

# Recipe administration

For the control of complex facilities or production processes - for this zenon offers the capability to manage recipes. Good usability and maximum security are the basis of all functionalities of the recipe management in zenon. Bring more standardization, efficiency and security to your production operations.



## RECIPE ADMINISTRATION WITH ZENON

With zenon Recipe Administration, it is easy to create, save and edit any desired number of parameter sets. You can define them for use at the process level at the press of a button.

- ▶ Standard recipes: administer parameter sets in a table view.
- ▶ Recipe variables can be changed and used directly in zenon process screens.

## ZENON RECIPEGROUP MANAGER

The Recipegroup Manager is an optional module that simplifies the administration of complex groups of recipes with the aid of many practical functions. Recipes can, for example, be grouped logically and format templates can be designed freely.

Advantages of the Recipegroup Manager:

- ▶ Table display for a clear overview of equipments for target/actual comparison.
- ▶ Numerous functions for the flexible administration of any number of recipes in zenon Service Engine, such as: opening, writing, reading, overwriting, copying, duplicating, exporting or importing recipes.

## FAST FACTS

- ▶ Table form or logically grouped views
- ▶ Use of recipe variables in process screens
- ▶ FDA 21 CFR Part 11 compatible
- ▶ Status monitoring/progress bars
- ▶ Quick project configuration
- ▶ Fully networkable without multiple project configuration
- ▶ Versioning and status handling

- ▶ Import of recipe data from external data sources.
- ▶ Reading in of current equipment values in order to save them in a recipe (teaching).
- ▶ Use of existing recipes as a template, recipe versioning and status handling, which helps users and saves time.
- ▶ The recipe status is interlinked with the user administration.
- ▶ Supplied, pre-defined standard screens.
- ▶ Changes in zenon Service Engine can be read back in the zenon Engineering Studio at any time, to ensure you keep your project configuration up-to-date.
- ▶ Updated data is immediately available everywhere via the network.
- ▶ All functions can be triggered manually or can be called up automatically.
- ▶ Intelligent logical functions that only need to be adapted to meet individual requirements.
- ▶ Interlocking usable.
- ▶ Comprehensive filtering capabilities (e.g. for status, filter texts or version).
- ▶ Individual keyboards/input fields possible for each parameter.

## SECURITY/USER CONCEPTS

Recipes can enable considerable changes to the equipment to be made. zenon therefore offers sophisticated security mechanisms and access rights. You can control, monitor and log access to your recipes to ensure their correct execution.

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<b>Security</b>	<ul style="list-style-type: none"><li>▶ Logging of all changes in the recipes on request</li><li>▶ Password-protected access, compliant with FDA 21 CFR Part 11</li><li>▶ Logging of all discharged values with old value/new value</li><li>▶ Status monitoring: whether a recipe has already been fully written to the PLC and which recipe is currently loaded</li><li>▶ In the event of an error, an alarm can be triggered immediately or the operation of the equipment can be blocked until the recipe has been written in full</li><li>▶ Blocked writing ensures that the data arrives at the PLC immediately</li><li>▶ The definable sequence sets out which variables are written first; users are kept informed by a progress bar</li></ul>
<b>Quick project configuration, simple operation</b>	<ul style="list-style-type: none"><li>▶ Read, write, copy, duplicate, teach</li><li>▶ Flexible import/export</li><li>▶ Use of external data sources</li><li>▶ Freely definable layout</li><li>▶ Strings in recipes</li><li>▶ Supplied standard screens, which include functions</li><li>▶ Setting parameters also possible directly via process screens</li><li>▶ Versioning</li><li>▶ Status handling (interlocking to user administration)</li><li>▶ Freely definable keyboards/input fields</li><li>▶ Extensive filter functions</li><li>▶ Interlocking of recipe parameters</li></ul>