

SOFREL PCWin2

SCADA Central Station



The SOFREL PCWin2 SCADA Central Station is the optimal solution for operating SOFREL networks. The functions and tools offered by the software have been developed with the constant aim of offering a simple and efficient solution to the needs of operators.

PCWin2 features a comprehensive range of functions, including:

- **Centralized alarm reporting via SMS/e-mail**
- **Automatic calculations (average flows, balances, formulas, etc.)**
- **Curve plotting, graphical mimic diagrams**
- **Operating reports in Excel format**
- **Viewing in a web browser**
- **Self-configuration based on the parameters of the devices**



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PCWin2: SCADA Central Station for SOFREL remote management networks

Communication with devices

- PCWin2 is compatible with SOFREL S500, LS/LT, Cellbox, Telbox, S50. The SOFREL PCCom communications box accepts PSTN, GSM, HF869 and DL-HF modem boards entirely designed and manufactured by LACROIX Sofrel. Which guarantees the robustness and durability of the solution.

GSM/GPRS
PSTN/Radio
ADSL
PL



Alarm management, web viewing

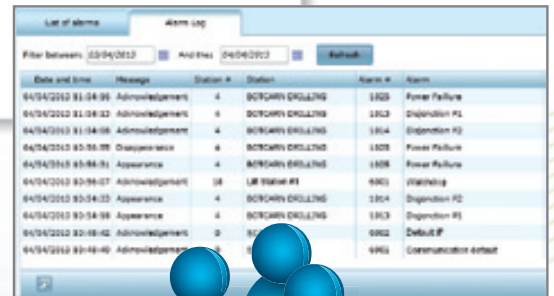
Alarm and stand-by duty management

● PCWin2 centralizes, records and reports alarms issued by devices or internal calculations. Alarm reporting is based on:

- Annual stand-by duty schedules
- Weekly schedules of sequences of calls to recipients
- Transmission of alarms in the form of SMS and/or e-mails
- Activation of a buzzer on the PC
- Recording of alarms, calls and acknowledgements



Date and time	Message	Status	Station	Alarm name	Alarm
04/04/2010 01:04:00	Admission	4	BOICWIN DRILLING	1000	Power Failure
04/04/2010 01:04:02	Admission	4	BOICWIN DRILLING	1002	Dependence #1
04/04/2010 01:04:04	Admission	4	BOICWIN DRILLING	1004	Dependence #2
04/04/2010 01:04:06	Appearance	4	BOICWIN DRILLING	1006	Power Failure
04/04/2010 01:04:07	Appearance	4	BOICWIN DRILLING	1008	Power Failure
04/04/2010 01:04:09	Admission	18	LR Station #1	0001	Warning
04/04/2010 01:04:11	Appearance	4	BOICWIN DRILLING	1004	Dependence #2
04/04/2010 01:04:13	Appearance	4	BOICWIN DRILLING	1003	Dependence #1
04/04/2010 01:04:15	Admission	0	1001	0002	Default IP
04/04/2010 01:04:17	Admission	0	1002	0003	Communication defect



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Remote access

Internet Explorer and an Ethernet link, ADSL or 3G connection suffice to operate its devices. Secure access is ensured by a user ID and password.

Operating stations

Users navigate via retractable banners and windows or graphical mimic diagrams. Only the elements assigned to the user's profile are displayed. The information available for viewing is chosen by the administrator when he creates the profiles.



Data retrieval

Operating reports

The information archived by PCWin2 is automatically transferred to Excel workbooks benefiting de facto from the functional power of the spreadsheet (macros, formatting, graphs, etc.) for the presentation of operating reports.

- Periodic report generation (days, weeks, months)
- Insertion of line and column totals
- Automatic distribution by e-mail
- Preview function when designing reports

In addition, export function in “csv” format of data selected online.

Category	Value	Average	Units
TOTAL	87.00	480.00	18.00
Value	87.00	0.00	18.00
Average	0.00	0.00	18.00
Units	0.00	0.00	18.00

Date	Pump 1 - start number (LPR)	Pump 1 - Operating (LPR)	Pump 2 - start number (LPR)	Pump 2 - Operating (LPR)
01/01/2012 00:00	01	0.00000000	01	0.00000000
02/01/2012 00:00	02	0.00000000	02	0.00000000
03/01/2012 00:00	03	0.00000000	03	0.00000000
04/01/2012 00:00	04	0.00000000	04	0.00000000
05/01/2012 00:00	05	0.00000000	05	0.00000000
06/01/2012 00:00	06	0.00000000	06	0.00000000
07/01/2012 00:00	07	0.00000000	07	0.00000000
08/01/2012 00:00	08	0.00000000	08	0.00000000
09/01/2012 00:00	09	0.00000000	09	0.00000000
10/01/2012 00:00	10	0.00000000	10	0.00000000
11/01/2012 00:00	11	0.00000000	11	0.00000000
12/01/2012 00:00	12	0.00000000	12	0.00000000
13/01/2012 00:00	13	0.00000000	13	0.00000000
14/01/2012 00:00	14	0.00000000	14	0.00000000
15/01/2012 00:00	15	0.00000000	15	0.00000000
16/01/2012 00:00	16	0.00000000	16	0.00000000
17/01/2012 00:00	17	0.00000000	17	0.00000000
18/01/2012 00:00	18	0.00000000	18	0.00000000
19/01/2012 00:00	19	0.00000000	19	0.00000000
20/01/2012 00:00	20	0.00000000	20	0.00000000
21/01/2012 00:00	21	0.00000000	21	0.00000000
22/01/2012 00:00	22	0.00000000	22	0.00000000
23/01/2012 00:00	23	0.00000000	23	0.00000000
24/01/2012 00:00	24	0.00000000	24	0.00000000
25/01/2012 00:00	25	0.00000000	25	0.00000000
26/01/2012 00:00	26	0.00000000	26	0.00000000
27/01/2012 00:00	27	0.00000000	27	0.00000000
28/01/2012 00:00	28	0.00000000	28	0.00000000
29/01/2012 00:00	29	0.00000000	29	0.00000000
30/01/2012 00:00	30	0.00000000	30	0.00000000
31/01/2012 00:00	31	0.00000000	31	0.00000000

Graphical animated mimic diagrams

Easy to use, graphical mimic diagrams enable users to comprehend the operation of an installation in a single view.

- This view is entirely user-definable with a vast library of industry symbols
- Animated component display options: flashing, rotation...
- Displays current numerical values, suffixes, bar graphs
- Data reports
- Control buttons: poll devices, display curves and reports...



Curve plotting

PCWin2 features a particularly powerful curve plotter. This interactive system offers:

- 1 to 6 curves displayed in a single view
- Zoom to adjust framing and amplitude (days, weeks, months)
- Time shifting to track information over different periods of time
- Export curve points to Excel and statistics



In addition, create trend curves or archives “on the fly” (free selection of data).

A easy-to-use and user-friendly graphical interface



Assisted system set-up

Based on a very intuitive graphical user interface, PCWin2 makes implementation of the central system and devices particularly quick and intuitive.

Communication module

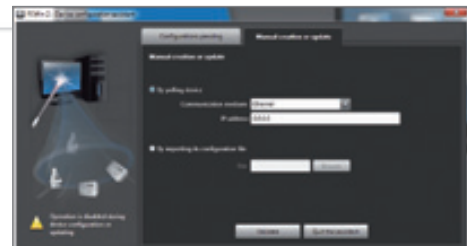
An assistant guides the user at first launch to start up the PCCom module.



Devices

Devices are configured automatically via several modes:

- Self-discovery of devices online
- Import Softools set-up files
- Notification of configurations transmitted by the devices



Users

User access is configured in 3 steps:

- A profile is created for each user
- Devices are assigned to each user profile
- Functional rights are assigned (alarm acknowledgement, modification of setpoints, etc.)



Stand-by duty

Report cycles are defined in particularly simple graphical screens:

- Annual schedule of exemptions
- Weekly schedules of call sequences



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