



# elproEVENT

## Operation Manual



## ELPRO-BUCHS AG

### Warranty conditions and liability disclaimer

#### Liability

- ELPRO-BUCHS AG does not accept any liability for direct, indirect, special, incidentally occurring, randomly occurring or subsequent damage or losses including lost profit or data resulting from the use of their dataloggers, sensors, accessories, software products or information from the documentation.
- ELPRO-BUCHS AG does not bear any responsibility for the installation of the software products.
- ELPRO-BUCHS AG does not provide any guarantees, either explicit or implicit, regarding the usability or suitability of their products for a specific purpose.
- In the interest of our customers we reserve the right to make changes and discontinue the product on the basis of technical advancement. For this reason the functionality, diagrams, descriptions and scope of supply can be modified without prior notification.
- As individual countries or states do not permit the concept of an implicit warranty or a liability disclaimer for incidental or subsequent damage, the restrictions and disclaimers may not apply to all customers. If one of the provisions of this warranty is declared by a competent court to be invalid or not enforceable, this does not affect the validity or enforceability of the remaining provisions.
- ELPRO-BUCHS AG does not accept any liability for transport damage.
- In general the statutory regulations of Switzerland apply.

#### Guarantee

- The guarantee obligations of ELPRO-BUCHS AG are limited to reworking, reimbursement of the purchasing price, repair free of charge or the replacement of a faulty product that is returned within the guarantee period to ELPRO-BUCHS AG or an approved reseller of ELPRO-BUCHS AG.
- There is no obligation to provide on-site customer support by an employee of ELPRO-BUCHS AG.
- The guarantee is only applicable to the original purchaser or end user and customer of an approved reseller of ELPRO-BUCHS AG.
- Resellers approved by ELPRO-BUCHS AG are not authorized to enter into any extended or different guarantee obligations in the name of ELPRO-BUCHS AG.
- ELPRO-BUCHS AG provides a guarantee of 24 months on the following new products:
  - Dataloggers
  - Holders
  - Accessories except probes and third party products
- This guarantee is valid for material faults or production faults.
- ELPRO-BUCHS AG provides a guarantee of 6 months for the following products and services:
  - All service work and repair
  - Temperature sensor
  - Humidity sensor
- ELPRO-BUCHS AG provides a 90 day guarantee (Microsoft / 180 with Trados) that the medium on which the software product is supplied is free from material and processing faults under normal conditions. All main items of the software product comply with the operating instructions and the information in the help file.
- The guarantee does not apply to consumables, disposable batteries or any other product that ELPRO-BUCHS AG deems to be:
  - misused.
  - modified.
  - replaced by an incorrect product.
  - or damaged by accident or operating or handling conditions that are not compliant with specifications.
- Wear, cable breakage and corrosion are not covered by the guarantee.
- ELPRO-BUCHS AG provides the guarantee period of the manufacturer for third party products.
- ELPRO-BUCHS AG only provides a guarantee and customer support for discontinued products for a limited period.
- Repair work covered by the guarantee is solely carried out at the works (ELPRO-BUCHS AG) or by an agent approved by the works.
- ELPRO-BUCHS AG does not offer any guarantee for the standard or SCS calibration of the dataloggers and probes. The stated data correspond to the situation during the calibration process.

#### Software

- The software products of ELPRO-BUCHS AG are subject to internal quality requirements and are validated regularly at the works. In the event of program errors, circumvention of the error is regarded as constituting its elimination.
- Software operating instructions neither contain instructions on the basic operation of a computer nor the basic functions of the Windows® Operating System. For information on the operation of the computer or the operating system please refer to the applicable computer manuals.

#### dataloggers, sensors and accessories

- ELPRO-BUCHS AG applies the highest quality standards during production of the dataloggers and their accessories as well as a certified quality management system in compliance with ISO 9001:2008.
- For information on operation of the dataloggers and their accessories please refer to the respective product documentation.
- During the installation of dataloggers, probes and accessories, compliance with the locally valid installation regulations is mandatory.
- When used in potentially explosive atmospheres, the zone category and the application and safety instructions of ELPRO-BUCHS AG must be complied with.
- In the event of a guarantee claim, customers receive a repair cost estimate from ELPRO-BUCHS AG to obtain the corresponding consent before starting work.
- The customer will bear the transport costs incurred for any repairs carried out by ELPRO-BUCHS AG. The DAP (value added tax) is borne by ELPRO-BUCHS AG.
- ELPRO-BUCHS AG reserves the right to invoice the customer for costs incurred for repair/part replacement.
- After repair work, the product is returned to the purchaser, who will be charged with the return shipping costs (FOB shipping point).

#### Trademarks

- All stated company and product names and their trademarks are the protected property of the respective owner.

# Table of Contents

<b>1</b>	<b>Before You Start</b> .....	6
1.1	System Requirements.....	6
<b>2</b>	<b>Starting elproEVENT</b> .....	7
2.1	Login .....	7
2.2	Start View.....	7
2.3	First Startup of elproEVENT .....	8
<b>3</b>	<b>TOOLS</b> .....	9
<b>4</b>	<b>APPLICATION</b> .....	11
<b>5</b>	<b>View</b> .....	12
5.1	All Events .....	12
5.2	Detail Events.....	13
5.3	Sensor Events.....	14
<b>6</b>	<b>Filters</b> .....	15
6.1	Incident Number.....	15
6.2	Code / Key / Value .....	16
6.3	Sorting.....	16
6.4	Filters .....	16
6.5	Example 1: Filters by "Sensor Name" and "Value" .....	18
6.6	Example 2: Filter by Event Name .....	21
<b>7</b>	<b>Print Report</b> .....	23
7.1	Zoom.....	24
7.2	Save Print Preview.....	24
<b>8</b>	<b>Report Automation</b> .....	25
8.1	General .....	25
8.2	Sort Sequence .....	26
8.3	Filter Rules .....	27
8.4	Save / Send .....	28
8.5	E-mail Server .....	29
8.6	Schedule .....	30

<b>9 Options</b> .....	31
9.1 General .....	31
9.2 Comment Template .....	32
<b>Annex A: Database Entries</b> .....	34
<b>Revision History</b> .....	35
<b>Index</b> .....	36

## Employed Symbols and Their Meaning



Information.



### IMPORTANT INFORMATION AND WARNINGS



Reference to explanatory section [xxx / yyy / zzz; e.g. 2.2 *Start View* / Title / PC time] or document



Current cursor position

ECOLOG-NET

Name of network datalogger

Details about the current range of products and their data sheets are available at: [www.elpro.com](http://www.elpro.com)

elproMONITOR

This application is used to supervise, display, and archive sensor data.

⇒ SM3031E

elproUSER

elproUSER manages users who work with elproMONITOR.

⇒ SU3031E.



In the interest of our customers, we reserve the right to make any changes resulting from technical advancement. Therefore, schematic diagrams, descriptions, and scope of delivery are subject to change without notice.

# 1 Before You Start

elproEVENT logs all actions carried out by elproEVENT or elproUSER, and all events that occur during elproMONITOR runtime.

**The following functions are part of the program:**

- Logging actions in an event database.
- Schedule to create automatic reports.

## 1.1 System Requirements

For details of system requirements, see:

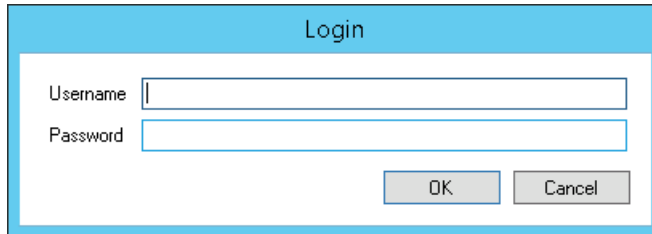
[www.elpro.com](http://www.elpro.com) → SUPPORT CENTER → elproEVENT



The "ReadMe" file contains information about the latest functions.

## 2 Starting elproEVENT

### 2.1 Login



Login window

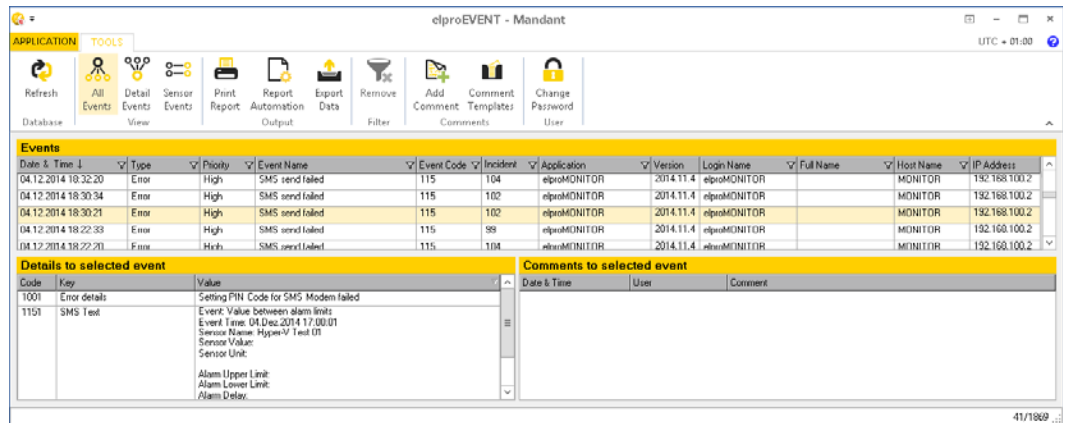
Start the software by entering your:

- Username and
- Password

**THE PASSWORD FUNCTION IS ONLY ACTIVATED WHEN ELPROUSER IS USED, SEE OPERATION MANUAL SU3031D.**

### 2.2 Start View

**TOOLS**



Start window of elproEVENT

The start window contains the TOOLS menu bar which comprises all the elproEVENT functions to evaluate a database.

⇒ 3 TOOLS

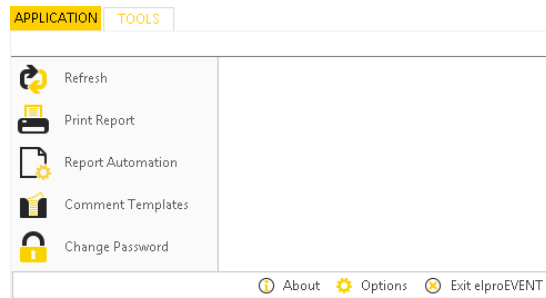
**Example**

The "Details to selected event" and the "Comments to selected event" are listed when an entry is selected from the Events list.

## 2.3 First Startup of elproEVENT

After starting the elproEVENT software, you must make a number of settings. The input window for these settings is under the menu APPLICATION - Options

### APPLICATION



⇒ 4 APPLICATION  
APPLICATION - Menu

### Options

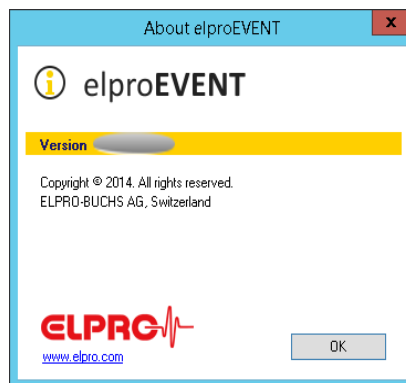
Before you start using elproEVENT, you should make the following settings:

- ⇒ 9.1 General
- ⇒ 9.2 Comment Template

2

### About

Information on the current edition of the elproEVENT is contained in the About window.



*elproEVENT version*

- Version number: 2015.2.X.X
- Copyright information

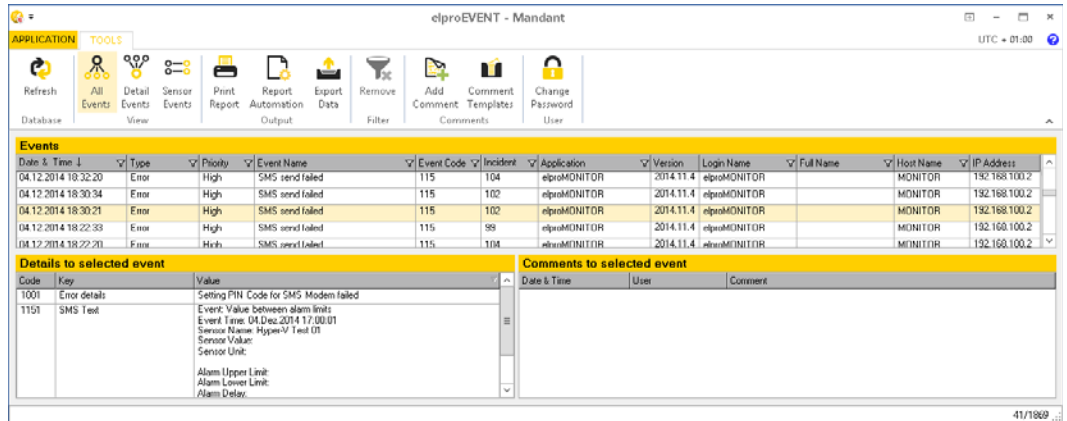
### Exit elproEVENT

Exit elproEVENT











# 3 TOOLS

**TOOLS**



TOOLS - View

A tooltip is displayed when you hover the mouse pointer over an icon.

- Tenant Designation in the database, e.g. building name (optional)
- UTC +1:00 Time format ⇒ 9.1 General
-  Refresh Updates the open database to display the last actions.
-  Description of 3 possible views of events with examples. ⇒ 5 View
-  Opens the print preview window to print all selected data. ⇒ 7 Print Report
-  This function is used to create automatic reports that are regularly required from the elproEVENT database. ⇒ 8 Report Automation
-  The current database is exported to a CSV file for subsequent data analysis. Data export is only possible in the "All Events" view.
-  Deletes all filter settings. ⇒ 6 Filters
-  Event documentation ⇒ 2.2 Start View
-  Comments can be added to all events. They are entered for a particular event in the "All Events" main window. You can write your own comments or select one from the "Comment Templates" as a shortcut option. ⇒ 9.2 Comment Template
- Login Name This is the name of the user logged in (your login).
- 41/1869 Filter Criterion / Total  
This is the number of entries after filtering and the total number of entries in the database.



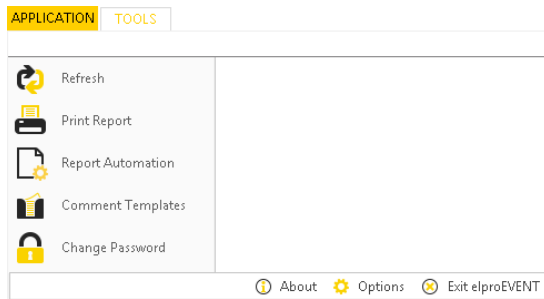
Opens the window to change a password.

A dialog box titled 'Change Password' with a light blue header. It contains three text input fields: 'Old Password', 'New Password', and 'Retype new Password'. At the bottom right, there are two buttons: 'OK' and 'Cancel'.

As soon as a database is assigned, all actions and events are logged; it is not necessary for the elproEVENT program to be open.

# 4 APPLICATION

## APPLICATION



APPLICATION - Menu

A tooltip is displayed when you hover the mouse pointer over an icon.

Use the APPLICATION menu to perform rapid evaluation of an elproEVENT database. Details of these functions are explained in the sections below.

- Updates the open database to display the last actions.
- Opens the print preview window to print all selected data. ⇒ 7 Print Report
- This function is used to create automatic reports that are regularly required from the elproEVENT database. ⇒ 8 Report Automation
- Templates to create reports. ⇒ 9.2 Comment Template
- Opens the window to change a password.

Change Password	
Old Password	<input type="text"/>
New Password	<input type="text"/>
Retype new Password	<input type="text"/>
<input type="button" value="OK"/> <input type="button" value="Cancel"/>	




# 5

## View

elproEVENT offers 3 options to display the information contained in the database.

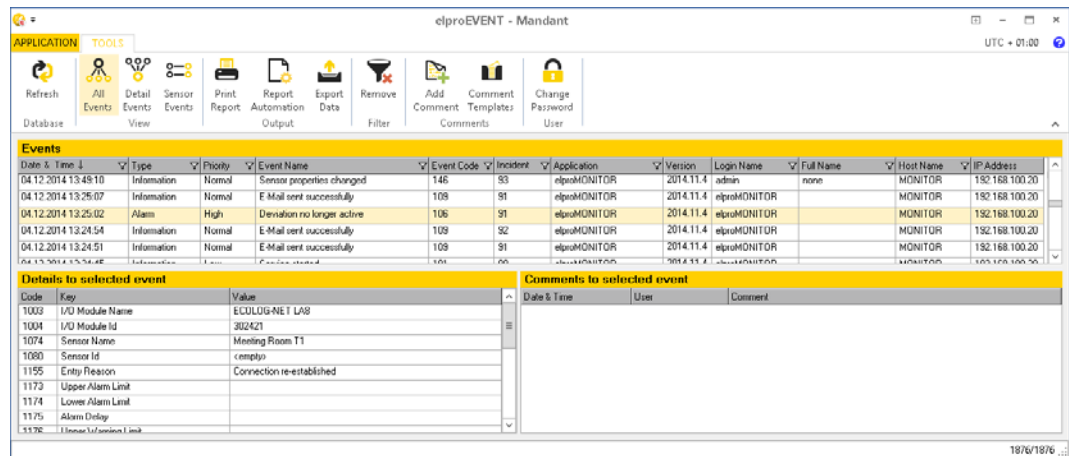
*A tooltip is displayed when you hover the mouse pointer over an icon.*

### View

-  List of all events.
-  Details to selected event
-  Only sensor-related events are listed.

## 5.1

## All Events



View: All Events

Key

Column header, for example Key

Example

All events recorded in the elproEVENT database are listed. The Detail window lists the information on the selected event that took place on 04.12.2014 13:25:02.

*Events*

⇒ 6 Filters - Events

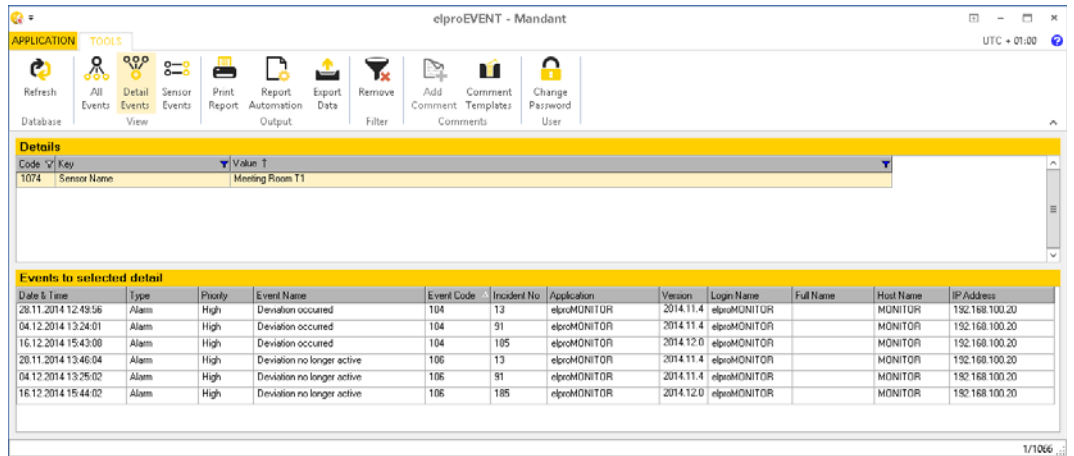
*Details to selected event*

⇒ 6 Filters - Details

*Comments to selected event*

⇒ 6 Filters - Comments

## 5.2 Detail Events



View: Detail Events

**Example**

After filtering, all the events belonging to the "Meeting Room T1" detail are listed. (5.1 All Events - 04.12.2014 13:25:02)

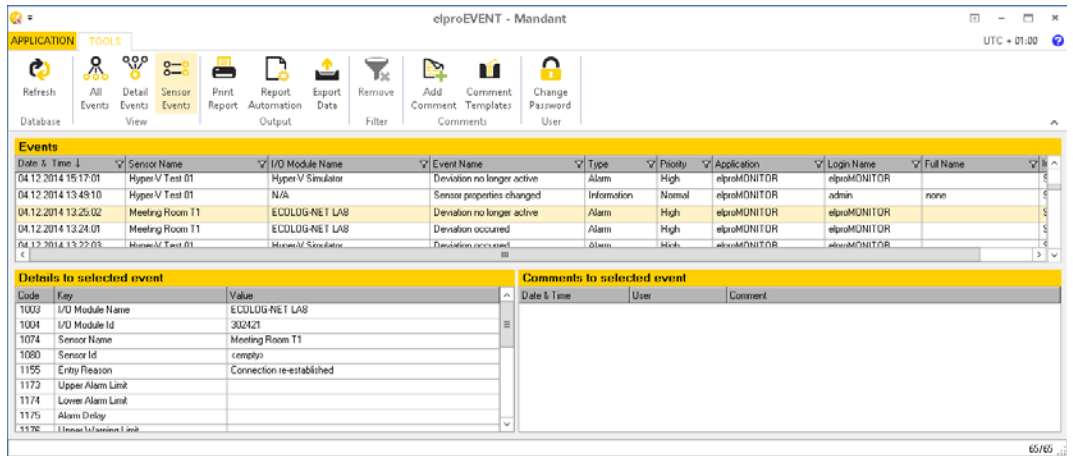
Details

⇒ 6 Filters - Details

Events to selected detail

⇒ 6 Filters - Events

### 5.3 Sensor Events



View: Sensor events

**Example**

The details relating to this event are listed using the "Meeting Room T1" sensor defined in the Sensor Events list.

Events

⇒ 6 Filters - Events

Details to selected event

⇒ 6 Filters - Details

5

Comments to selected event

⇒ 6 Filters - Comments

## 6 Filters

Each event is documented with several items of additional information.

### Events

Login name	If elproUSER is not used, the logged-in user is recorded in the operating system. ⇒ elproUSER
Date & Time	Time at which the event occurred.
Event Name	Comments on the event.
Event Code	Each event has a unique number.
Host Name IP Address	PC on which the event occurred.
Priority	Criteria for events that have a similar meaning. 3 = high 2 = normal 1 = low
Application	Program name in which the event occurred.
Sensor Name	Information that is specified when the datalogger is configured.
Type	Information group that an event can be assigned to: 1 = Information 2 = Warning 3 = Error 4 = Alarm
Version	Program version in which the event occurred.
Full Name	⇒ elproUSER
Incident	⇒ 6.1 <i>Incident Number</i>

### Details

Code	⇒ 6.2 <i>Code / Key / Value</i>
Key	
Value	

### Comment

Date & Time	
User	⇒ Events - Login name
Comment	

### 6.1 Incident Number

Each incident has a unique number. Incidents belonging to the same event are documented with the same incident number, e.g. "Application started - Application finished", or all events that belong to the same alarm ...

## 6.2 Code / Key / Value

*Code*

A "Code" stands for a unique number.

*Key / Value*

These parameters provide detailed information on an event in plaintext. The content of the "Value" parameter depends on the information in the "Key" parameter. The language in this information corresponds to the language setting in the application which caused the key.

## 6.3 Sorting



Information can be listed in ascending or descending order.

This function is activated by clicking the column header. Only one column can be selected as a sort criterion.

## 6.4 Filters

The filters let you extract selected data depending on the column. Several filters can be linked by an AND/OR condition for the filter process.



If the filter symbol is empty, no filter has been activated.

6



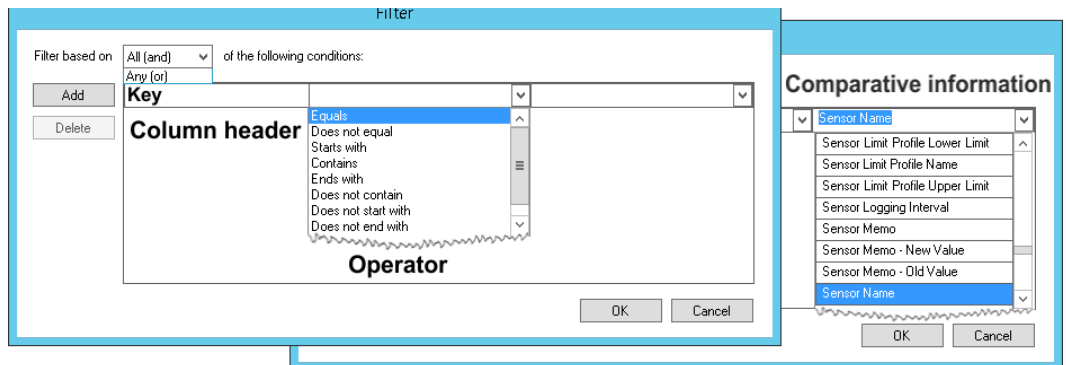
If the filter symbol is dark blue, a filter was activated.



Delete filter.



### 6.4.1 Filter Conditions



Example of a filter

*Filter based on....*

Several filter conditions can be linked by "All" or "Any". After filtering the database, the data correspond to the following conditions:

- Any: Only one of the filter conditions must be met (OR condition).
- All: All filter conditions must be met (AND condition).

*Filter Conditions*

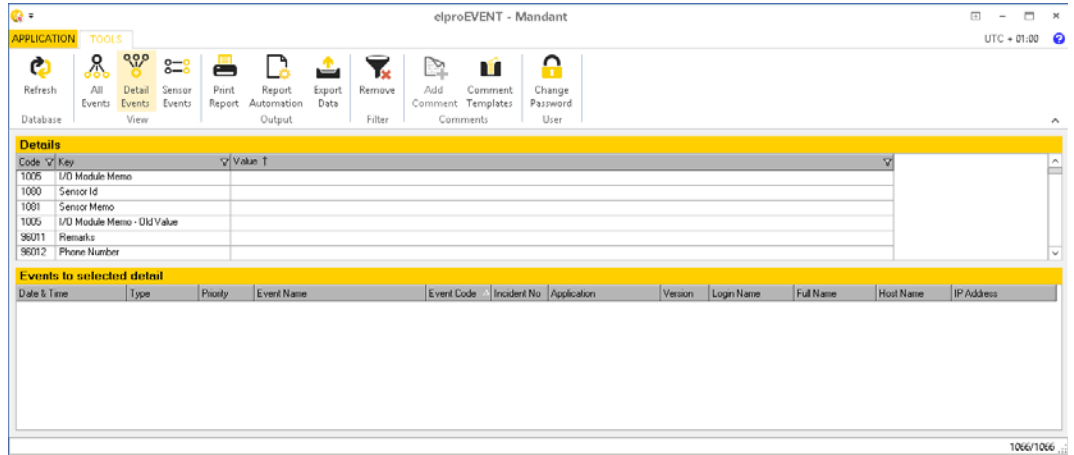
A filter is defined by 1 or more conditions. Each filter condition comprises 3 elements:

- Column header, for example Key  
  - ⇒ 5.1 All Events
- One operator  
 Operators are logic comparison functions. They compare information in the assigned column with the specified comparison information. Selecting the possible comparison functions is column-dependent.
- A comparative item of information  
 The language of the expressions equals the language setting of the database.

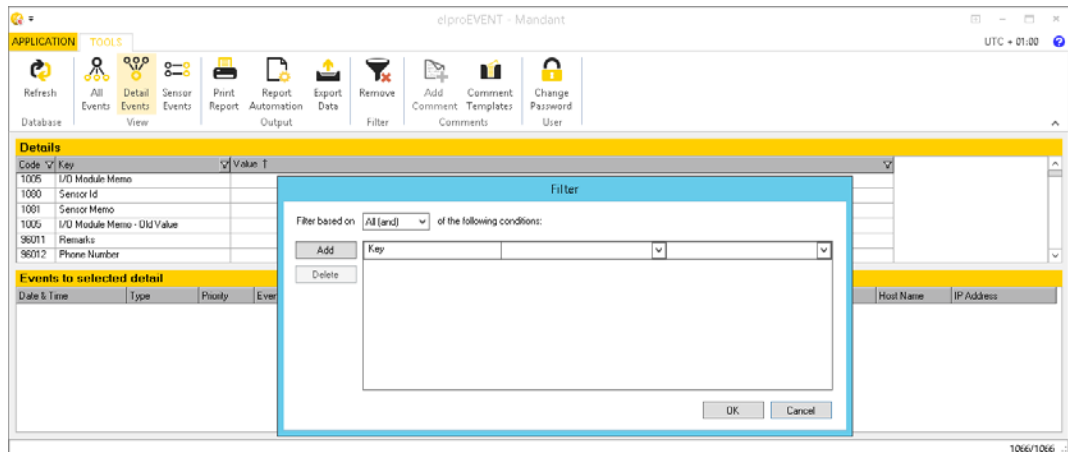
## 6.5 Example 1: Filters by "Sensor Name" and "Value"

In this example, the filter functions are based on 2 different column headers.

*Detail Events, not filtered*

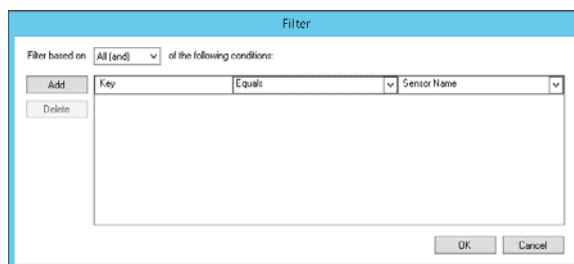


*Filter 1: Column header Key*



6

*Filter Condition*  
 - Contains  
 - Sensor name



Result: Sensor Name

The screenshot shows the 'elproEVENT - Mandant' application window. The 'Details' section contains a table with the following data:

Code	Key	Value
1074	Sensor Name	3D Drucker
1074	Sensor Name	Büro Nicolo
1074	Sensor Name	CSV-Testsensor
1074	Sensor Name	Ersuchen Humidity
1074	Sensor Name	Ersuchen Temperature
1074	Sensor Name	Freezer Temperature

The 'Events to selected detail' table below is currently empty.

Filter 2: Column header Value

The screenshot shows the same application window with a 'Filter' dialog box open. The dialog box contains the following configuration:

- Filter based on: All (and) of the following conditions:
- Field: Value
- Operator: Equals
- Value: (empty)

The 'Details' table and 'Events to selected detail' table are visible in the background.

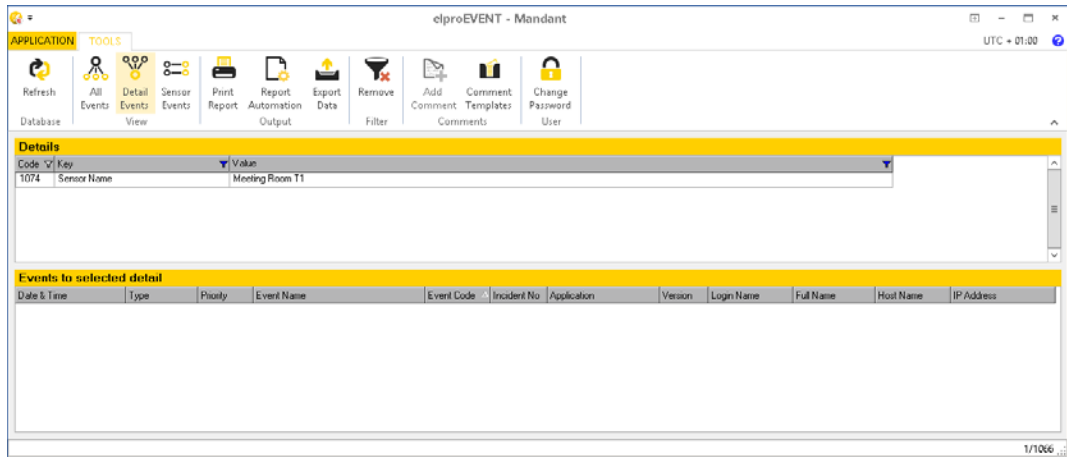
6

Filter Condition  
- Contains  
- Meeting Room T1

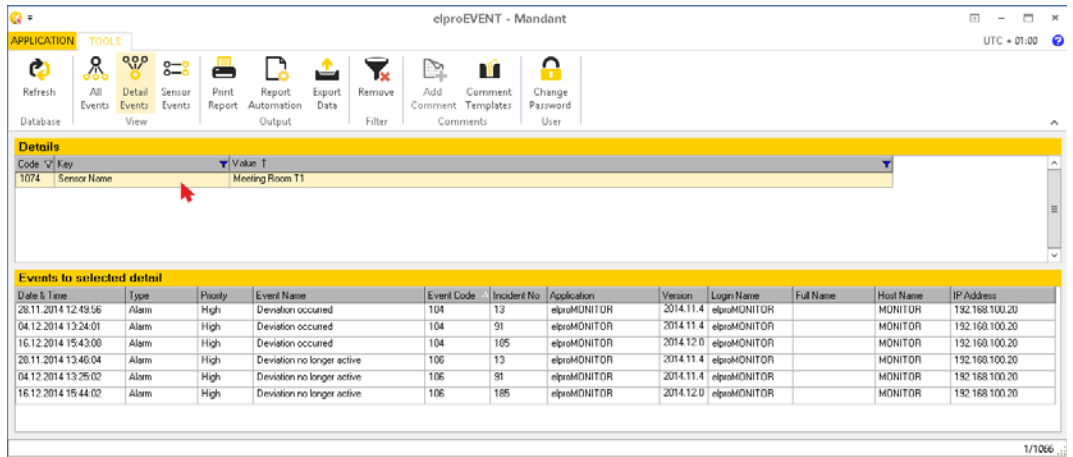
This is a close-up of the 'Filter' dialog box. The configuration is as follows:

- Filter based on: All (and) of the following conditions:
- Field: Value
- Operator: Equals
- Value: Meeting Room T1

Result: Meeting Room T1



Filter result selected



6

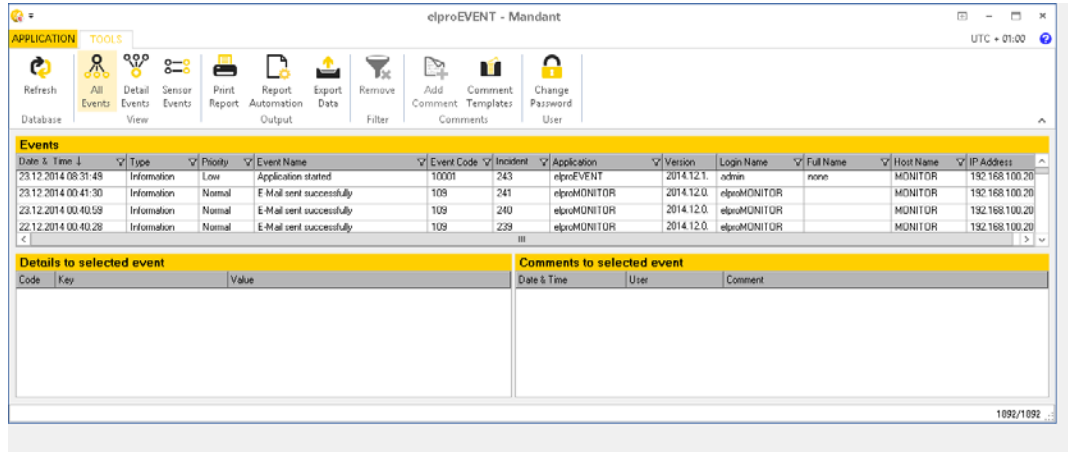
**Impact**

It was possible to reduce the number of database entries from 1066 to 1 by selecting specific filter criteria.

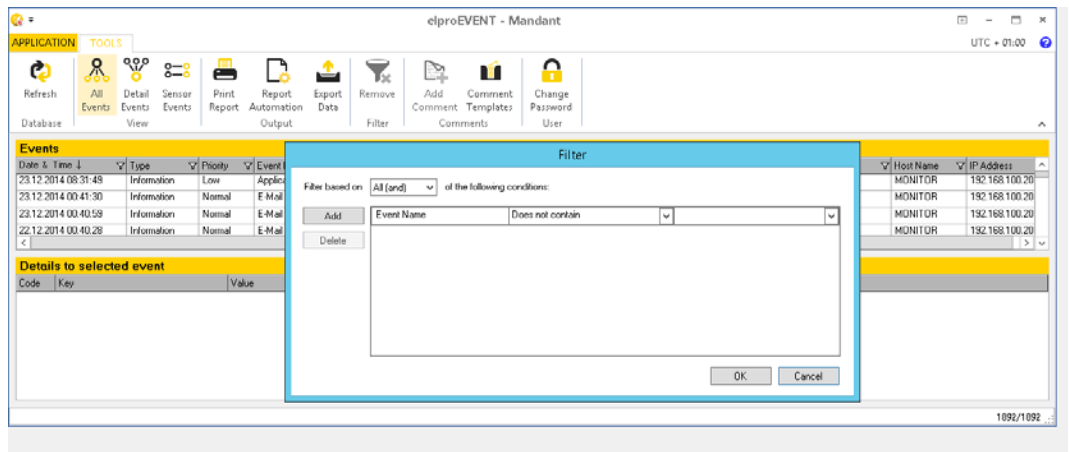
## 6.6 Example 2: Filter by Event Name

In this example, the filter functions are based on 2 different entries in the same column header.

*Detail Events, not filtered*

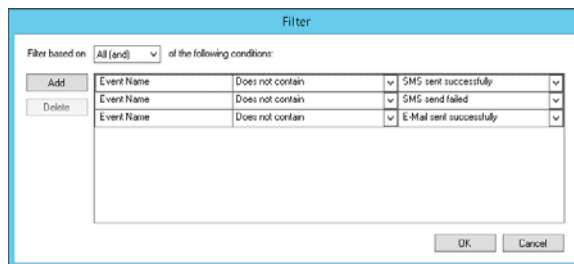


*Filters Column Header*



*Filter Condition*

- Connection of
- SMS sent successfully
- SMS send failed
- E-Mail sent successfully



Filter Result

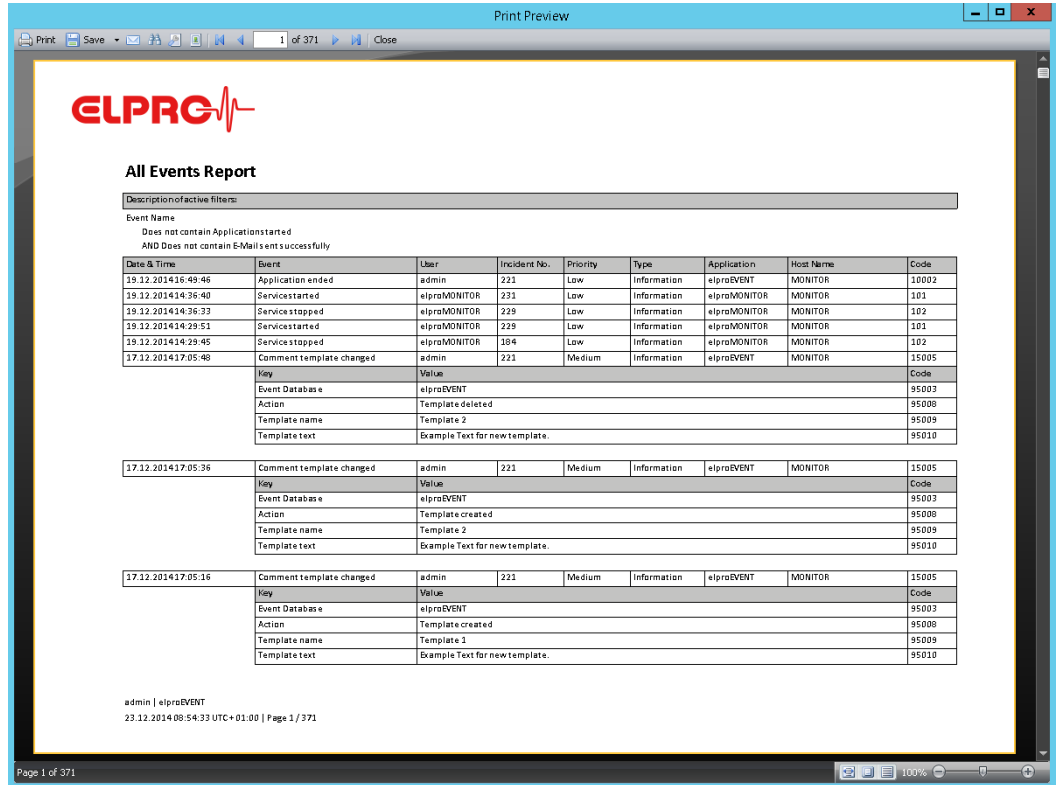
The screenshot shows the 'elproEVENT - Mandant' application window. The 'TOOLS' menu is open, highlighting 'All Events'. Below the menu is a table of filtered events. The table has columns for Date & Time, Type, Priority, Event Name, Event Code, Incident, Application, Version, Login Name, Full Name, Host Name, and IP Address. Below the table are two sections: 'Details to selected event' and 'Comments to selected event', both of which are currently empty.

Date & Time	Type	Priority	Event Name	Event Code	Incident	Application	Version	Login Name	Full Name	Host Name	IP Address
18.12.2014 14:36:40	Information	Low	Service started	101	231	elproMONITOR	2014.12.0.	elproMONITOR		MONITOR	192.168.100.20
18.12.2014 14:29:51	Information	Low	Service started	101	229	elproMONITOR	2014.12.0.	elproMONITOR		MONITOR	192.168.100.20
18.12.2014 15:43:49	Information	Low	Service started	101	184	elproMONITOR	2014.12.0.	elproMONITOR		MONITOR	192.168.100.20
04.12.2014 13:24:45	Information	Low	Service started	101	90	elproMONITOR	2014.11.4.	elproMONITOR		MONITOR	192.168.100.20









Impact

All actions based on SMS and e-mail actions are excluded for the subsequent evaluation. The number of relevant database entries was reduced from 1892 to 1089 events.

# 7 Print Report



Print Preview window

-  Starts the print job.
-  Lets you specify the page format for the print job.
-  → 7.2 Save Print Preview
-  Prints a water mark on all pages of the print job.
-  Generates e-mail print preview.
-  Jumps to the first/last page of the print preview.
-  Searches for a specific text in the print preview.
-  Scrolls one page up or down.

## 7.1

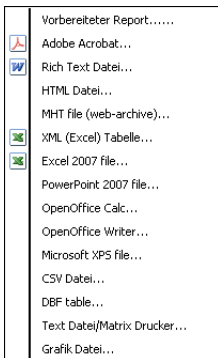
### Zoom



These icons can be used to adjust the print preview to the screen dimensions or to display a selected section.

## 7.2

### Save Print Preview



The print preview can be saved in various file formats.

The file name comprises the following information:

- Path Name Date
- The date is formatted as follows: YYYY-MM-DD (year-month-day).



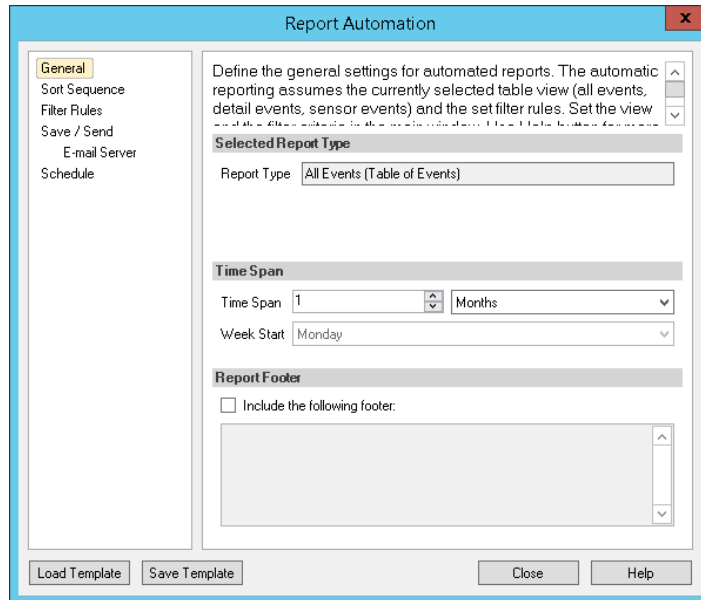
# 8 Report Automation

- Load Template
- Save Template

This function is used to create automatic reports that are regularly required from the elpro-EVENT database. Automation is carried out by means of a previously created template. This section contains a step-by-step description of automation and a sample template.

**THESE TEMPLATES ARE INDEPENDENT OF "COMMENT TEMPLATES".**

## 8.1 General



*General*

**Selected Report Type**

Identical to the selection in: Tools - View. Define the general settings for the automatic report. Automatic reporting takes the currently selected table view (All Events, Detail Events, or Sensor Events) and the applicable filter rules. Configure the view and the filter criteria in the main screen.

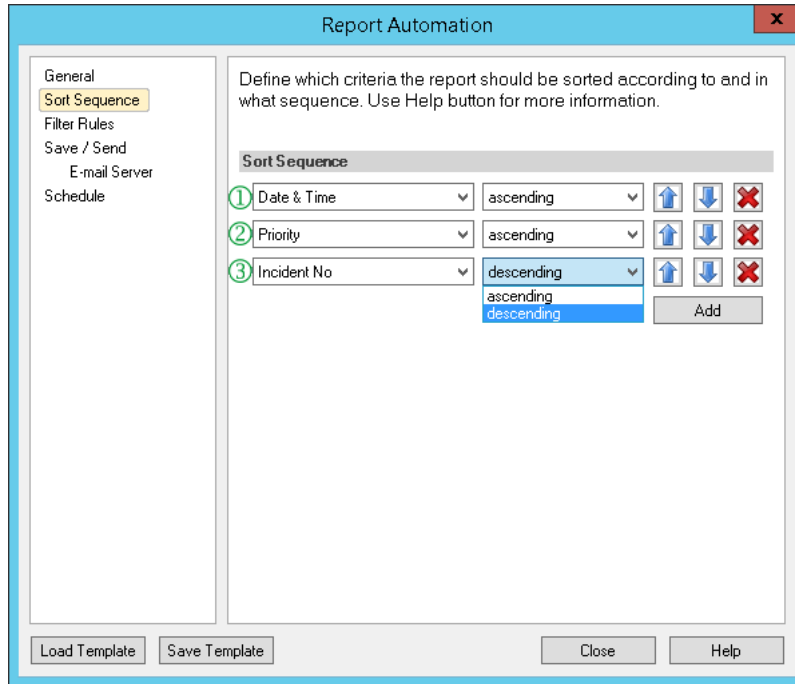
**Time Span**

Period of time over which past values are selected. 1 month: Time span of the last completed month and not 30 days.

**Report Footer**

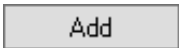
Information which is printed at the end of the report (last page).

## 8.2 Sort Sequence



Sort sequence with 3 sort criteria

Define the criteria and their sequence to sort events which are to be documented in the report. The data are sorted by hierarchy depending on the sort criteria:

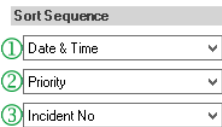


Adds another empty criterion to the existing list.

Sort criteria 1 to 3

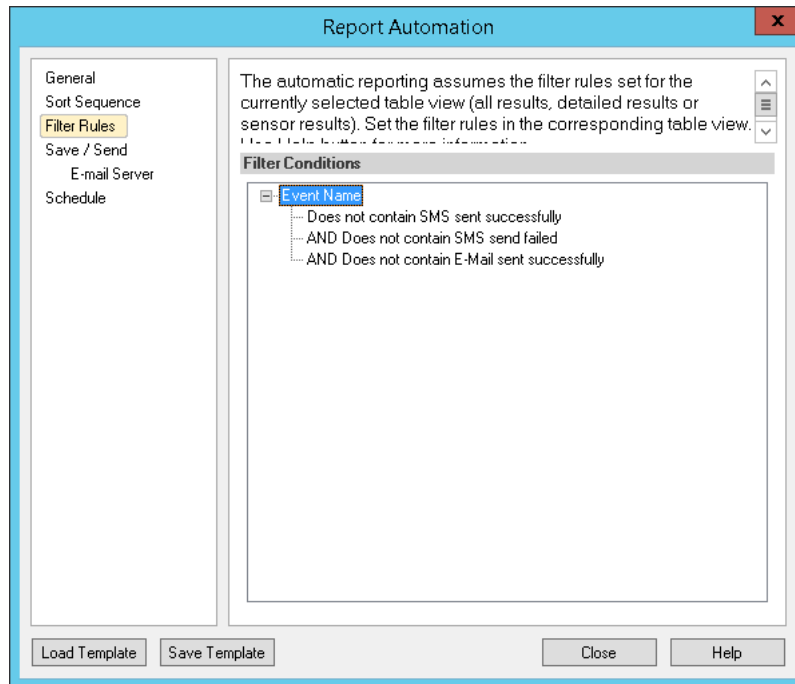
### 8.2.1

#### Procedure



- ✓ From the first list box, select the column name to be used as sort sequence, for example Priority.
- ✓ Define the sort sequence in the second list box.
  - ascending
  - descending
- ✓ Add and define further criteria.

## 8.3 Filter Rules

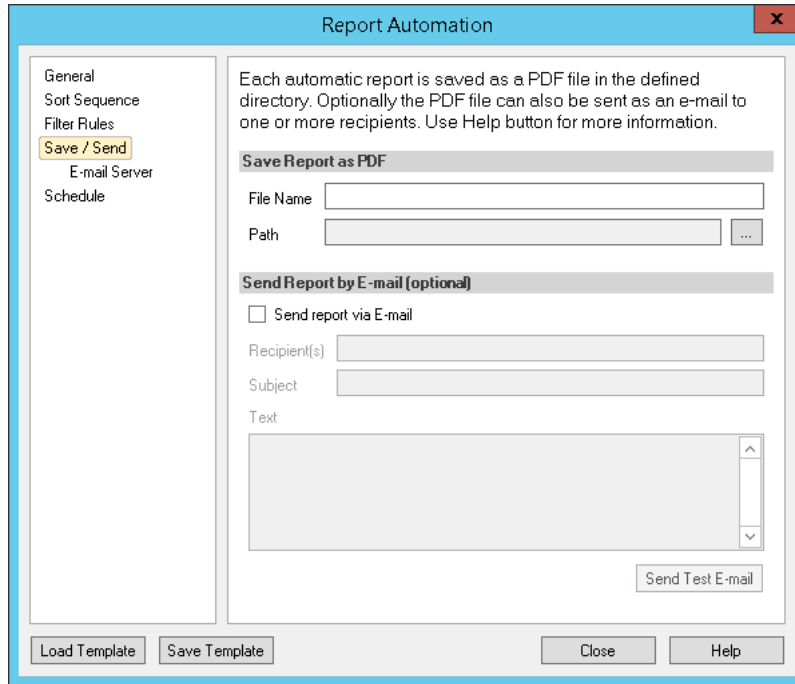


### *Filter rules*

The current filter settings defined in the main screen are taken for automation. The "Report Automation" function allows no definition of filters.

⇒ 6.4 Filters

## 8.4 Save / Send



### Save / Send

Each automatic report is saved in the defined folder as a PDF file. The pdf file can also be sent as an e-mail to one or more recipients.

#### Save Report as PDF

**File Name** The created report is saved as a pdf file under this name.

The file name comprises the following information:

- Name - Date
- The current data is attached to the specified file name in the format YYYY-MM-DD.
- Example: Monthly alarm report - 2014-04-22.pdf

**Path** Memory location for reports.

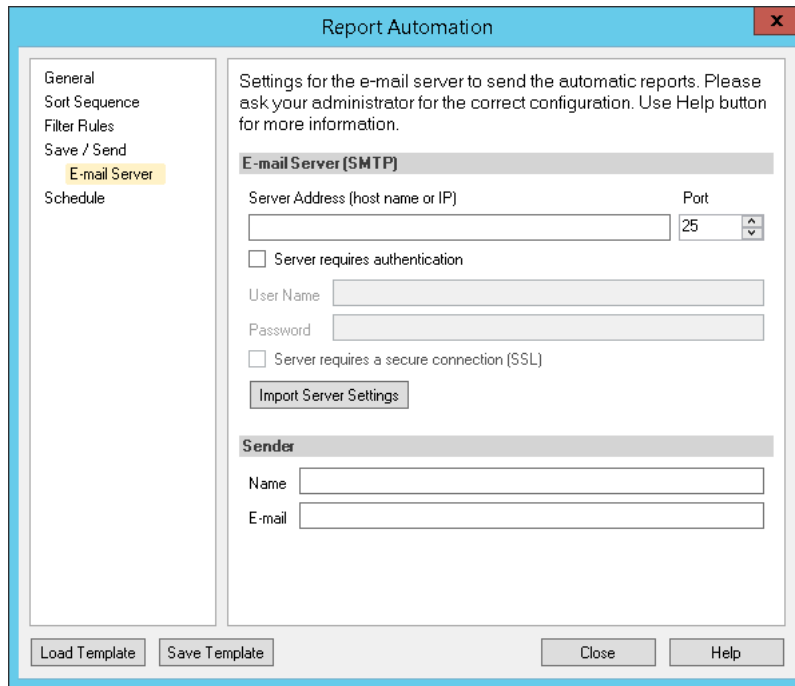
#### Send Report by E-mail (optional)

|

Recipient who receives the automatically created report as a pdf file attached to an e-mail.

When the checkbox is ticked, the function is activated.

## 8.5 E-mail Server



*E-mail Server - Settings*

**E-mail Server (SMTP)**

Settings for the e-mail server to send automatic reports. Please ask your administrator for the correct configuration.

|

When the checkbox is ticked, the function is activated.

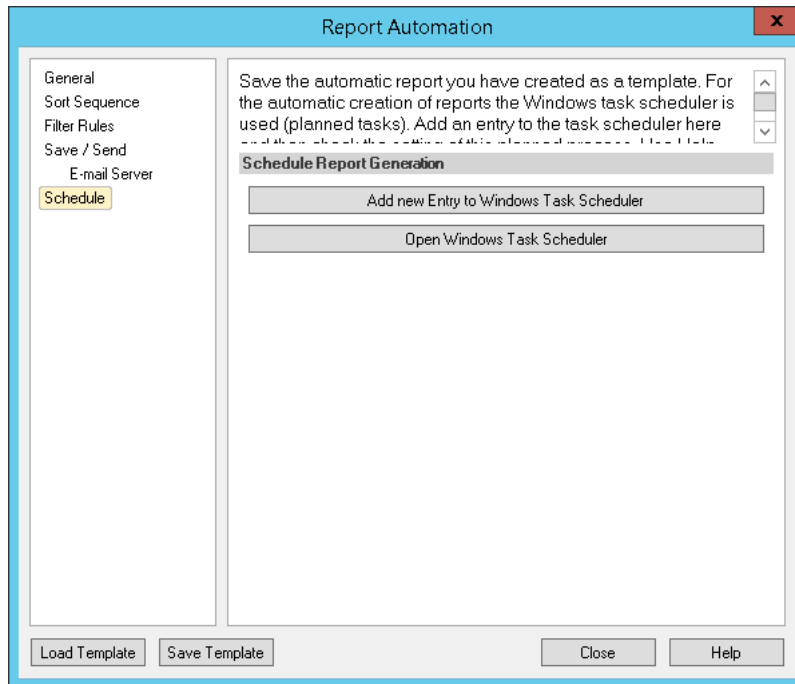
**Import Server Settings**

The server settings can be taken from a saved report configuration (.elproERC).

**Sender**

Information about the e-mail sender.

## 8.6 Schedule



### Schedule

8

Save your "Automatic Report" as a template.

Use the Windows Task Scheduler (planned tasks) to create reports automatically. Add an entry to the Task Scheduler and then check the settings of the planned task.

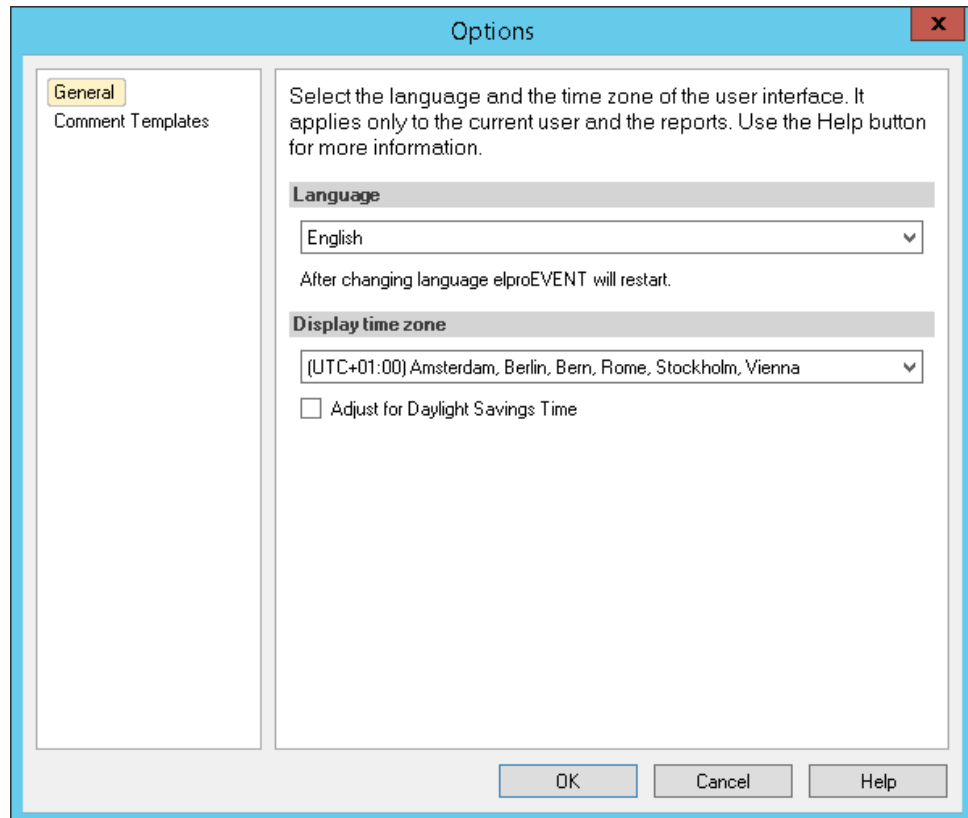


**DO NOT DEFINE A PLANNED PROCESS AT THE SAME TIME, OTHERWISE IT COULD RESULT IN ERRORS. START THE INDIVIDUAL REPORTS WITH A DELAY OF AT LEAST FIVE MINUTES BETWEEN EACH REPORT.**

# 9 Options

Use the "Options" menu to enter a number of different general program settings.

## 9.1 General



*Language and time zone*

### Language

At present the software is only available in German and English.

### Display time zone

Time zone employed by elproEVENT.

|

When this checkbox is ticked, the program switches between summertime and wintertime automatically.

### DST

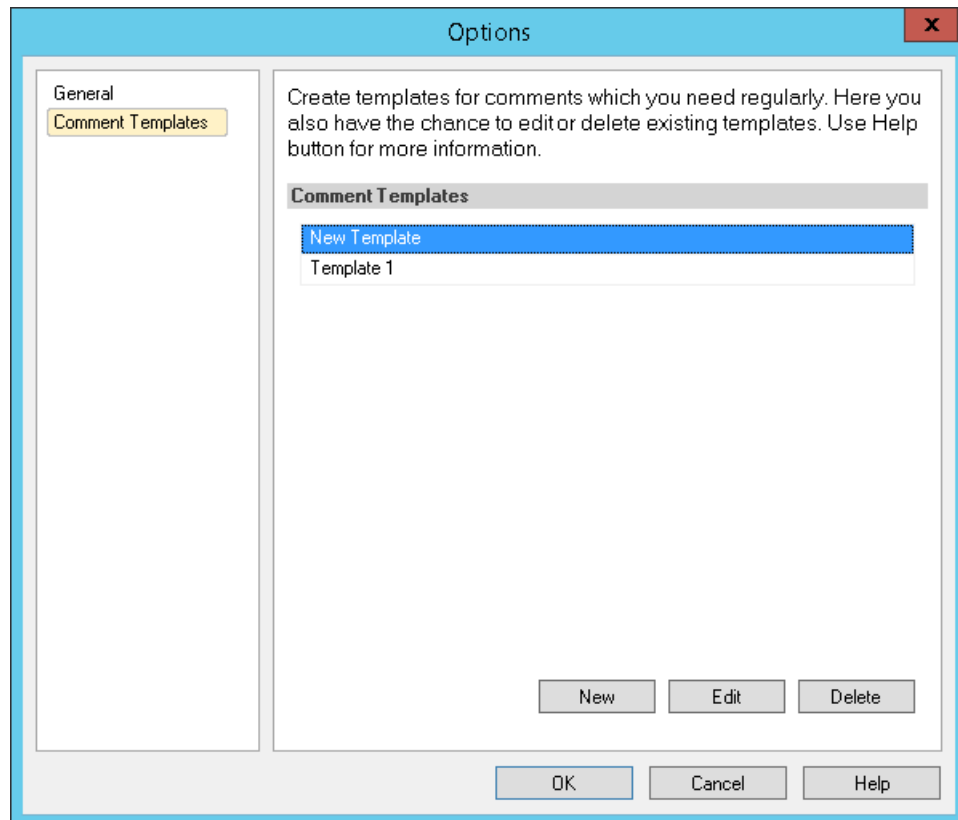
Daylight Saving Time

## 9.2 Comment Template

- New
- Edit
- Delete

The "Comment Templates" are created using the 2 windows below.

- "New" and "Edit" open the "Comment Templates" window:
- The templates are saved in the elproEVENT database.

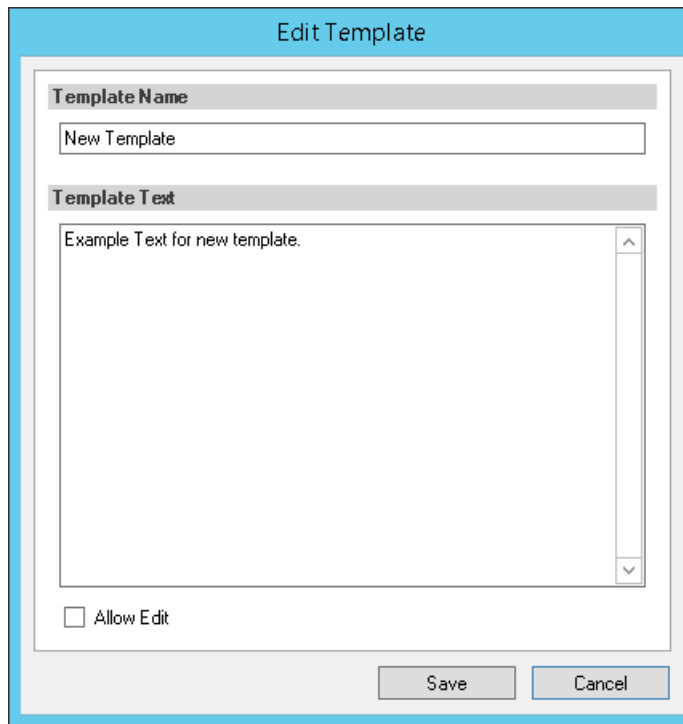


*List of existing "Comment Templates"*



**Edit Template**

Use the "Edit Template" window to create a new template or edit an existing "Comment Template".



*Edit - New template*



Allow Edit

Tick this checkbox to edit the template.

## Annex A: Database Entries

The settings below are read out by the database (Settings table):

Name	Defaults	Description
DateFormat	"dd.MMM.yyyy"	Date format
TenantName	" "	Name which can be displayed together with application names to distinguish an instance.
Use24HourFormat	True	24 or 12 hour time format
Language	en	The language setting is used for EVENT and Details entries.
UseIpV6	False	If true, IP V6 should be made for Event entries, if IP V6 is available. Otherwise, IP V4.

## Revision History

Author	Date	Version	Description
A. Gubler	24.12.2014	--	1st Edition

## Index

**A**  
All / Any 17  
Application 8

**C**  
Conditions 17

**D**  
Database 11

**E**  
ECOLOG-NET 5  
elproEVENT 5  
elproMONITOR 5  
elproUSER 5  
E-mail 23

**F**  
Filterbedingungen 17

**I**  
Installation 6

**O**  
Options 8

**P**  
Page format 23  
Print 23  
Product Range 5

**R**  
Regular expression 18

**S**  
Scroll 23  
Search 23  
Sort criteria 26  
Start reporting 10

**T**  
Tools 7

**W**  
Water mark 23





ELPRO-BUCHS AG  
Langäulistrasse 45  
CH-9470 Buchs SG  
Switzerland  
E-Mail: [swiss@elpro.com](mailto:swiss@elpro.com)



For local agencies see:  
[www.elpro.com](http://www.elpro.com)