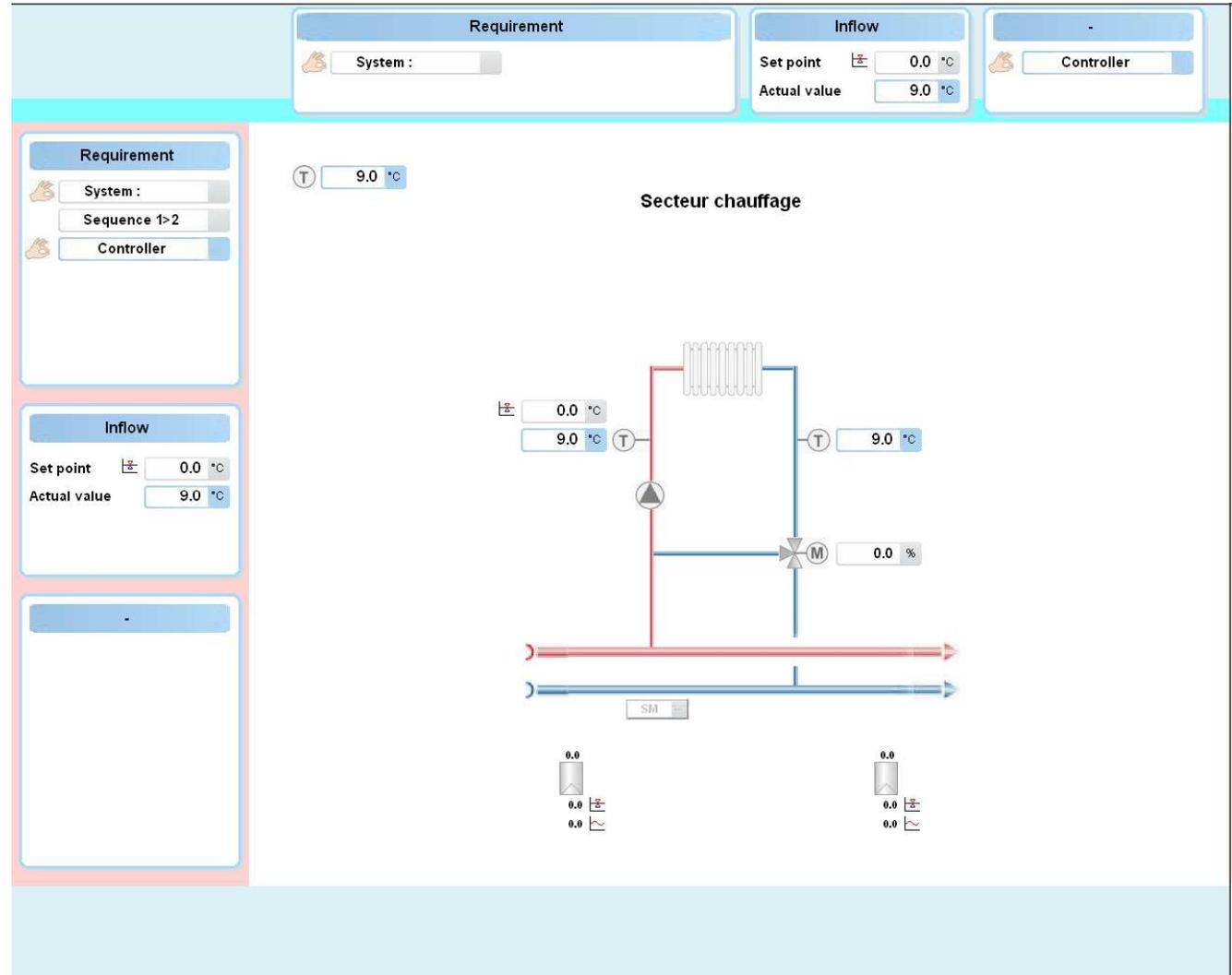




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Heating circuit T1

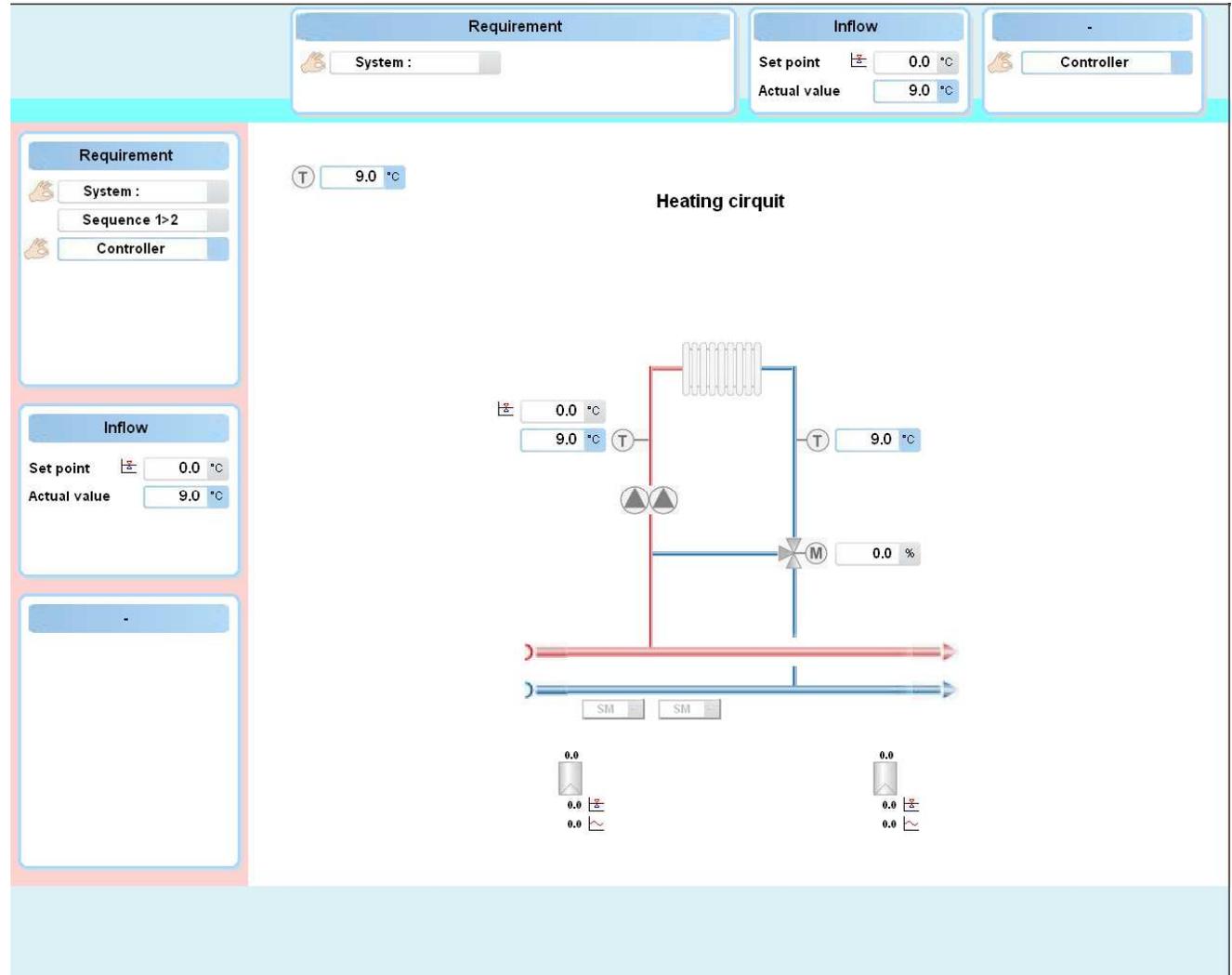




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Heating circuit T2

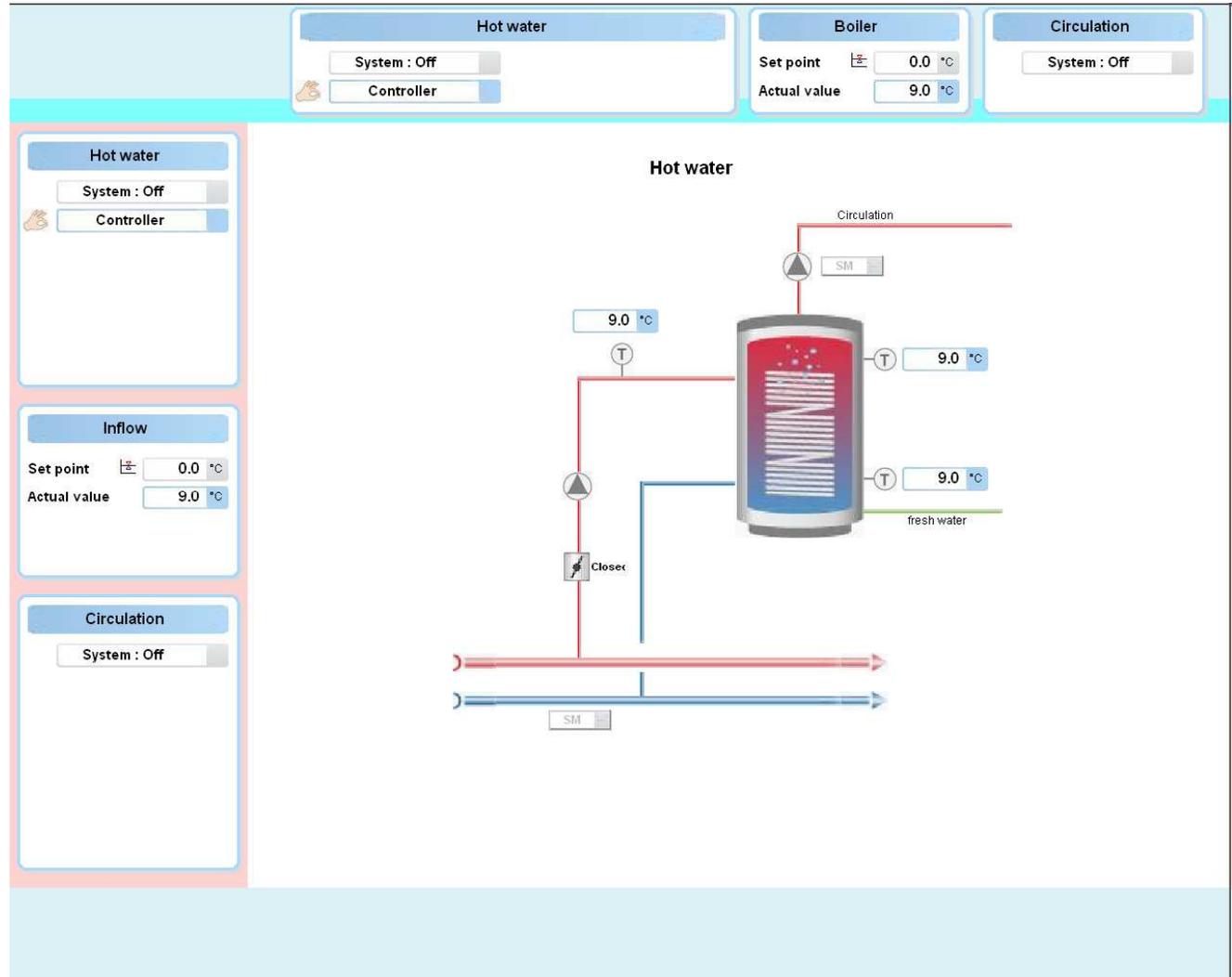




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DDC Suite and ViSi.Plus

Hot water T1

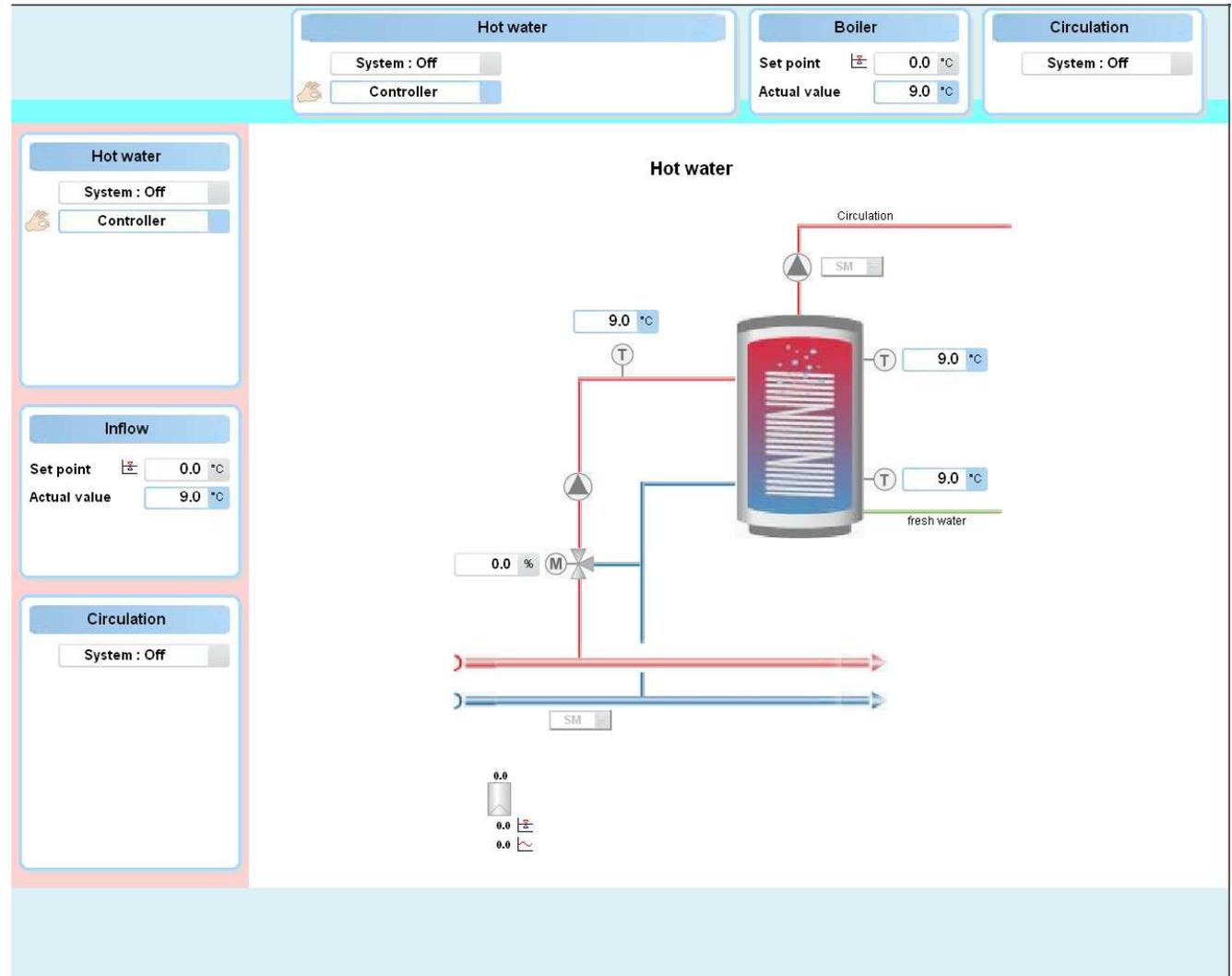




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Hot water T2

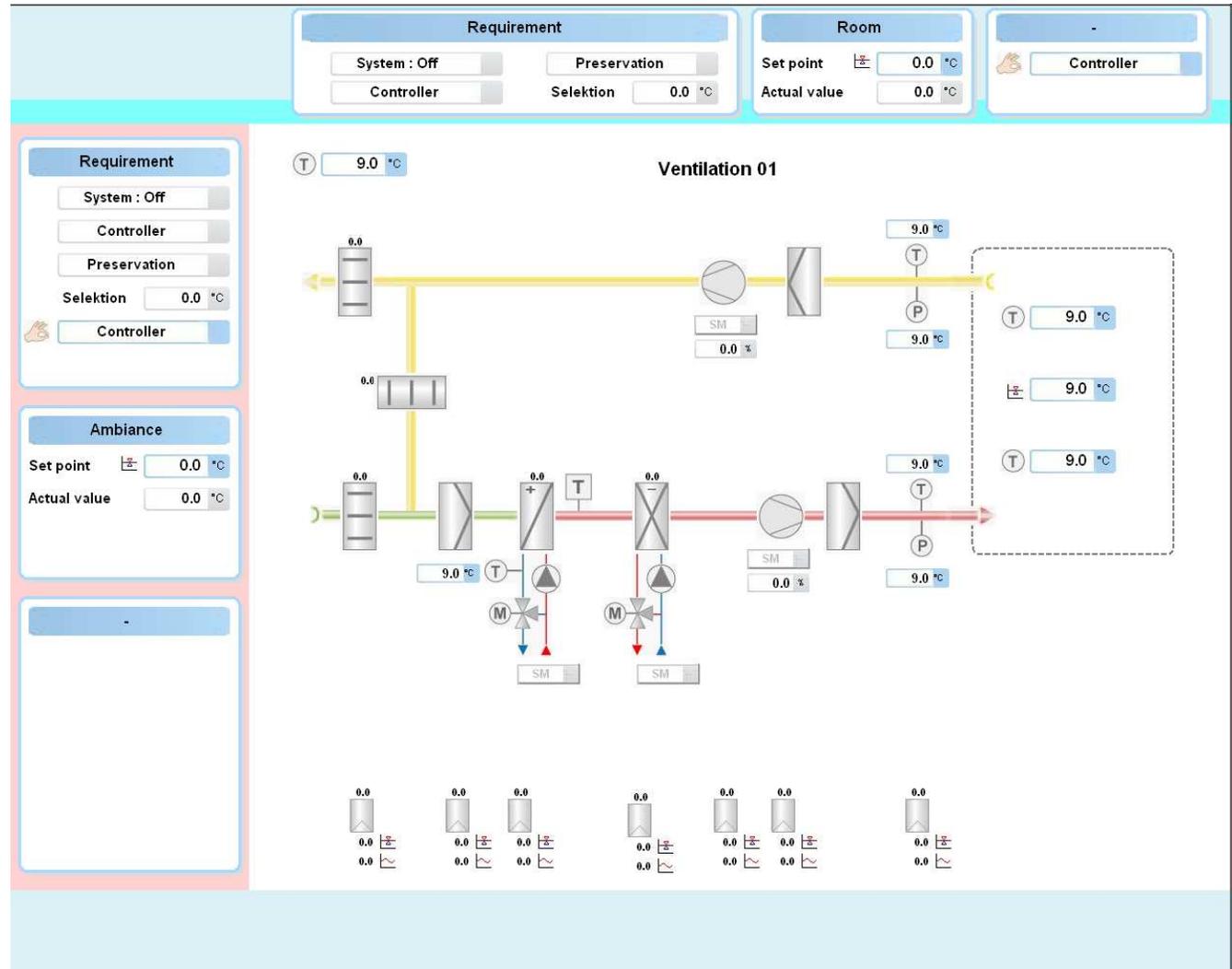




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Air condition T1





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Air condition T2

