



# ***REMOTE VIEW PRO***

UPS & STS Remote Monitoring SW

**EN**

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## 2. PRESENTATION

### 2.1. REMOTE VIEW PRO IN BRIEF

- *REMOTE VIEW PRO* is a software programme for the remote monitoring of UPS and STS equipment, like a “Network Management Station” (NMS) dedicated to UPS and STS.
- *REMOTE VIEW PRO* is web based software allowing the monitoring of UPS and STS from every computer connected to the same network, LAN or WAN architecture, using a web browser.
- All UPS having Ethernet connection and SNMP protocol can be monitored with this software.
- *REMOTE VIEW PRO* includes SOCOMEC's NET VISION MIB files, and also standard RFC1628 UPS MIB file, compliant with almost any UPS manufacturer (APC / EATON / EMMERSON, etc.).

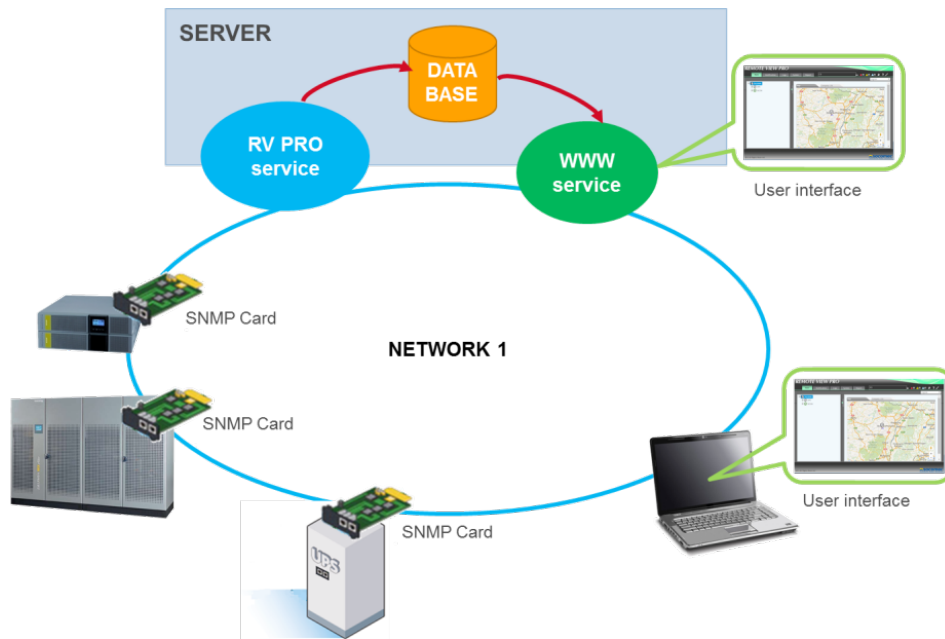
### 2.2. SOFTWARE FUNCTIONS

Functions	Description	Using NET VISION MIB file
UPS monitoring	Battery status Load status	
UPS parameter trends	Output load rate Output voltage Battery voltage Input voltage Input frequency Battery capacity UPS temperature	EMD Temperature EMD Humidity
STS monitoring	Source 1 and 2 status Load status	
STS parameters trends	Output load rate Output voltage Input source 1 and 2 voltage Input source 1 and 2 frequency	
TRAP notification	Via E-mail Via SMS (needs external GSM modem) Via popup windows Via buzzer	TRAP follows the well-KnownAlarm list described in the MIB file. It includes also TRAP coming for EMD if connected to NET VISION
Event log file	Filters can be applied by company / device / time window Export in CSV format	
History log file	Filters can be applied by company / device / time window Measurements table records and graphs Export in CSV format	
User Dashboard	It includes maps or pictures, where the UPS and STS are monitored. Defines the interface when user is logged on	
Event level management	UPS's and STS's icon changes colour depending on the level of event: Info / Warning / Critical	
Reporting	Critical / Warning / Info event counters	
UPS discovery	Displays the list of all UPS recognized on network	Function only available with NET VISION Card
WEB/SNMP Card remote configuration	The SNMP TRAP table is set with the IP address of RV PRO server	
Multi users access	Super-admin account User with admin role User with user role	
User login	Protected by verification code	

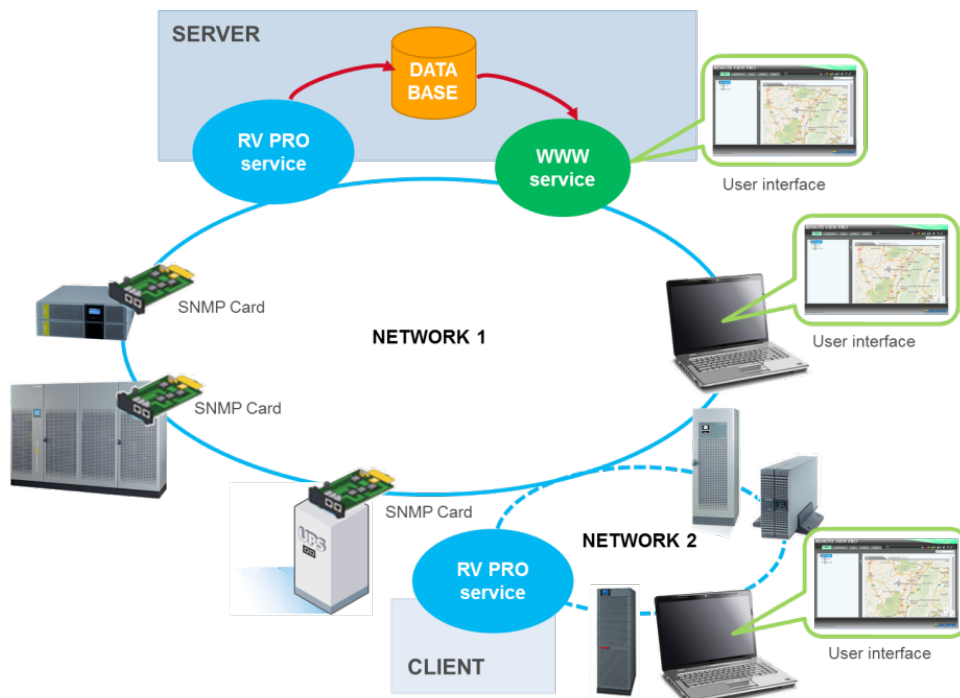
## 2.3. REMOTE VIEW PRO ARCHITECTURE

### 2.3.1. LAN architecture

All UPS are in a same network and same domain – Remote View Pro server installation



### 2.3.2. WAN architecture



Case of different LAN – Remote view Pro client has to be setup in addition of Remote View Pro Server

### 2.3.3. Definition

<b>SERVER</b>	It includes all services needed for UPS and STS monitoring
<b>RV PRO Server</b>	This service manages the SNMP communication with all UPS and STS connected to this service
<b>DATA BASE</b>	Manages all data, such as events log and measurements collected from all RV PRO services
<b>WWW service</b>	Web server used for user interface
<b>CLIENT</b>	Remote station connected to a different LAN
<b>RV PRO Client</b>	This service collects data from all UPS and STS connected to this local network, and push data to Remote View Pro Server

## 3. SOFTWARE COMPATIBILITY

### 3.1. WINDOWS® VERSIONS

APPLICATION	WINDOWS® VERSIONS	RAM / DISK	COMMENTS
SERVER INSTALLATION	7 / 10 2008 R2 2012 R2 2016 - 2019	16 / 64Gb	It is recommended to use Windows® Server version, as this programme should always be running in order to have a reliable and efficient UPS and STS monitoring system. Can also run on VM
CLIENT INSTALLATION	7 / 8 / 10 2008 R2 2012 R2 2016 - 2019	8 / 32Gb	

### 3.2. WEB BROWSER COMPATIBILITY

EDGE	starting v 91
Chrome	22 or above
Safari	9 or above
Firefox	15 or above

### 3.3. UPS COMPATIBILITY

UPS RANGE		ETHERNET CARD	MIB FILE
SOCOME	NETYS PR RT	NET-VISION	NET-VISION
	NETYS 1,1 – 3kVA	RT-VISION	RFC1628
	NETYS 5 – 11 kVA	Embedded Card	RFC1628
	ITYS all ranges	NET-VISION	NET-VISION
	MODULYS	NET-VISION	NET-VISION
	MODULYS GP 2.0	NET-VISION	NET-VISION
	MASTERYS all ranges	NET-VISION	NET-VISION
	DELPHYS all ranges	NET-VISION	NET-VISION
	Futures UPS ranges	NET-VISION	NET-VISION
	STATYS XS	STATYS XS WEB/ SNMP CARD	ATS MIB FILE
	STATYS range	Embedded RJ45	STS MIB FILE
Other UPS manufacturers		WEB/SNMP option Card	RFC1628



REMOTE VIEW PRO distinguishes between *NET VISION 5* and *NET VISION 6*.

### 3.4. SNMP INTERFACE

RV PRO SERVICE	v1	v2c	v3
NET VISION 7	Doesn't use SNMP protocol		
NET VISION 5 or 6	YES	-	YES
RT VISION	YES	-	YES
RT Embedded Card	YES	-	YES
Other uses RFC1628	YES	YES	YES
STATYS XS	YES	YES	YES
STATYS	YES	-	-



## 4. REQUIREMENTS

### 4.1. COMPUTER HARDWARE

- Physical or VM machine
- Minimum disk space: 64 GB
- Network connection
- SNMP ports open
- HTTP port: 80 by default
- Network bandwidth: depends on number of UPS to monitor, and data polling rate (getsnmp), set at 5s by default
- Internet connection (Google map and Baidu map access)

### 4.2. IIS – MS® INTERNET SERVICE

Before installing *REMOTE VIEW PRO*, you need to install Internet Service (IIS) native on Windows®. *REMOTE VIEW PRO* will be installed in C:\inetpub\wwwroot folder.



### 4.3. ADMIN ACCOUNT RIGHTS

To install *REMOTE VIEW PRO*, you need to have administrator rights account.

### 4.4. SERVICES

#### 4.4.1. RV Pro Service

This service is installed during *REMOTE VIEW PRO* setup. This service starts automatically at the end of the installation.

RV PRO service status	Systray icon
Running	
Disconnected	
Service stopped	Icon not present

#### 4.4.2. MySql service (MySqlCloudEx0)

This service manages the data base. MySql is bundled with *REMOTE VIEW PRO* installation package. This service starts automatically at the end of the installation.

#### 4.4.3. WWW service

This service starts automatically after IIS installation. This service has to be running before installing *REMOTE VIEW PRO*.

### 4.5. .NET PACKAGE

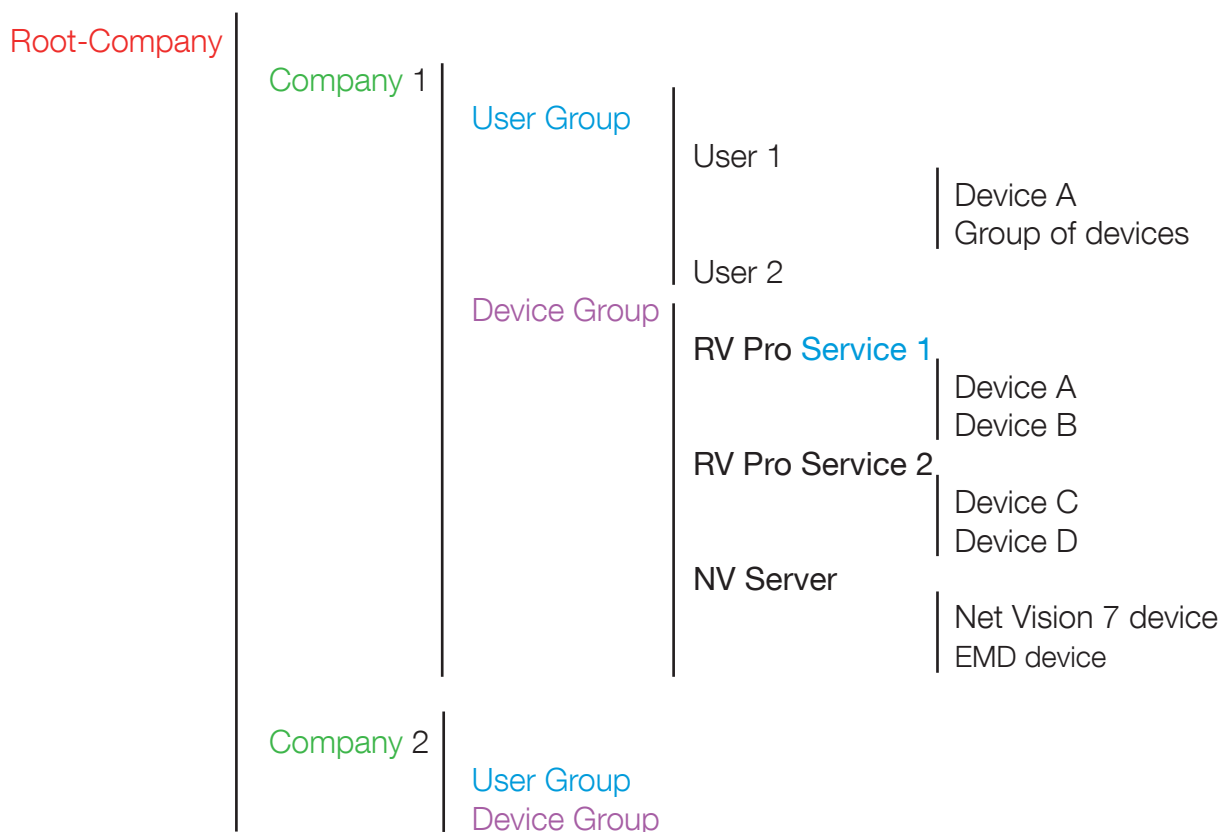
ASP.NET 4.5

.NET 3.5 package


## 5. SOFTWARE ARCHITECTURE

*REMOTE VIEW PRO* manages hierarchic structure. The structure begins from “**root-company**”. From this point it is possible to create several companies, such as different networks, different locations, different sites etc., according to the real architecture to monitor.  
For each “**company**” node, a list of **users** and a list of **devices** are created.

### 5.1. ARCHITECTURE OVERVIEW



**Root-Company:**  entry level point for super-admin account

**Company:**  defines a geographical site, factory or room

**User Group:**  defines a list of users able to monitor UPS and STS




**Device Group:**  defines list of UPS and STS connected to RV Pro Service Server and Client.

### 5.2. RULES

- Users are linked to company
- Users cannot see devices from other companies

### 5.3. USER

- Each user has its own account
- The dashboard (user interface) defined at user level includes:
  - Maps, drawings or photos
  - All UPS and STS managed by the user over the maps or picture.
  - The User can define a second level, adding a new view of devices

Function	Super-user / Admin	User with admin role	User with user role
User account type			
Company creation	YES	NO	NO
Add new user	YES in all companies	YES for their company	NO
Adding device group	YES	YES for their company	NO
Adding / removing device	YES	YES for their company	NO
Modifying maps / pictures	YES	YES for their Group	NO
Browsing device	YES	YES	NO
Editing Report	For all devices	For all devices for their company	NO
E-mail setting notification	YES	NO	NO
System configuration	YES	NO	NO

### 5.4. DEVICE MANAGEMENT

- Device group includes all *RV Pro Service* (Server or Client).
- For each *RV Pro Service*, you need to add UPS managed by this service

### 5.5. USER INTERFACE

- A graphical interface is defined for each user.
- The background picture or map is set at user level.
- All devices managed by this user can be added over the picture or map

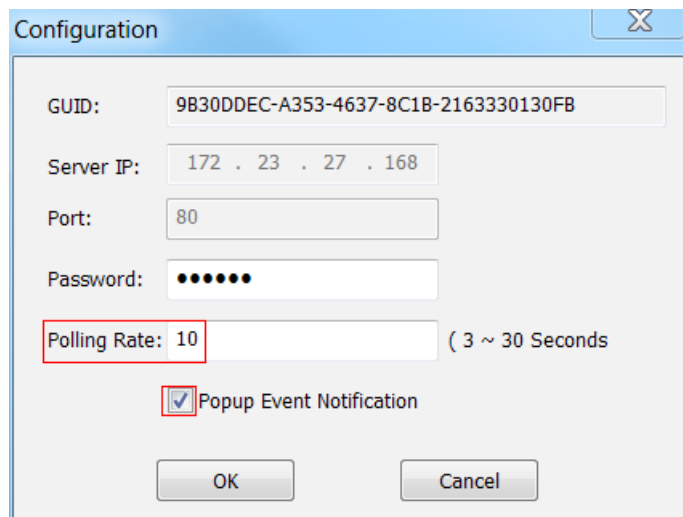
### 5.6. RV PRO SERVICE (SERVER OR CLIENT)

#### 5.6.1. Functions:

- collects data from UPS through SNMP
- displays the popup window when a new TRAP is received

#### 5.6.2. Configuration

- enable / disable popup windows
- polling rate

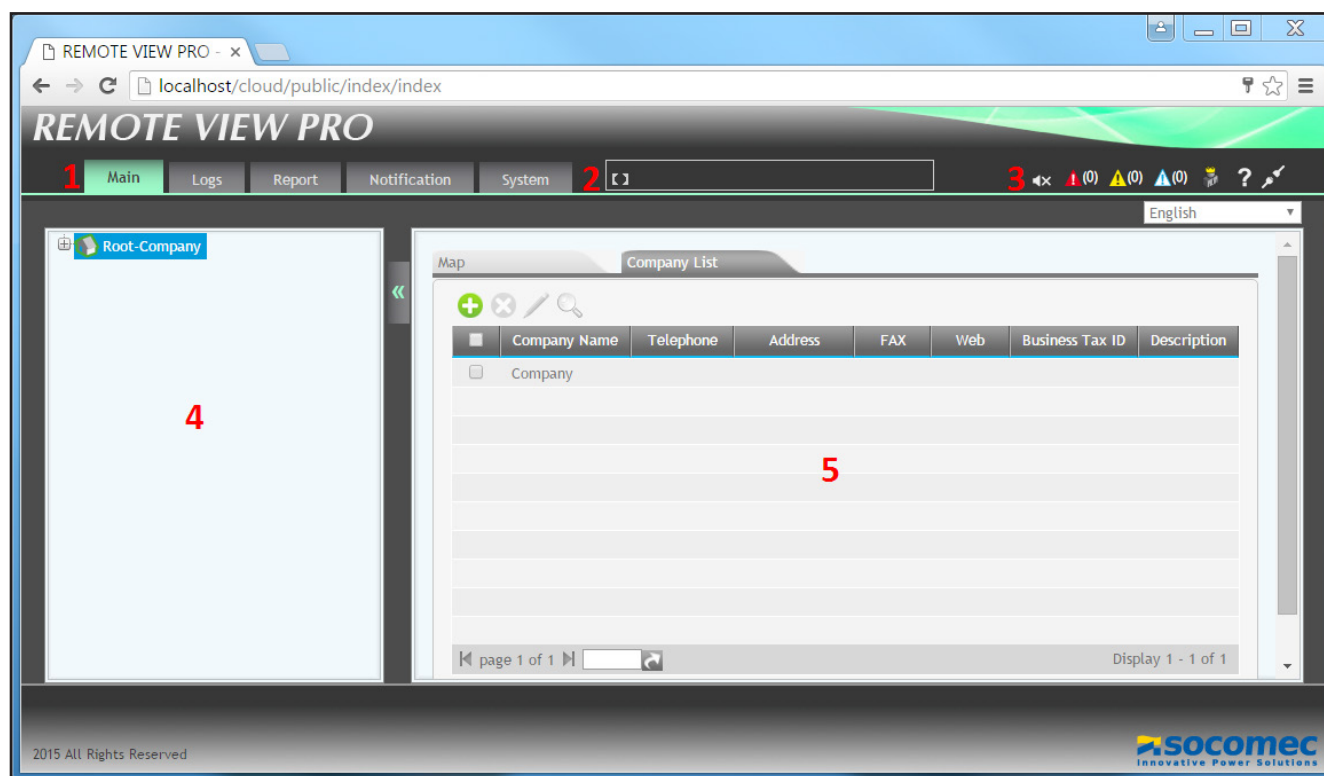












The image shows a 'Configuration' dialog box with the following fields and options:

- GUID:** 9B30DDEC-A353-4637-8C1B-2163330130FB
- Server IP:** 172 . 23 . 27 . 168
- Port:** 80
- Password:** (masked with dots)
- Polling Rate:** 10 (with a note '( 3 ~ 30 Seconds' to the right)
- ☒ **Popup Event Notification**
- Buttons:** OK and Cancel

## 6. WEB INTERFACE

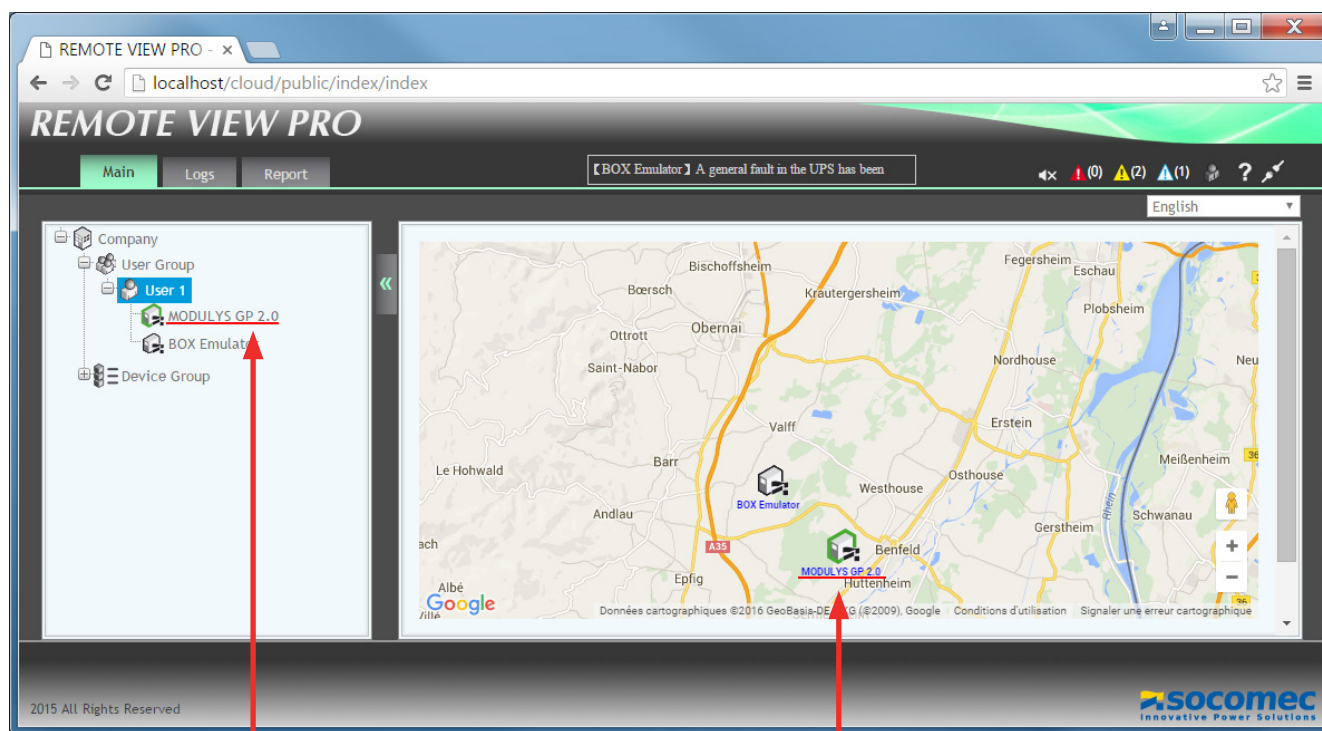
### 6.1. HOMEPAGE



1	MENU	Main	Access to tree architecture and user interface area	
		Logs	Calendar	Day per day
			History Log	Measurements
			Device event Log	TRAP log
			System event Log	
		Report		Event statistics
		Notification	E-mail / SMPT settings	Super-admin only
			SMS / Modem settings	
System	RV PRO configuration	Super-admin only		
2	Last events rotator	Display last events triggered		
3	Shortcut icons	Events accumulation icons   	Counter of Critical / Warning / Info triggered during the session	Shortcut to event log
		User login   	Change password	
		Help 	About 	Register  License request
		Logout 	Close the session	
4	Tree architecture area	List of companies, users and devices		
5	User interface area	Dashboard / configuration page / history logs		

## 7. REMOTE VIEW PRO OPERATION

### 7.1. UPS STATUS WINDOW – MAIN MENU





Selection of the device in the tree, or

double click of the UPS icon in the dashboard

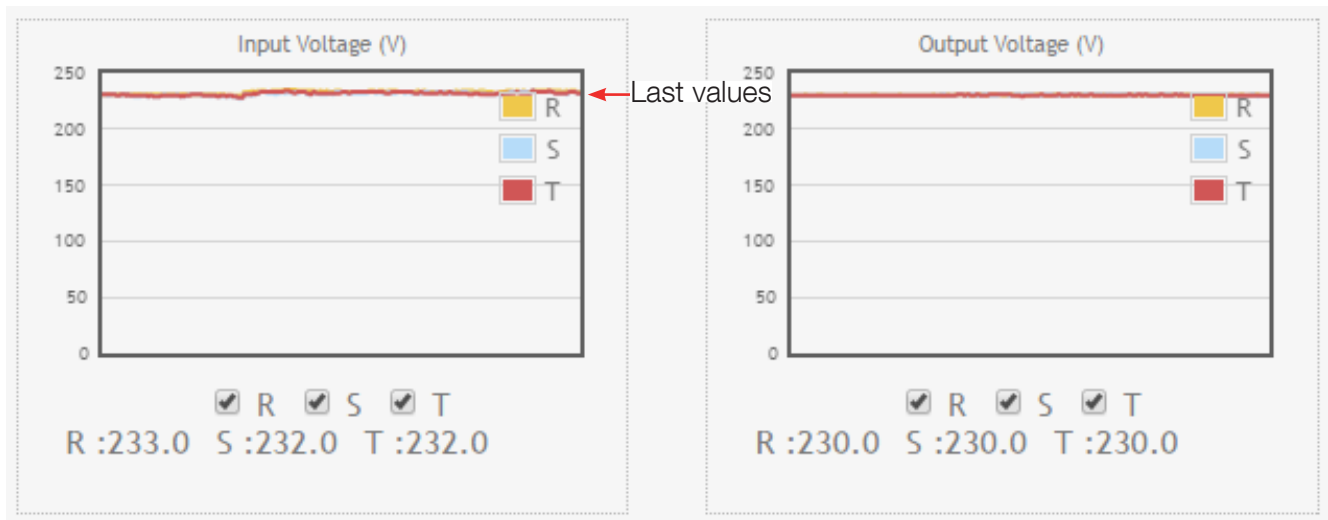
#### 7.1.1. UPS Status

LOAD STATUS		BATTERY STATUS	
NET VISION	RFC1628	NET VISION	RFC1628
Unknown	Other	Unknown	Unknown
onInverter	None	batteryNormal	batteryNormal
onMains	Normal	batteryLow	batteryLow
ecoMode	Bypass	batteryDepleted	batteryDepleted
onBypass	Battery	batteryDischarging	
Standby	Booster	batteryFailure	
onMaintenanceBypass	reducer	batteryDisconnected	
upsOff			
normalMode			

#### 7.1.2. UPS Status Shortcuts

-  Device Event Log
-  History log: measurements log
-  Browse device: open web interface in separate window

### 7.1.3. UPS Parameters

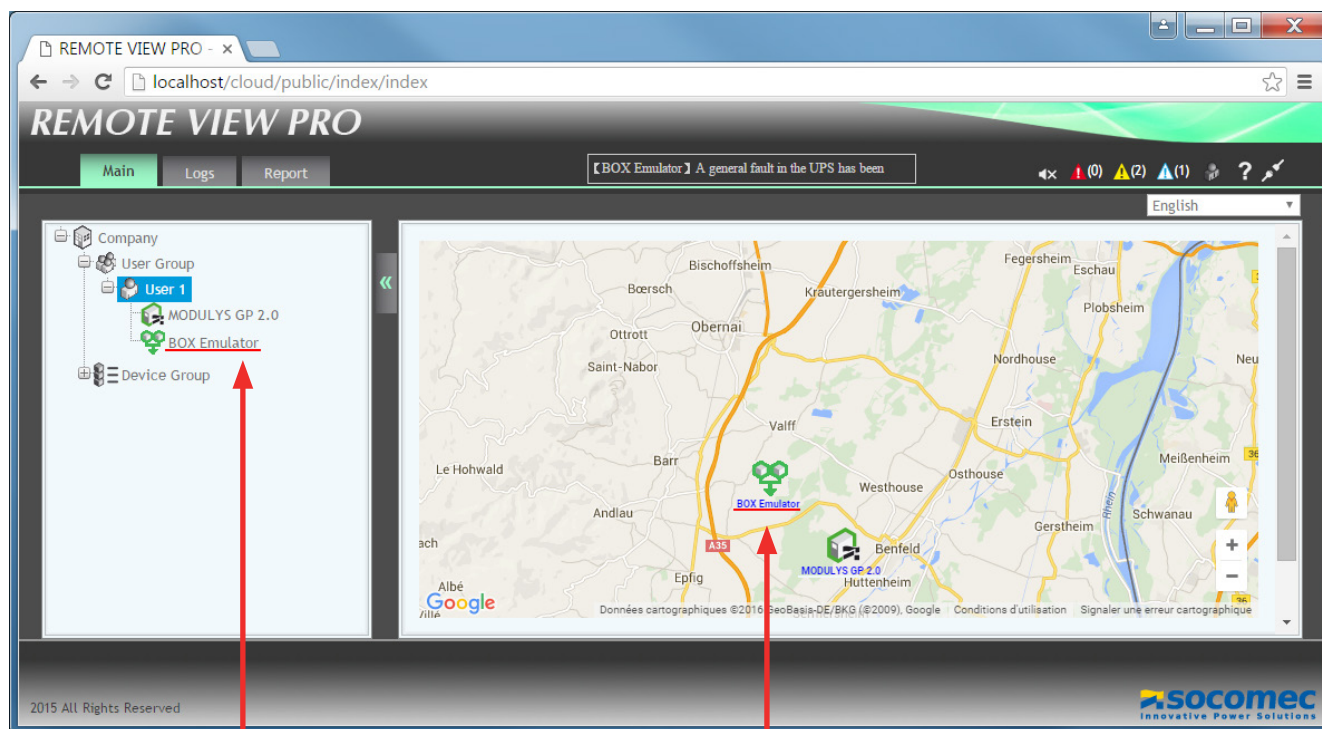


The updating rate is fixed according the polling rate set in the RV Pro server.

List of measurements:

- Input voltage
- Output voltage
- Input frequency
- Output load
- Output load by phase for Net Vision 7
- Battery capacity
- Battery voltage
- UPS temperature
- EMD temperature (only with NET VISION)
- EMD humidity (only with NET VISION)

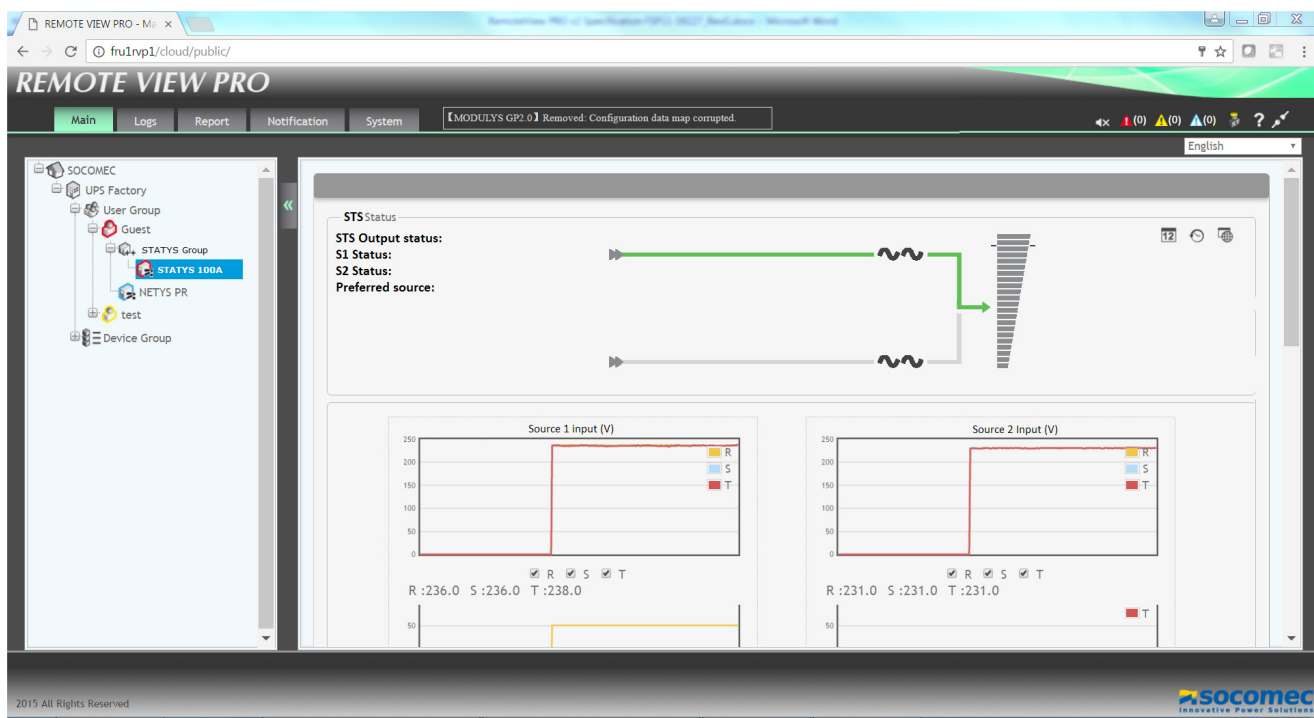
## 7.2. STS STATUS WINDOW – MAIN MENU



Selection of the device in the tree, or

double click of the UPS icon in the dashboard

### 7.2.1. STS Status Page



### 7.2.2. STS Status Data

#### STS Output Status

- Unknown
- On preferred Source
- On alternate Source
- Output Off
- On maintenance BP1
- On maintenance BP2

#### STS Source 1 and 2 Status

- Unknown
- OK
- Critical
- Out of tolerances
- Absent

#### STS Source 1 Preferred

- No
- Yes

#### List of measurements:

- Input Source 1 and 2 voltage
- Output voltage
- Input Source 1 and 2 frequency
- Output load

The updating rate is link to polling rate set on Remote View pro service or specify for Net Vision 7 in Remote View Pro.

### 7.2.3. STS Status Shortcuts



Device Event Log



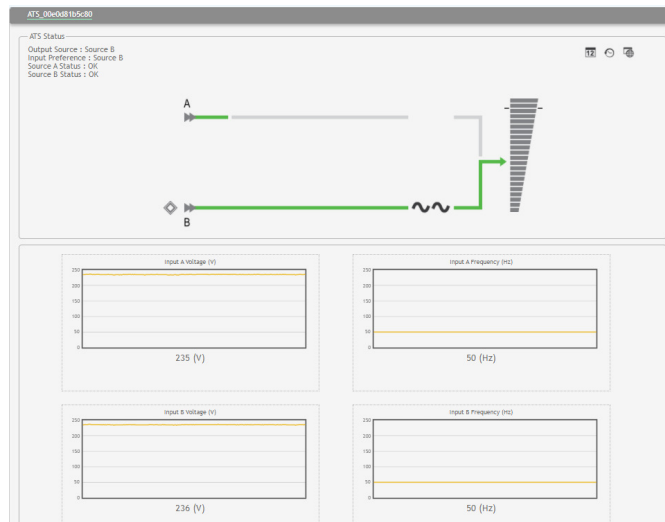
History log: measurements log



Browse device: open web interface in separate window



## 7.3. STATYS XS - STATUS PAGE



### 7.3.1. STS Status Data

#### ATS - STATYS XS Output Status

- On Source A
- On Source B
- Output Off
- On Bypass A (\*)
- On Bypass B (\*)

Input Preference: ATS Select / Source A / Source B (Symbol )

Remark in case of Input Preference A or B:

If the switch back delay is shorter as the RV Pro polling rate, the sources changing will not appears on the synoptic.

#### STS Source 1 and 2 Status

- OK
- Fail

List of measurements:

- Input Source A and B voltage
- Output voltage
- Input Source A and B frequency
- Output load rate / Current
- internal temperature

The updating rate is link to polling rate set on Remote View pro service.

(\*) only for STATYS XS E 32A serie

### 7.3.2. ATS - STATYS XS Shortcut



Device Event Log



History log: measurements log



Browse device: open web interface in separate window

7.4. DEVICE EVENT LOG

**12** This shortcut opens the Device Event Log page, with the selected device in the filter field.

Device Event Log

From: 2016/02/12 12

To: 2016/02/12 12

Company: Company

Severity: All

Ack: All

Device: BOX Emulator

Search:

Apply

Prev Page

Next Page

Device Event Logs

Acknowledge	Date	Time	Company	Device	Severity	Event Description
<input type="checkbox"/>	2016/02/12	11:07:53	Company	<a href="#">BOX Emulator</a>	information	Load supplied by bypass
<input type="checkbox"/>	2016/02/12	11:07:32	Company	<a href="#">BOX Emulator</a>	warning	A general fault in the UPS has been detected.
<input type="checkbox"/>	2016/02/12	11:07:31	Company	<a href="#">BOX Emulator</a>	warning	UPS temperature is out of tolerance.
<input checked="" type="checkbox"/>	2016/02/12	10:45:01	Company	<a href="#">BOX Emulator</a>	information	Removed: A problem has been encountered in the communications between the
<input checked="" type="checkbox"/>	2016/02/12	10:44:53	Company	<a href="#">BOX Emulator</a>	information	A problem has been encountered in the communications between the agent and
<input checked="" type="checkbox"/>	2016/02/12	10:14:20	Company	<a href="#">BOX Emulator</a>	information	Removed: The remaining battery run-time is less than or equal to battery low th
	2016/02/12	09:32:21	Company	<a href="#">BOX Emulator</a>	connect	The device is connected
	2016/02/12	09:32:20	Company	<a href="#">BOX Emulator</a>	connect	The device config-ok

This page allows acknowledgement of new incoming events.

The Device name hypertext opens the device web page

7.4.1. UPS and STS History Log

 This shortcut opens the Device History Log page, with the selected device in the filter field.

History Log

Company: Company

Device: MODULYS GP 2.0

End Date: 2016/02/12 12

End Time: 11:33

Time unit: Raw data

Time window: 20 min

Apply

Prev

Next

Time window has to be chosen before displaying values table.

Time Unit	Raw data	Record sample defined by polling rate in RV Pro Service. (5 to 30s)
	Minute	Select record sample
	Hour	
	Day	
	Month	
Time window	Year	For raw data: 20 / 40 / 60 / 120 minutes
	Value calculated according to Time Unit	

Example:

- Time Unit = Minute
- Time window = 1 hour

Table presentation: 6 pages of 10 records.

History Log

Company:  Device:

End Date:  End Time:

Time unit:  Time window:

**Numerical Data** **Graphic Data**

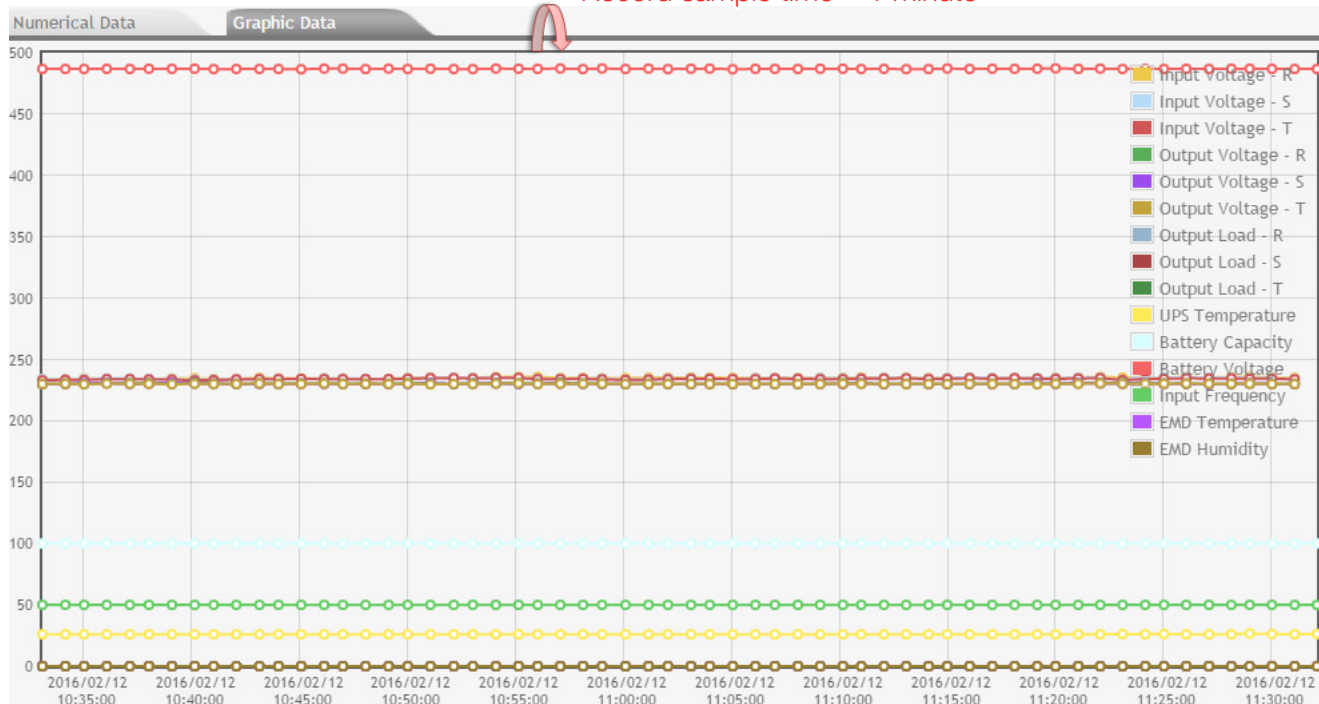
Date	Time	Device	IP	Input Voltage (volt)	Output Voltage (volt)	Output Load (%)	UPS Temperature (°C)	Battery Capacity (%)	Bat
2016/02/12	11:32:07	MODULYS GP 2.0	172.23.14.31	235.0,235.3,234.5	230.0,230.0,230.0	0.0,0.0,0.0	26.3	100	486
2016/02/12	11:31:05	MODULYS GP 2.0	172.23.14.31	235.0,234.0,233.8	230.0,230.0,230.0	0.0,0.0,0.0	26.0	100	486
2016/02/12	11:30:02	MODULYS GP 2.0	172.23.14.31	235.2,234.8,234.5	230.0,230.2,230.0	0.0,0.0,0.0	26.2	100	486
2016/02/12	11:29:00	MODULYS GP 2.0	172.23.14.31	236.0,235.0,234.3	230.3,230.5,230.3	0.0,0.0,0.0	26.7	100	487
2016/02/12	11:27:07	MODULYS GP 2.0	172.23.14.31	235.8,235.2,234.6	230.0,230.2,230.2	0.0,0.0,0.0	26.0	100	487
2016/02/12	11:26:04	MODULYS GP 2.0	172.23.14.31	235.7,235.3,234.7	230.2,230.3,230.3	0.0,0.0,0.0	26.0	100	486
2016/02/12	11:25:02	MODULYS GP 2.0	172.23.14.31	235.2,235.2,234.3	230.5,230.2,230.2	0.0,0.0,0.0	26.2	100	486
2016/02/12	11:24:10	MODULYS GP 2.0	172.23.14.31	235.6,235.0,234.0	230.6,230.6,230.2	0.0,0.0,0.0	26.0	100	487
2016/02/12	11:23:07	MODULYS GP 2.0	172.23.14.31	235.2,233.2,233.2	230.7,230.2,230.2	0.0,0.0,0.0	26.2	100	486

page 1 of 6

Record sample time = 1 minute

Graphic presentation

Record sample time = 1 minute



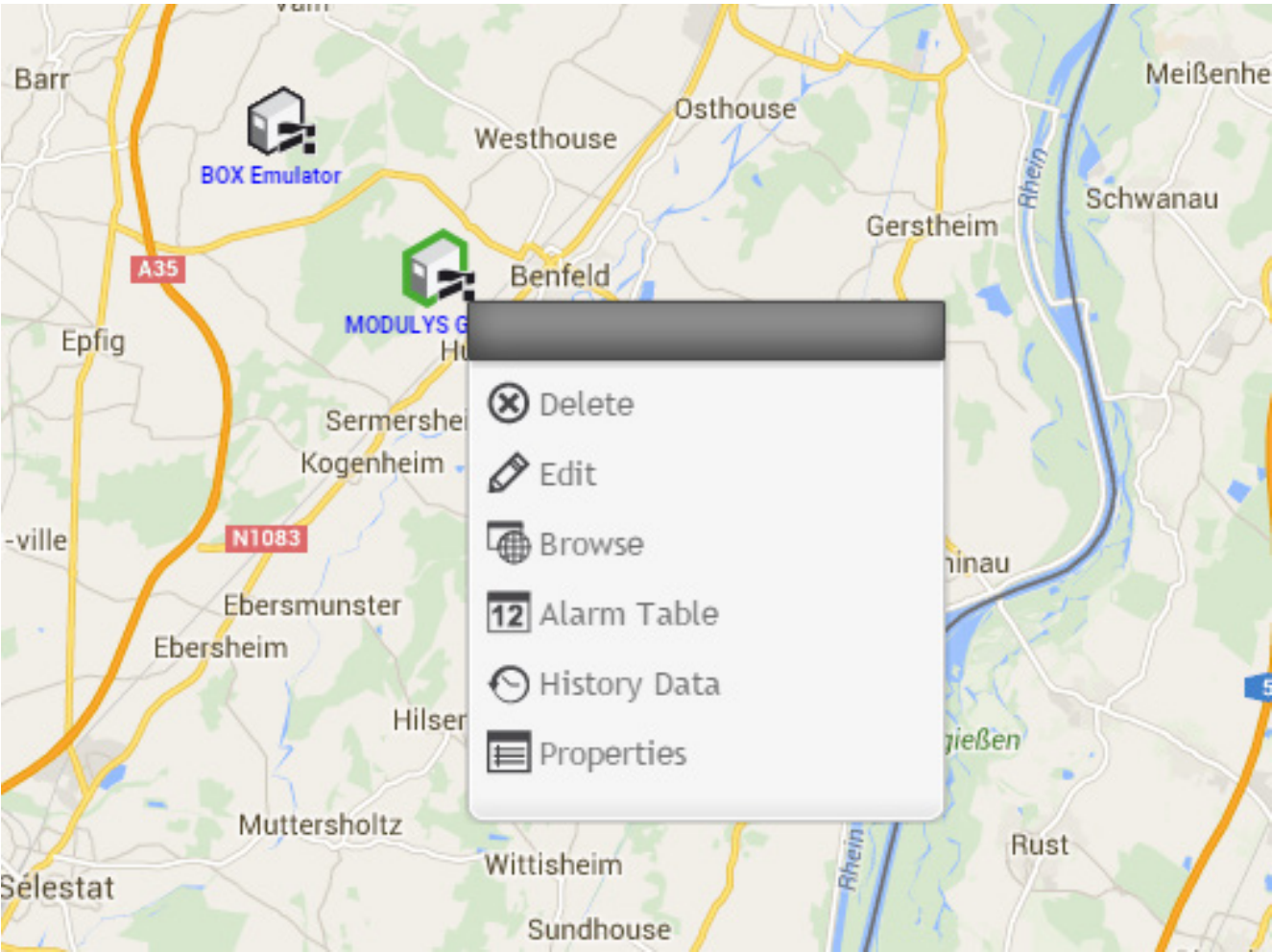
Each point gives the values of the measurement.



for exporting in a CSV format file.

7.5. DEVICE CONTEXTUAL MENU

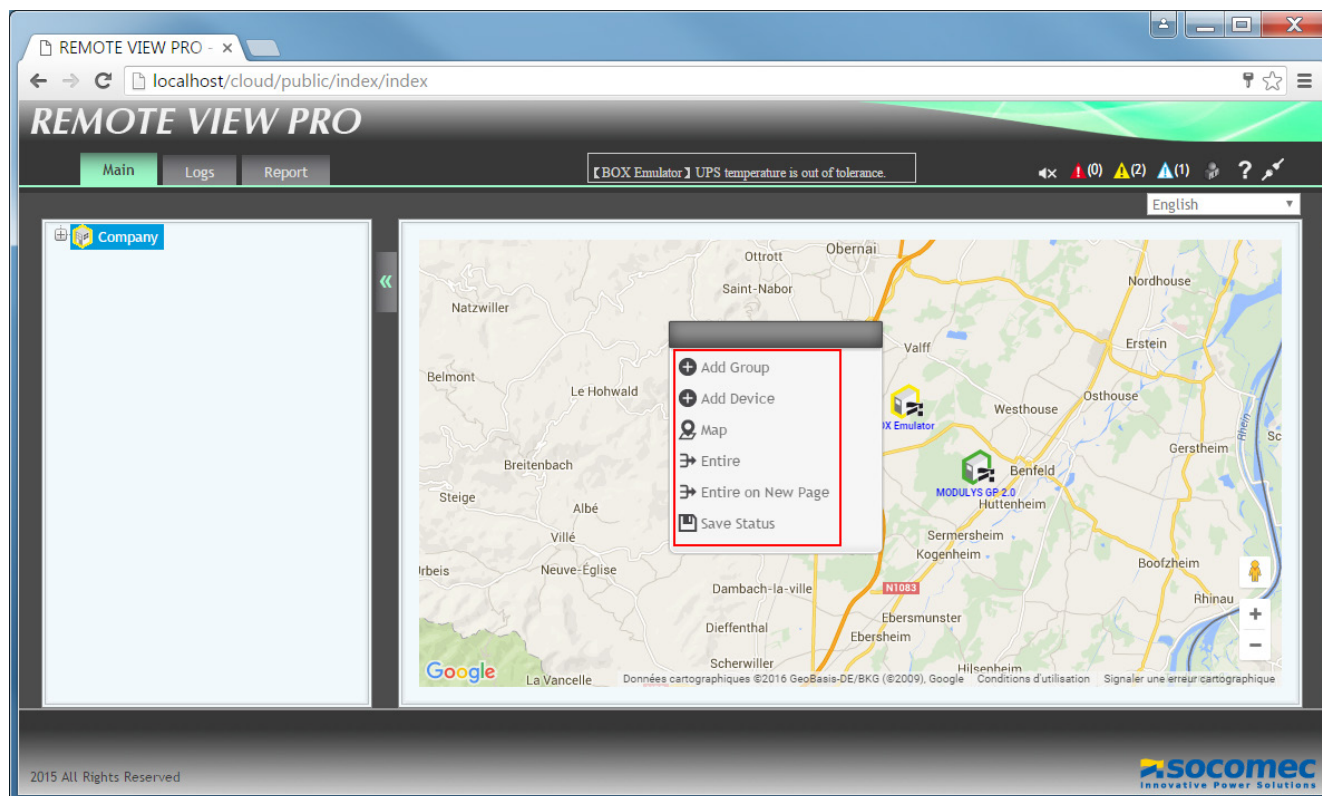
Right-click on a UPS icon to open the contextual window



Super-admin	User with Admin role	User with user role	Function
Delete	Delete		Remove the device from dashboard
Edit	Edit	Edit	Modify name, community, IP, SNMP version
Browse	Browse	Browse	Open web page
Alarm table	Alarm table	No	Ack. Events
History Data	History Data		Measurements log
Properties	Properties		Summary of device

## 7.6. DASHBOARD CONTEXTUAL MENU

Right click on the map or photo



### Functions

Super-Admin	User Admin	User	Description
Add Group	Add Group	/	Add a new level of view
Add device	Add device	/	Add device listed in user account
Map	Map	/	Change Map
Entire	Entire	/	View of real time parameters for all devices
Entire new Page	Entire new Page	/	As above in a separate page
Save status	Save status	/	Save dashboard presentation

## 7.7. ENTIRE VIEW

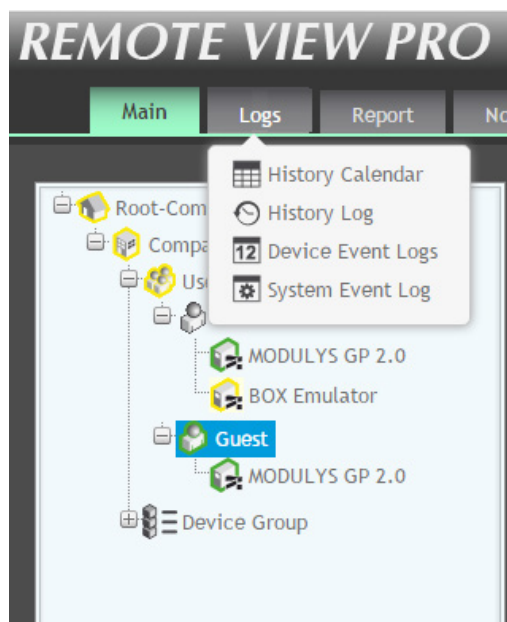
This page gives the real time measurements for all UPS present in the dashboard.

Tables are different according the kind of UPS (Net Vision, EMD, RFC1628 and STATYS)

Entire									
NV6 NV5 RFC1628 STS NV7 UPS NV7 EMD									
Date	Device	Input Voltage (V)	Output Voltage (V)	Input Frequency (Hz)	Temperature (°C)	Battery Voltage (V)	Output Load (%)	Battery Capacity (%)	
2017-12-13 14:26:59	NV7 MASBC+	231.0,231.0,230.0	230.0,229.0,229.0	50	38	591.2	40,40,39	100	
2017-12-13 14:26:41	NV7 MODGP2	231.0,231.0,231.0	230.0,230.0,230.0	50	27	485.1	0,0,0	100	



## 7.8. LOGS MENU



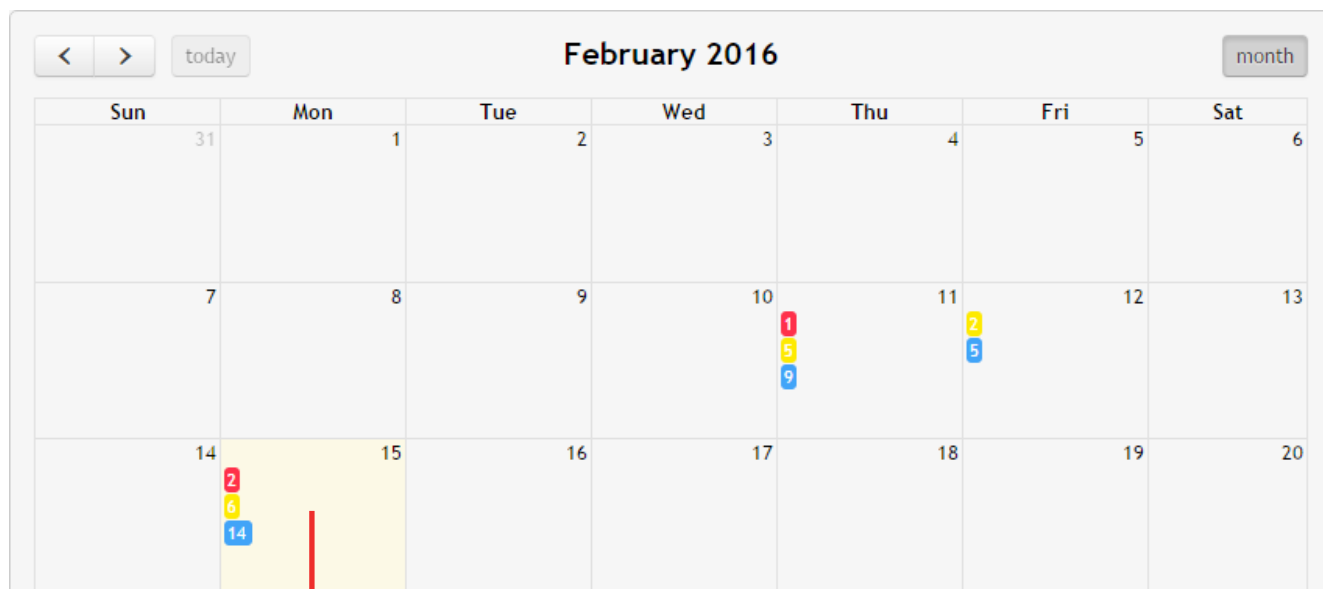
Calendar: Month by month view of daily event counters

History: measurements records table and trends

Device Event: log file of all UPS events

System Event: log of all events concerning *RV PRO SOFTWARE*.

### 7.8.1. Calendar



Daily report of events counters.

Selecting a day, the Device Log is opened with time window set for this day.

From: 2016/02/15 To: 2016/02/15

Company: All Device: All

Severity: All Search:


Ack: All

Apply

### 7.8.2. Event Log

<b>Period</b>	From To	Calendar selection
<b>Company</b>	List depends on user rights	All for Admin accounts
<b>Device</b>	List depends on user rights	All for Admin accounts
<b>Severity</b>	Disconnect	
	Config-fail	
	Critical	
	Warning	
	Information	
	Connect	
<b>Ack</b>	All	
	Ack	
	UnAck	
<b>Search</b>		Search the log by specific key word

#### Additional functions

- Export to SCV format 
- Clear all device event logs (only for Admin session)

### 7.8.3. History Log

<b>Company</b>	List depends on user rights	All for Admin accounts
<b>Device</b>	List depends on user rights	All for Admin accounts
<b>End Date</b>	Date of last record to show	
<b>End Time</b>	Time of last record to show	
<b>Time unit</b>	Raw data	Default sample defined in RV PRO service  Define the time sample
	Minute	
	Hour	
	Day	
	Month	
	Year	
<b>Time window</b>	From 20 min – 2 h. (raw data)	Depends on time unit
	From 1 day – 14 days (hour)	

Company:

Device:

End Date:

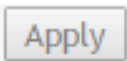
End Time:

Time unit:

Time window:

Apply

Example: Time unit = Minute / Time window = 30 minutes

Set all fields, and  to show the records table

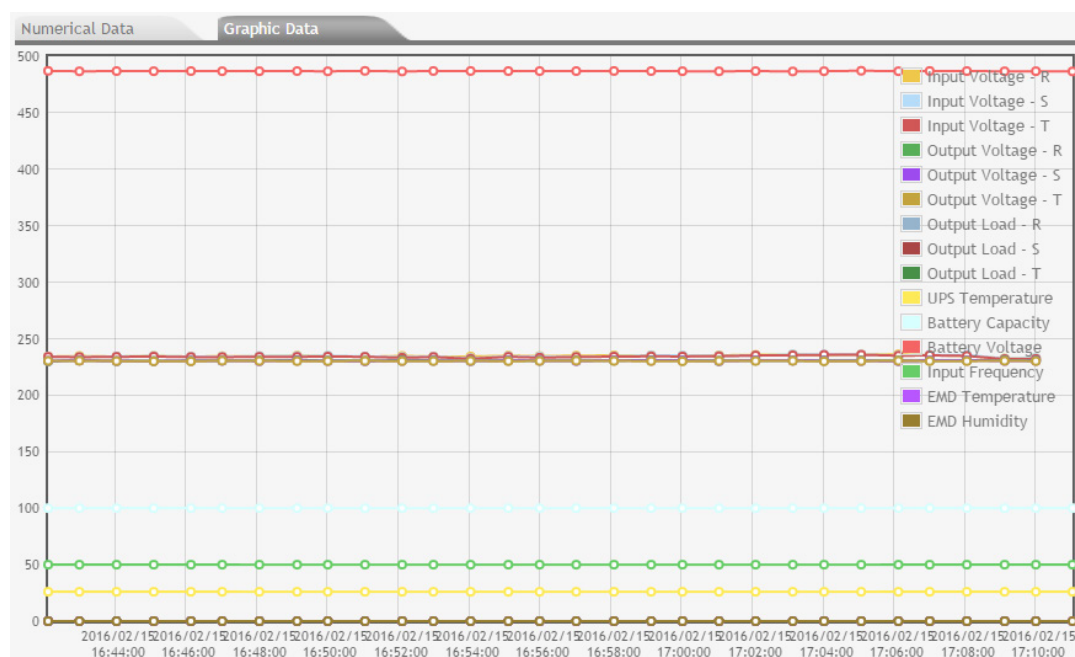
30 records in 3 pages (10 records per page are set in System parameters. You can change this from System > System Configure > Column per page)

## Numerical Data

Date	Time	Device	IP	Input Voltage (volt)	Output Voltage (volt)	Output Load (%)	UPS Temperature (°C)
2016/02/15	17:42:00	MODULYS GP 2.0	172.23.14.31	231.0,231.0,230.8	230.0,230.0,230.0	0.0,0.0,0.0	26.0
2016/02/15	17:41:07	MODULYS GP 2.0	172.23.14.31	231.0,231.0,230.0	230.0,230.0,230.0	0.0,0.0,0.0	26.0
2016/02/15	17:40:04	MODULYS GP 2.0	172.23.14.31	231.0,230.5,230.0	230.3,230.0,230.0	0.0,0.0,0.0	26.0
2016/02/15	17:39:01	MODULYS GP 2.0	172.23.14.31	231.0,230.8,230.2	230.0,230.0,230.0	0.0,0.0,0.0	26.0
2016/02/15	17:38:08	MODULYS GP 2.0	172.23.14.31	231.0,231.0,230.8	230.4,230.0,230.0	0.0,0.0,0.0	26.0
2016/02/15	17:37:05	MODULYS GP 2.0	172.23.14.31	231.0,231.0,231.0	230.3,230.0,230.0	0.0,0.0,0.0	26.0
2016/02/15	17:36:01	MODULYS GP 2.0	172.23.14.31	231.0,231.0,231.0	230.0,230.0,230.0	0.0,0.0,0.0	26.0
2016/02/15	17:35:08	MODULYS GP 2.0	172.23.14.31	231.4,230.8,230.8	230.0,230.0,230.0	0.0,0.0,0.0	26.0
2016/02/15	17:34:04	MODULYS GP 2.0	172.23.14.31	231.5,230.3,230.7	230.8,230.3,230.2	0.0,0.0,0.0	26.0
2016/02/15	17:33:01	MODULYS GP 2.0	172.23.14.31	231.2,231.0,231.0	230.5,230.0,230.2	0.0,0.0,0.0	26.0

page 1 of 3

## Graphic Data



Last record @16:42

First record @17:11

## CSV Export

nv6												
Generated Time	2016/02/15 18:03:45											
Time from	2016-02-15	Time to	2016-02-15									
Date	Time	Device	IP	Input Voltage	Output Voltage	Output Load	UPS Temperature	Battery Capacity	Battery Voltage	Input Frequency	EMD Temperature	EMD Humidity
15/02/2016	17:11:03	MODULYS GP 2.0	172.23.14.31	232.3 232.2 231.8	230.8 230.7 230.2	0.0 0.0 0.0	26.0	100	486.6	50	0.0	0
15/02/2016	17:10:01	MODULYS GP 2.0	172.23.14.31	232.8 233.0 232.2	230.8 230.5 230.2	0.0 0.0 0.0	26.0	100	486.8	50	0.0	0
15/02/2016	17:09:08	MODULYS GP 2.0	172.23.14.31	232.6 232.4 232.0	231.0 230.4 230.4	0.0 0.0 0.0	26.0	100	486.7	50	0.0	0



#### 7.8.4. System Log

System Event Log

From: 2016/02/15 12 To: 2016/02/15 12

Apply

Clear all system event log

Prev Page

Next Page

System Event Logs

Date	Time	Event Description
2016/02/15	17:43:14	User [admin](Admin) clear Device Event logs by manual.
2016/02/15	17:14:27	User admin(Administrator) modify system configuration. (Alarm Audio Severity:0->)
2016/02/15	17:14:27	User admin(Administrator) modify system configuration. (Blanking:enable->disable)
2016/02/15	17:14:20	User admin(Administrator) modify system configuration. (Alarm Audio Severity:0->)
2016/02/15	17:14:20	User admin(Administrator) modify system configuration. (Blanking:disable->enable)
2016/02/15	17:14:06	User admin(Administrator) modify system configuration. (Alarm Audio Severity:0->)
2016/02/15	17:14:06	User admin(Administrator) modify system configuration. (Blanking:enable->disable)
2016/02/15	17:06:20	User admin(Administrator) modify email User1@company.com in company Company. (email:User1@company.com->nicol
2016/02/15	17:06:00	User admin(Administrator) delete email in company Company. (email:admin.it@company.com)
2016/02/15	17:04:46	User admin(Administrator) modify email admin.it@socomec.com in company Company. (email:admin.it@socomec.com->

page 1 of 2

It presents all action records done in *REMOTE VIEW PRO SOFTWARE*, for all users

- Login / logout
- System configuration modification

## 8. UPS EVENTS MANAGEMENT

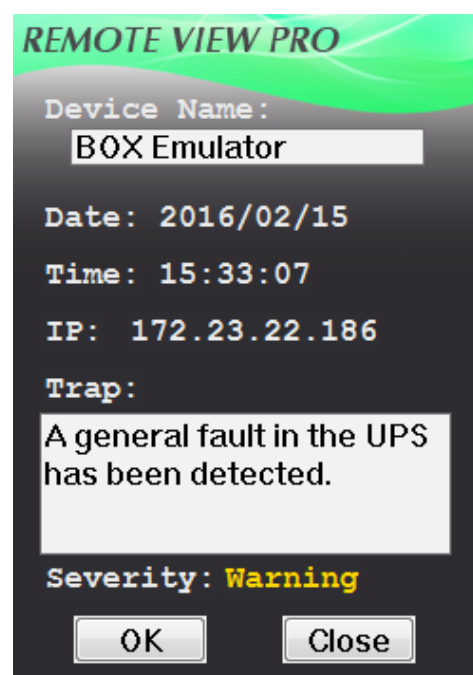
### 8.1. NEW INCOMING UPS EVENT

Action	Interface	Description	Setting
Popup window is opening	On RV Pro service computer	Opens a popup with event description and shortcut to open web page	This function has to be enabled in the Service configuration window
UPS's Flashing icon	If the web page is open	A Flashing icon means that a new event is present, and needs to be acknowledged	By default all events are notified by RV PRO. An event severity filter can be applied in System page
Events accumulator update	Web page	For each event severity level a counter is updated	The counters are managed only during a open session
E-mail notification sending	No need to have an open session	An e-mail is send to a specific recipient according to events selected or not	SMTP setting in Notification page. E-mail receiver Configuration page: defines the list of receivers, and the list of events

### 8.2. POPUP WINDOWS

Managed by the *RV PRO Service* (Server or Client)

Function not enabled for UPS connected with Net Vision 7



NAME

DATE & TIME

TRAP DESCRIPTION

Severity: **Critical** / **Warning** / **Information**

OK: Open the web page

Close: remove the popup

### 8.3. EVENT ACKNOWLEDGEMENT

The principle of acknowledgement takes into account new UPS events by human action.

After notification via popup or E-mail, you need to open the web interface to acknowledge the new events.

The UPS's icon on the control panel and icons in the tree will continue to flash until the event has been acknowledged..

#### 8.3.1. Alarm table access

Right click on the UPS icon, and select Alarm Table

acknowledge	Date	Time	Event Description
<input type="checkbox"/>	2016/02/15	15:45:00	A general fault in the UPS has been detected.
<input type="checkbox"/>	2016/02/15	15:44:39	Removed: A general fault in the UPS has been detected.
<input type="checkbox"/>	2016/02/15	15:33:07	A general fault in the UPS has been detected.

Select 'acknowledge' and 'ACK'

acknowledge	Date	Time	Event Description
<input checked="" type="checkbox"/>	2016/02/15	15:45:00	A general fault in the UPS has been detected.
<input checked="" type="checkbox"/>	2016/02/15	15:44:39	Removed: A general fault in the UPS has been detected.
<input checked="" type="checkbox"/>	2016/02/15	15:33:07	A general fault in the UPS has been detected.



Those events will be removed from this window after acknowledgement.

'ACK ALL' button acknowledges all alarms in one click.

The UPS icon switches to green after acknowledgement action.

#### 8.3.2. Device Log

The Device Event Log shows all events, acknowledged or not.

Device Event Log

From: 2016/02/15 12 To: 2016/02/15 12

Company: All Device: All

Severity: All Search:

Ack: All

Apply

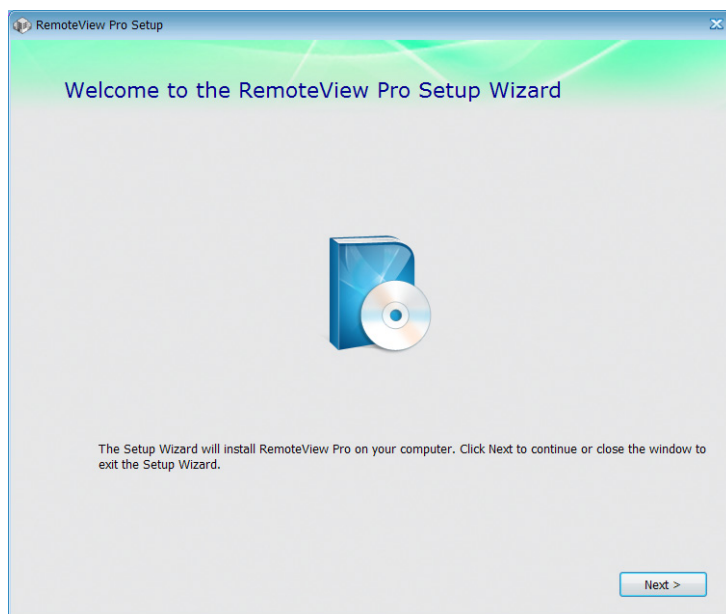
Clear all device event log Prev Page Next Page

Acknowledge	Date	Time	Company	Device	Severity	Event Description
<input checked="" type="checkbox"/>	2016/02/15	15:45:00	Company	BOX Emulator	warning	A general fault in the UPS has been detected.
<input checked="" type="checkbox"/>	2016/02/15	15:44:39	Company	BOX Emulator	information	Removed: A general fault in the UPS has been detected.

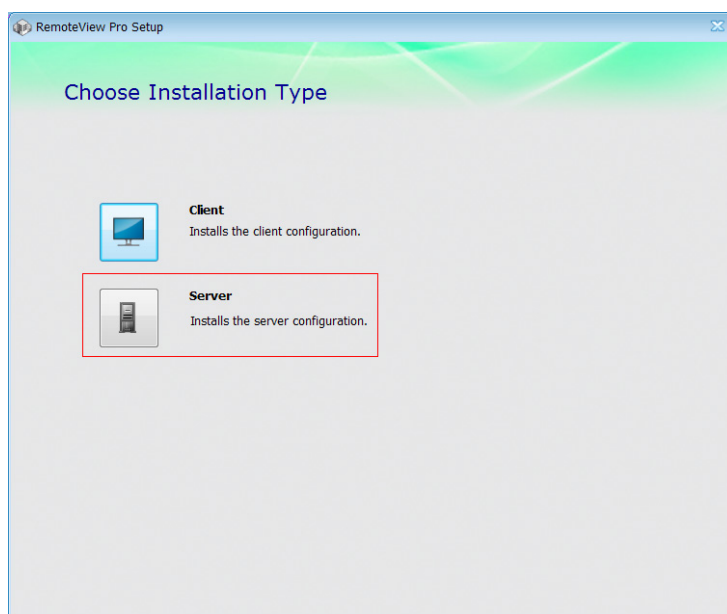
## 9. INSTALLATION



50Mb disk space free are needed for RV Pro installation.



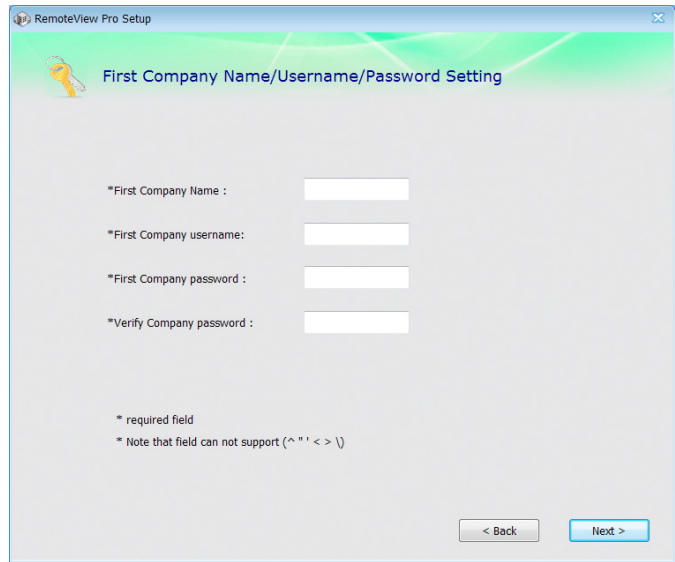
### 9.1. SERVER INSTALLATION BY DEFAULT



Case of upgrade version:

1. backup the RV Pro configurations.
2. stop mysql and RV Pro services
3. install the upgrade version.
4. reboot the server when finished

### 9.1.1. Root-Company and Admin account creation:



RemoteView Pro Setup

First Company Name/Username/Password Setting

\*First Company Name :

\*First Company username:

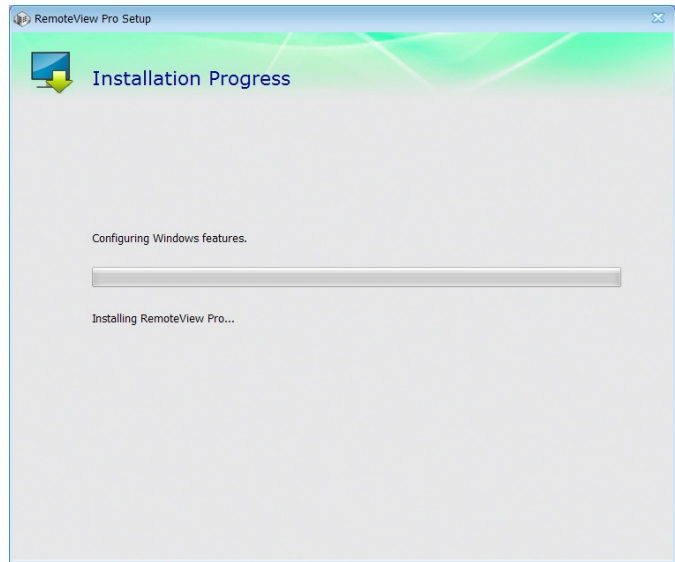
\*First Company password :

\*Verify Company password :

\* required field  
\* Note that field can not support (^ ' ' < > \)

< Back    Next >

- This information has to be entered when you first start-up the *REMOTE VIEW PRO* web page.
- This account will be used as “Super-admin” for *REMOTE VIEW PRO*.

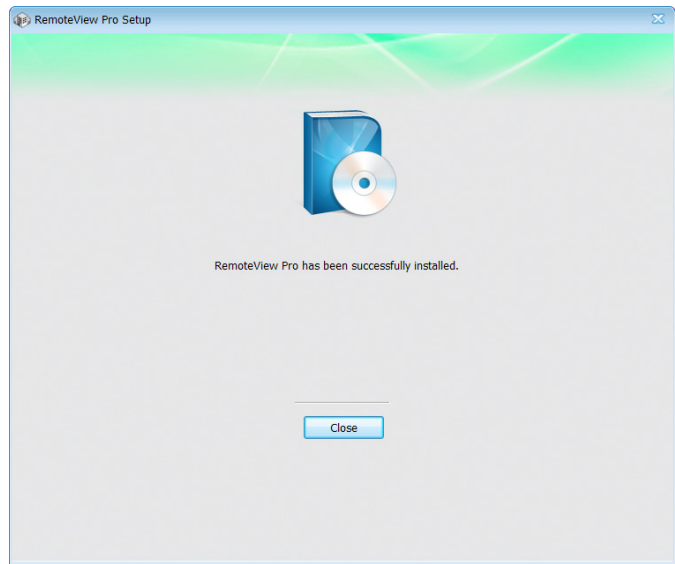


RemoteView Pro Setup

Installation Progress

Configuring Windows features.

Installing RemoteView Pro...

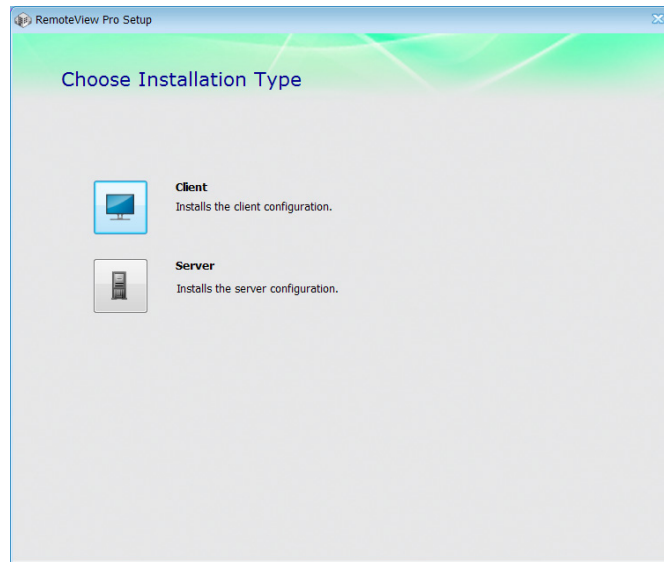


RemoteView Pro Setup

RemoteView Pro has been successfully installed.

Close

## 9.2. CLIENT INSTALLATION



This installation type only sets up the *RV PRO Client service*.

The service starts automatically at the end of installation.

The client service has to be added in *REMOTE VIEW PRO* and connected to all UPS to be monitored by this client.

## 9.3. ADMINISTRATOR LOGIN PAGE

At the end of the installation, the web page with login window is automatically opened.

The login page starts if the www service is running.

Please note: to avoid problems of compatibility, you need to have a browser with versions IE 10, Chrome 22 and Firefox 15 or later.

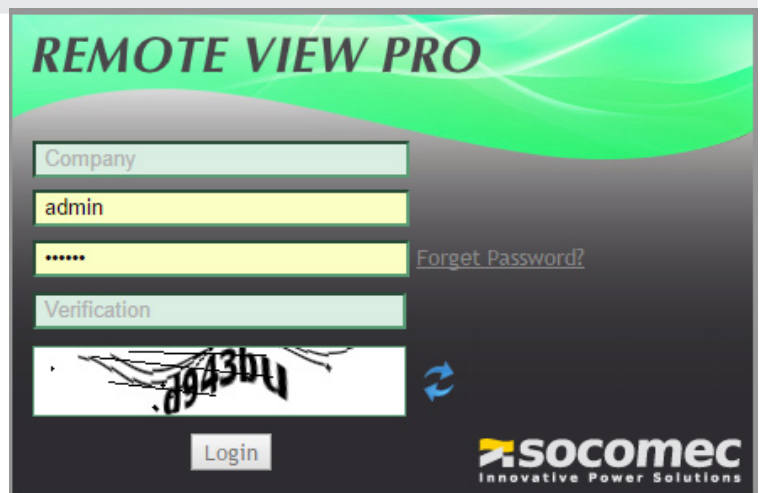


## 10. REMOTE VIEW PRO SETUP STEP BY STEP

### 10.1. ADMIN ACCOUNT LOGIN

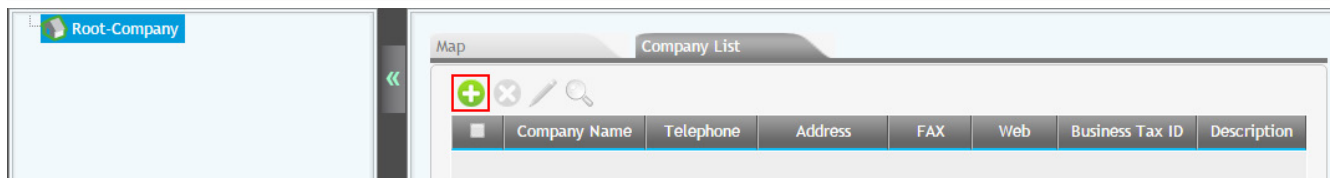
Company name set during installation  
Account  
Password  
Verification code given by the alphanumeric code given below

Login




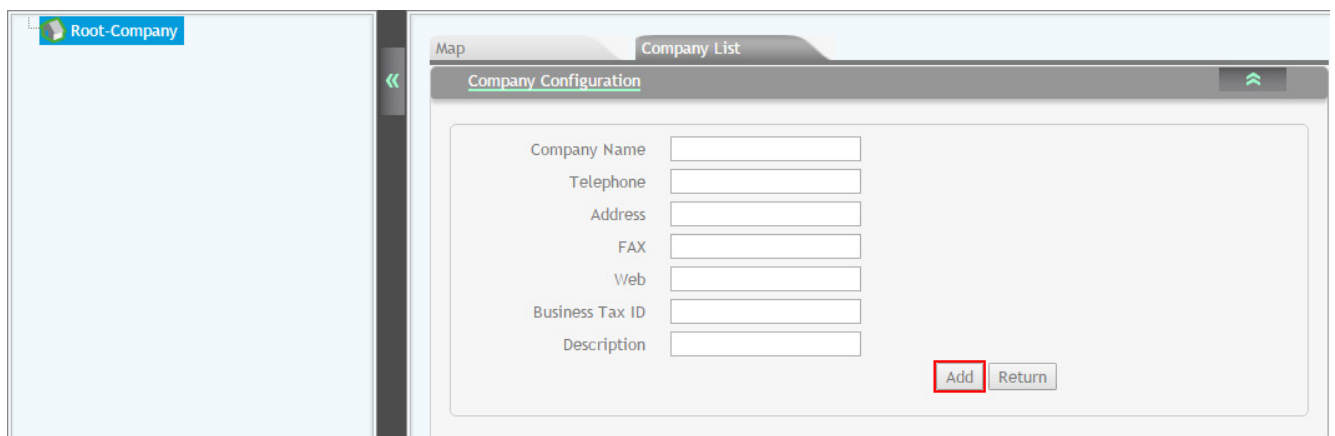
The login screen for Remote View Pro features a green header with the title "REMOTE VIEW PRO". Below the header are five input fields: "Company" (containing "Company"), "Account" (containing "admin"), "Password" (containing "\*\*\*\*\*"), "Verification" (containing a distorted alphanumeric code "dg43b1j"), and a "Login" button. A "Forget Password?" link is located to the right of the password field. The Socomec logo, "socomec Innovative Power Solutions", is in the bottom right corner.

### 10.2. COMPANY CREATION



The interface shows a tree view on the left with "Root-Company" selected. The main area displays a "Company List" table with columns: Company Name, Telephone, Address, FAX, Web, Business Tax ID, and Description. A green plus icon (+) is highlighted in the top left corner of the table area.

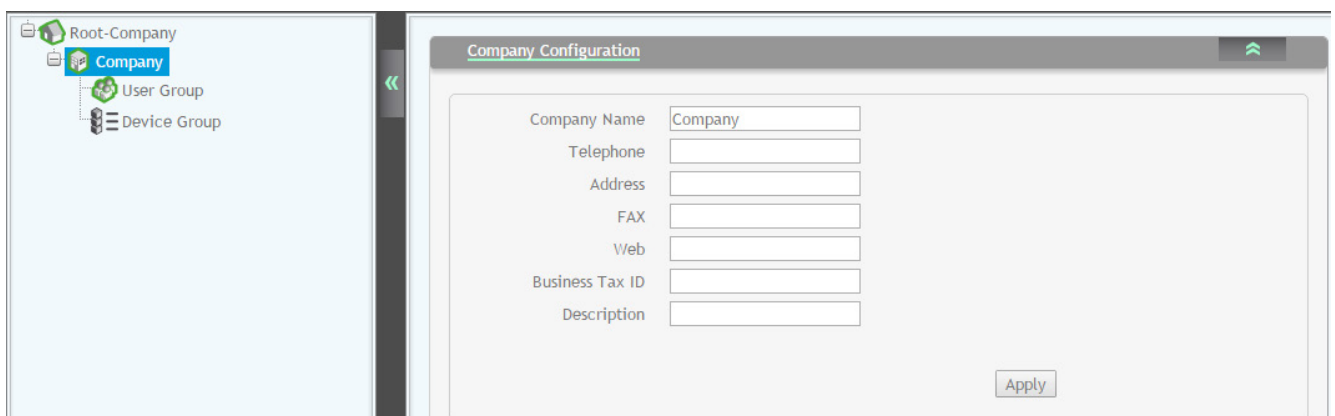
1. Select Company List at Root level
2. Click on  icon and complete the form for this company



The "Company Configuration" form is displayed. It contains input fields for: Company Name, Telephone, Address, FAX, Web, Business Tax ID, and Description. At the bottom right, there are "Add" and "Return" buttons. The "Add" button is highlighted with a red box.

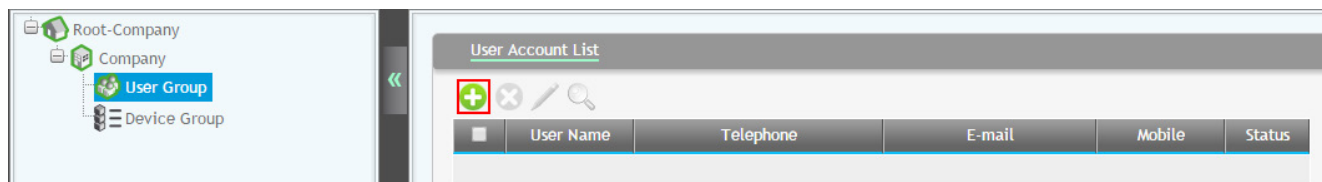
3. Click 

Once the company is created, USER and DEVICE groups are added to the tree.



The interface shows the tree view on the left with "Root-Company" expanded, revealing "Company", "User Group", and "Device Group". The "Company Configuration" form on the right now has the "Company Name" field filled with "Company". An "Apply" button is visible at the bottom right of the form.

## 10.3. USER CREATION



1. Click on  icon and complete the form for this user

Not Active: the user cannot login to RV PRO

User Name

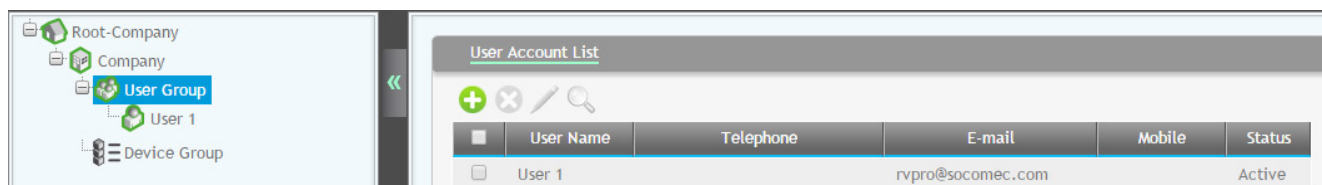
Password

E-mail

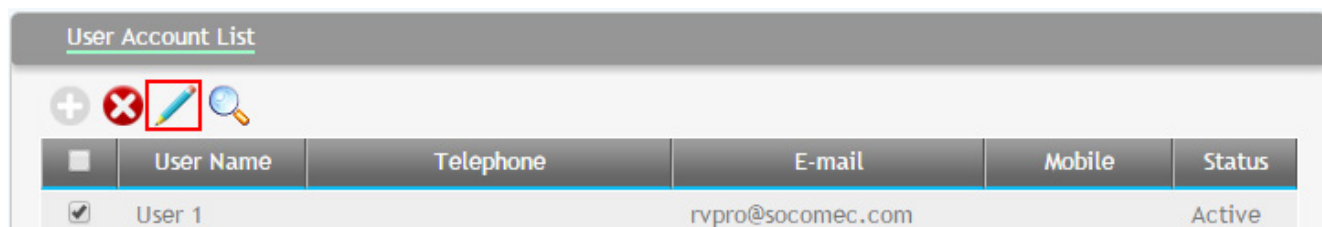
Level: Normal user or Super user with admin rights

This part is used to link device to this user

2. Click  to add this user to the group



3. Select the box in the line and click on  to modify user parameters



4. Confirm modification with 



## 10.4. DEVICE GROUP CREATION

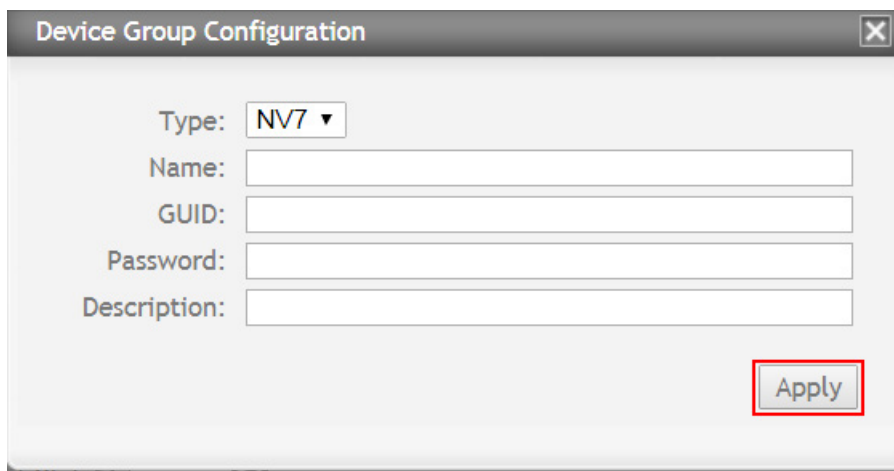
### 10.4.1. Add a NET VISION 7 Device Group

Before adding a Net Vision 7 node, make sure that the Remote View Pro Server Control is enabled on the Net Vision 7 to add in Remote View Pro.

NET VISION 7 Remote View Pro Configuration page

Server Control	Enabled
Server IP	192.168.1.1
Server Port	80
GUID	00E0D8FFC190
Password	*

#### 1. Add a Device Group



The 'Device Group Configuration' dialog box contains the following fields:

- Type: NV7 (dropdown menu)
- Name: (text input field)
- GUID: (text input field)
- Password: (text input field)
- Description: (text input field)
- Apply (button, highlighted with a red box)

#### 2. Select NV7 type

#### 3. Give a name

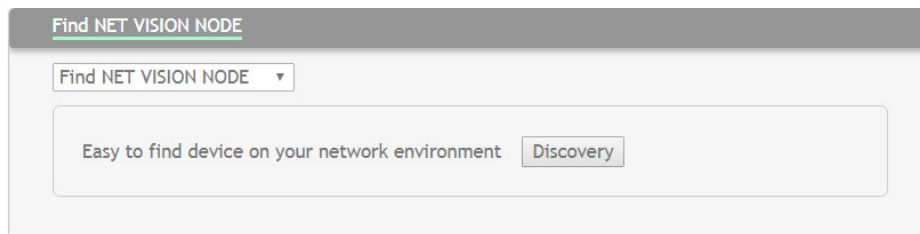
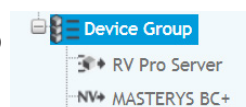
#### 4. Copy the GUID key from Net Vision 7 page

#### 5. Set the same password as in Net Vision 7 page

#### 6. to finalize the configuration

#### 7. A new "NV" Group is added in Device group

#### 8. Select the "NV" group create

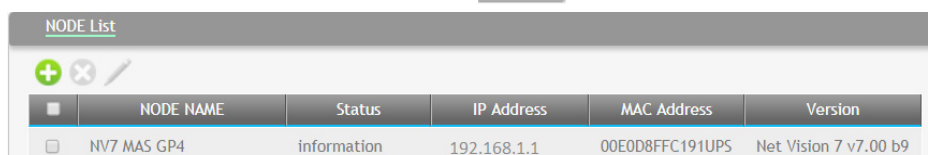


The 'Find NET VISION NODE' dialog box contains the following elements:

- Find NET VISION NODE (dropdown menu)
- Easy to find device on your network environment (text)
- Discovery (button)

#### 10. Add Net Vision 7 Node, click on .

#### 11. Select the node, and click on .

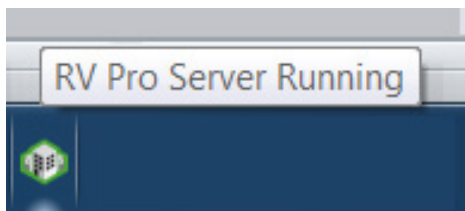


	NODE NAME	Status	IP Address	MAC Address	Version
<input type="checkbox"/>	NV7 MAS GP4	information	192.168.1.1	00E0D8FFC191UPS	Net Vision 7 v7.00 b9

#### 12. If EMD present is necessary to add it as a Net Vision 7 Node Add UPS in User account

### 10.4.2. Add RV PRO service

1. Open the configuration window from the *RV PRO service* server



2. Click right to open the contextual menu, then choose Configuration

A "Configuration" dialog box with a blue title bar and a close button. It contains several input fields: "GUID" with the value "9B30DDEC-A353-4637-8C1B-2163330130FB", "Server IP" with "172 . 23 . 27 . 168", "Port" with "80", "Password" with seven dots, and "Polling Rate" with "10" and a note "( 3 ~ 30 Seconds)". There is a checked checkbox for "Popup Event Notification" and "OK" and "Cancel" buttons at the bottom.

Configuration

GUID: 9B30DDEC-A353-4637-8C1B-2163330130FB

Server IP: 172 . 23 . 27 . 168

Port: 80

Password: ●●●●●●●

Polling Rate: 10 ( 3 ~ 30 Seconds)

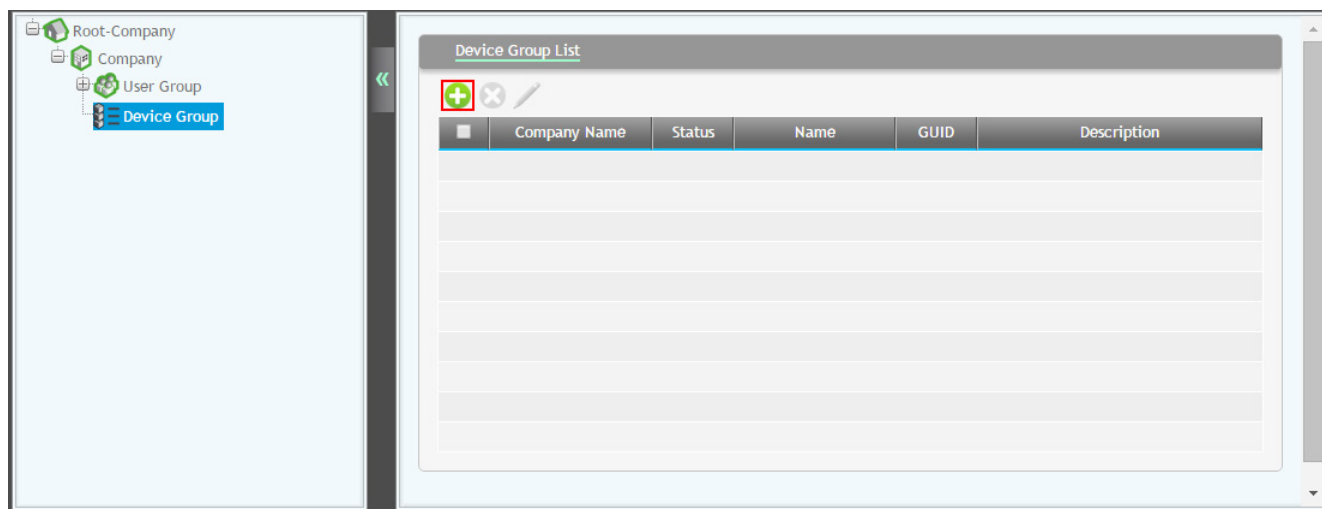
☒ Popup Event Notification

OK Cancel

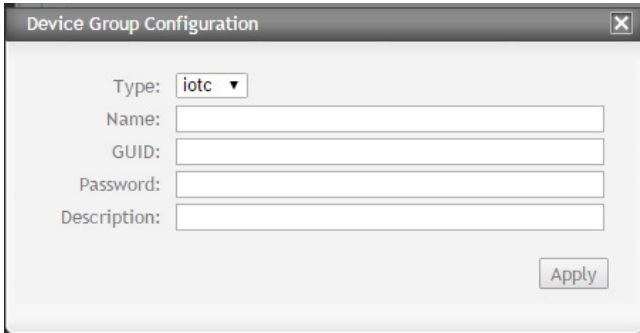
3. Copy the GUID key
4. Set a password

Go back to *REMOTE VIEW PRO* web interface

1. Select Device Group



## 2. Add a Device Group



Device Group Configuration

Type: **iotc** ▼

Name:

GUID:

Password:


Description:

3. Give a name

4. Copy the GUID key from *RV PRO Service*

5. Set the same password as *RV PRO Service*

6. Click on  to finalize the configuration



Device Group Configuration

Type: **iotc** ▼

Name:

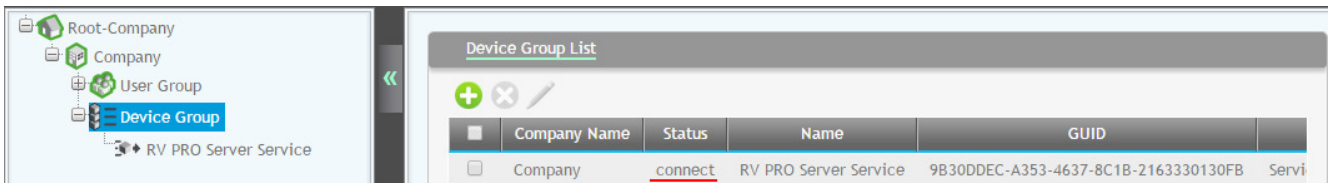
GUID:

Password:

Description:

Once the *RV PRO Service* has been added, the server will try to connect to the service. If the GUID and password are correct, the service will be running and connected to the server data base

GUID and password are used to encrypt the data send from service to server data base.



Root-Company

- Company
  - User Group
    - Device Group
      - RV PRO Server Service

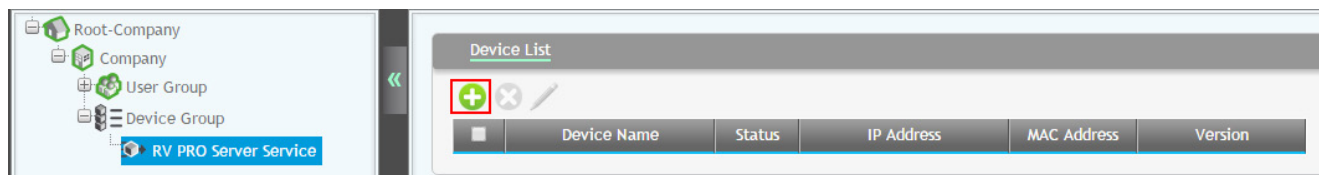
Device Group List

	Company Name	Status	Name	GUID	
<input type="checkbox"/>	Company	<u>connect</u>	RV PRO Server Service	9B30DDEC-A353-4637-8C1B-2163330130FB	Servi

In case of remote *RV PRO client*, the process to create the Group is the same. Before adding, you will need to know the password and GUID key

### 10.4.3. Add a device from the RV Pro service

#### 1. Select the service node



#### 2. Add a Device



#### 3. Select an adding method:

- Single add: enter the IP address of the device
- Segment add: enter a range of IP addresses to find devcies
- Discovery: only for NET VISION SNMP Card

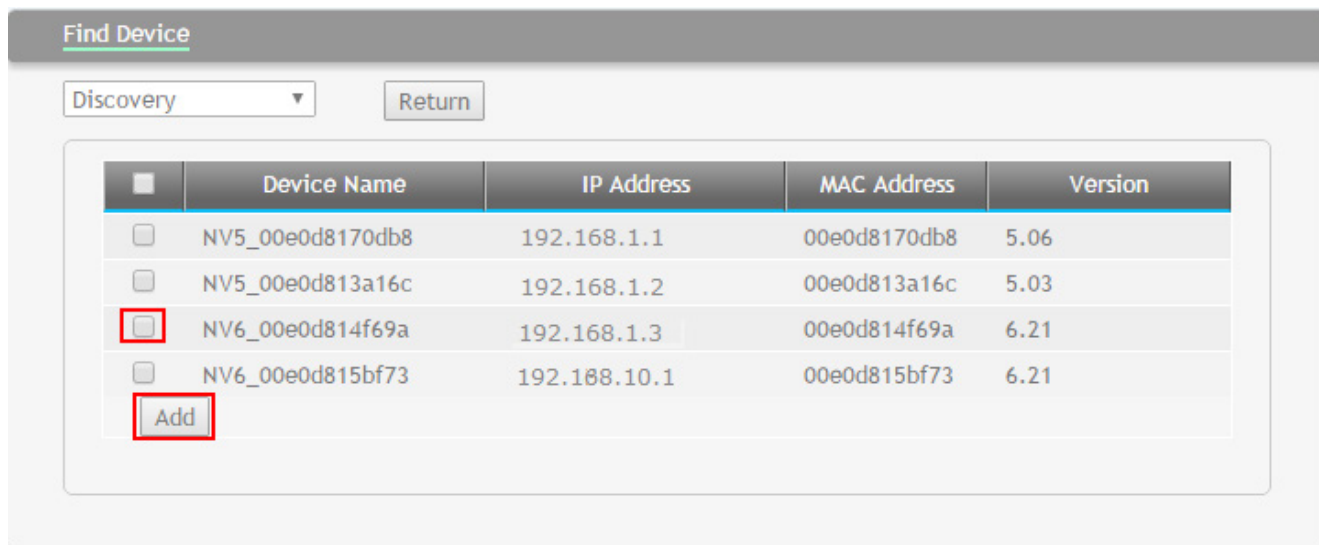
#### 4. Select the right SNMP version

#### 5. Enter a device name

#### 6. Set the read/write SNMP community (public by default)

#### 7. Set RFC1628 if UPS is not using NET VISION




Case of NET VISION discovery



#### 8. Choose one of the NET VISION listed, and in *REMOTE VIEW PRO*

If after adding, the NET VISION is not connected, check the device parameters.

*REMOTE VIEW PRO* automatically sets the server IP address in the SNMP TRAP table of NET VISION.

Device List					
  					
<input type="checkbox"/>	Device Name	Status	IP Address	MAC Address	Version
<input type="checkbox"/>	NV6_00e0d814f69a	connect	172.23.14.31	00e0d814f69a	6.21

### Device Status


config-fail: the SNMP table has not been set. Check the read/write community



connect: the NET VISION is connected to *RV PRO Service*, and the data is polled.


The event rotator indicates the last events, such as:

- Device config ok
- Device connected

To modify data of this NET VISION / UPS

- Check the box
- Click on 

Device List					
  					
<input type="checkbox"/>	Device Name	Status	IP Address	MAC Address	Version
<input checked="" type="checkbox"/>	NV6_00e0d814f69a	connect	172.23.14.31	00e0d814f69a	6.21

Device List					
  					
<input type="checkbox"/>	Device Name	Status	IP Address	MAC Address	Version
<input type="checkbox"/>	<u>MODULYS GP 2.0</u>	connect	172.23.14.31	00e0d814f69a	6.21


At this stage, the UPS has been added and a user account created.

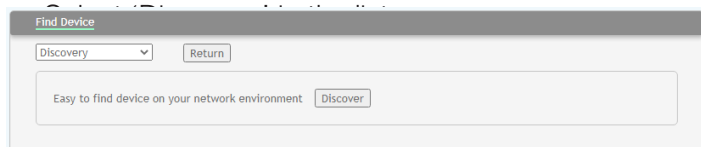
Next step: link the UPS to User

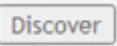
#### 10.4.4. Adding a STS

1. Select 'single add'
2. fill the form with the IP address
3. select STATYS MIB FILE
4. Add

#### 10.4.5. Adding ATS - STATYS XS


- Select the RV Pro server in the "Device Group" tree view
- Click on  adding a new device



- Click on   
RV Pro will discover the STATYS XS in the network where the RV Pro service is running.

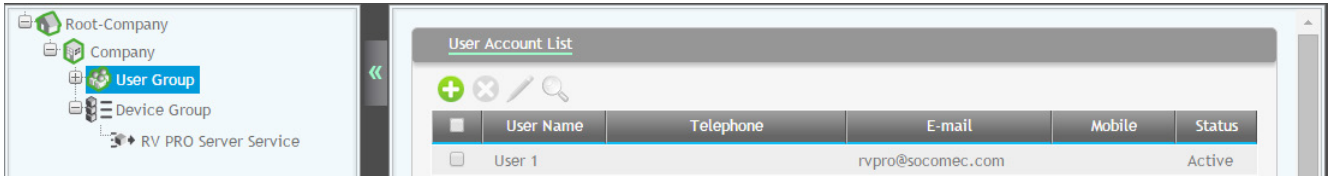
- Select the device discovered to add in RV pro SW



- click on   
The device is added.  
If the device doesn't appear in the list the device has to be added manually, selecting 'Single Add' method.  
If the RV Pro shows "Config failed" it means the admin account password doesn't match with the default write password set on the STATYS XS: account "SNMP" - password "admin".

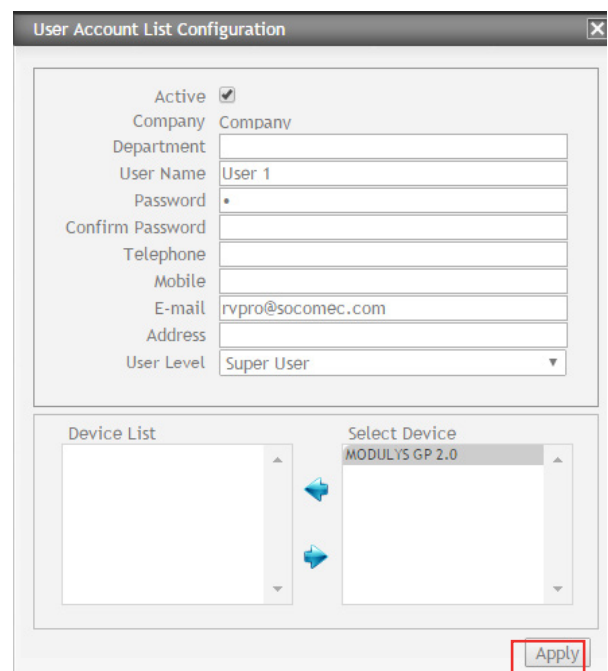
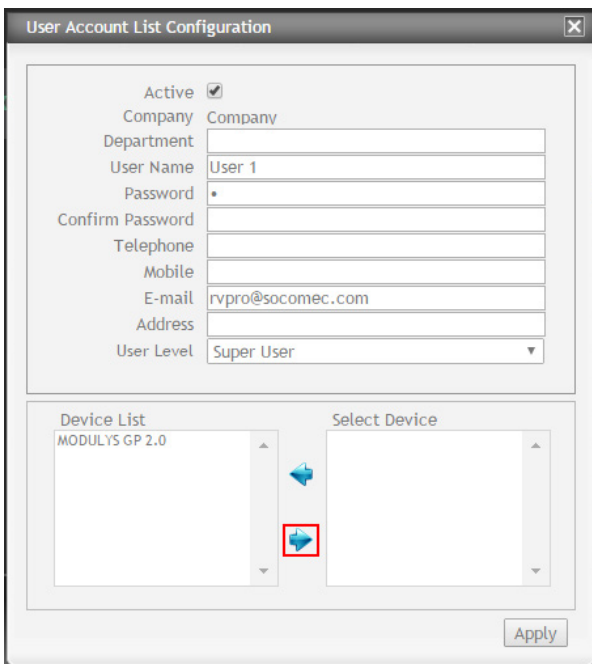
#### 10.4.6. Add UPS and STS in User account

##### 1. Select User Group



##### 2. Select the user and click to modify user settings

##### 3. Select device from list and move it to Select Device side



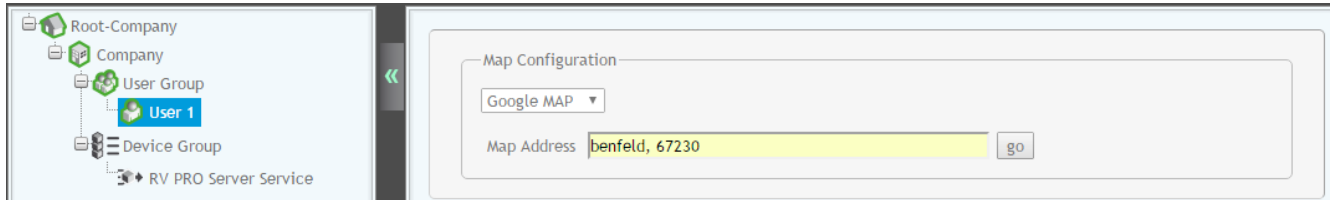
##### 4.

The device is added to user

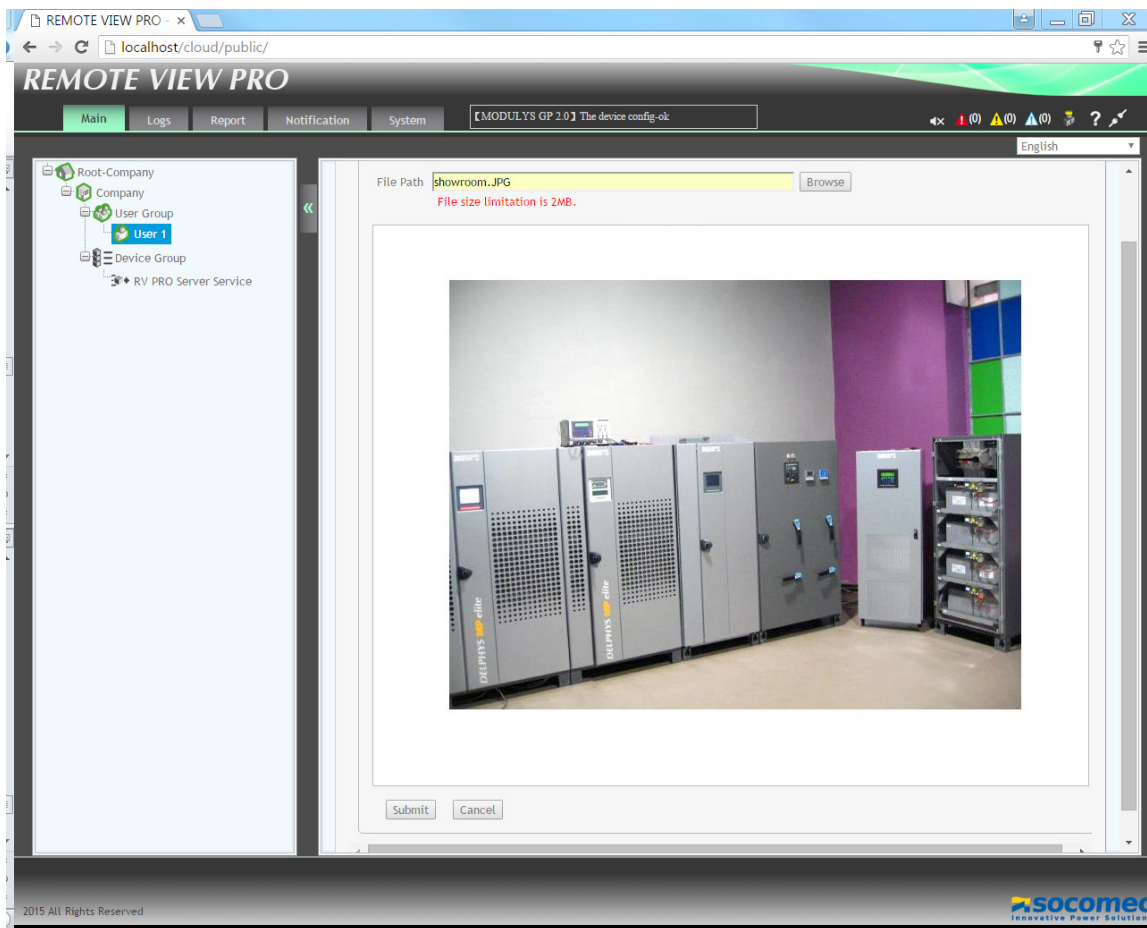
To be able to manage devices by user, you will need to create the control panel (graphical interface)

#### 10.4.7. User Control panel creation

1. Select the User in the tree
2. Map configuration:
  - Google MAP
  - Baidu MAP
  - Static MAP



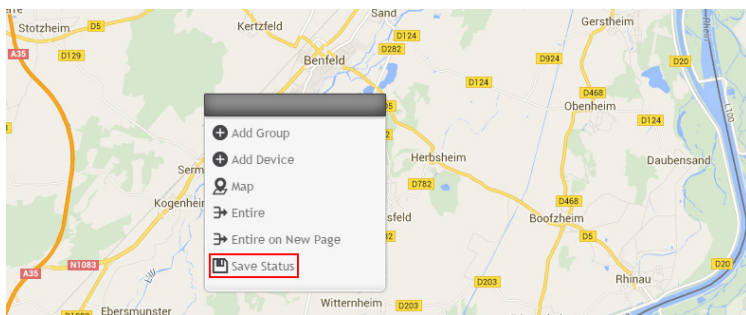
Static MAP: jpg / jpeg / png / gif file



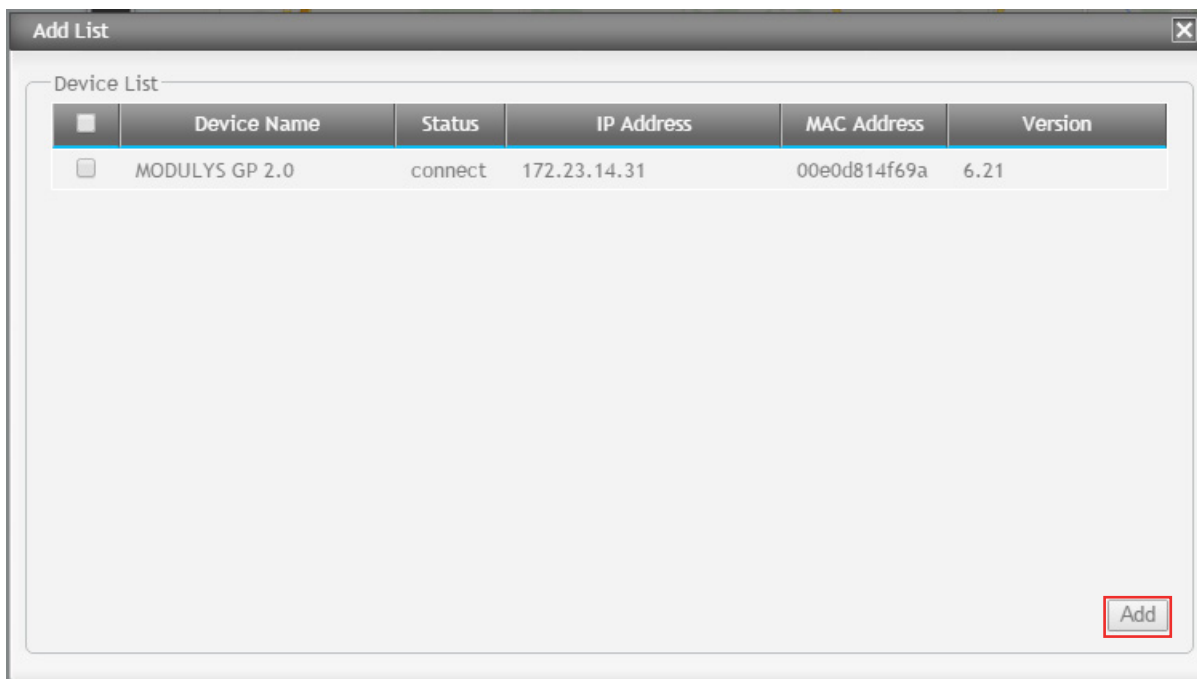
3.



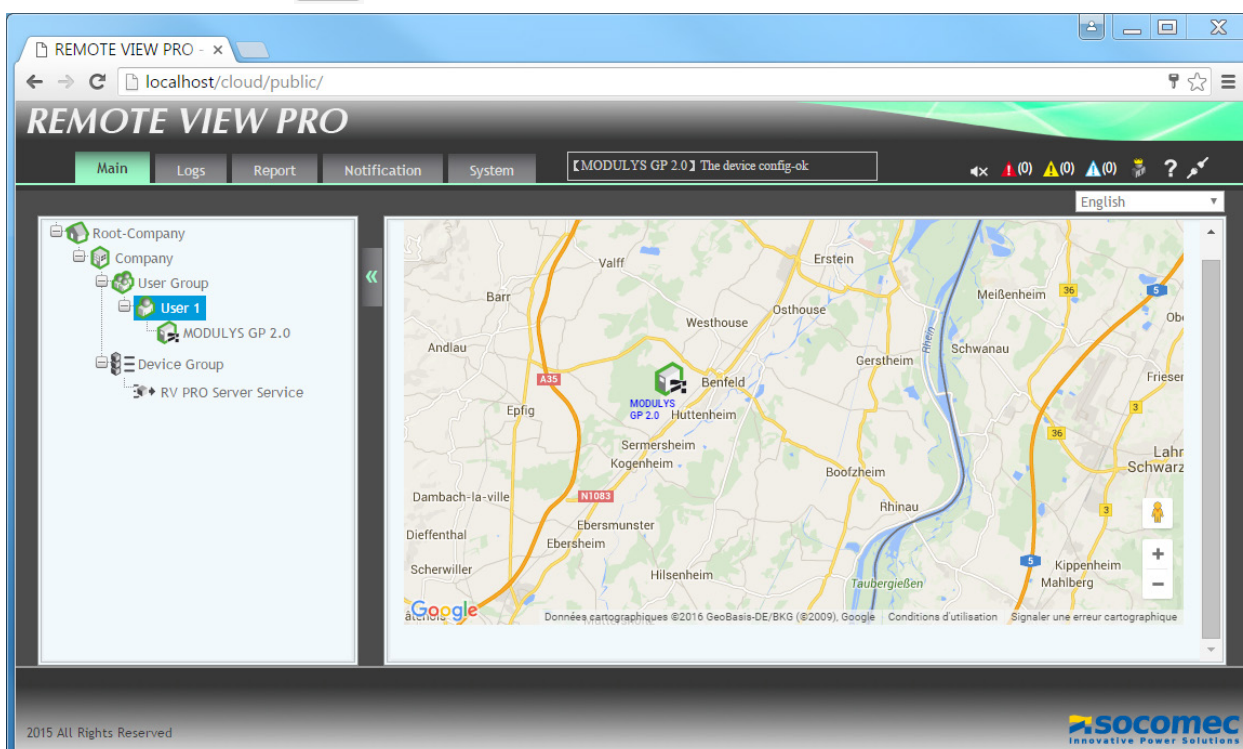
4. Once the map is well defined, click right inside the MAP, and 'Save Status'



5. Click right again and 'add device'



6. Select the UPS and **Add**



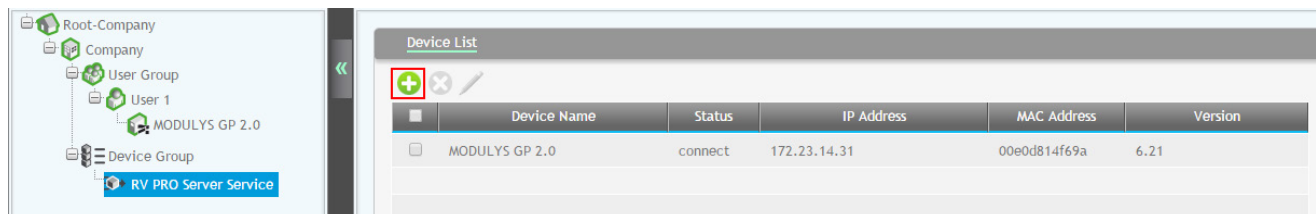
This page will be the entry point of the user, when logged in with right credentials  
The first User and first UPS have been added, and the UPS can now be monitored.

## 10.5. ADDING NEW USER OR DEVICE

The same steps have to be applied to add Users and Devices.  
The same device can be shared with several Users.

### 10.5.1. Adding a new UPS using RFC1628 MIB File

1. Select the right RV Pro Service (Server or Client) in the Device Group



2. Add a new Device 

3. Complete the form, and select 'Use RFC1628 MIB'

The 'Find Device' form is shown. It has a 'Single Add' dropdown and a 'Return' button. Below these are radio buttons for 'SNMP v1', 'SNMP v2', and 'SNMP v3'. The 'SNMP v1' option is selected. The form contains the following fields:

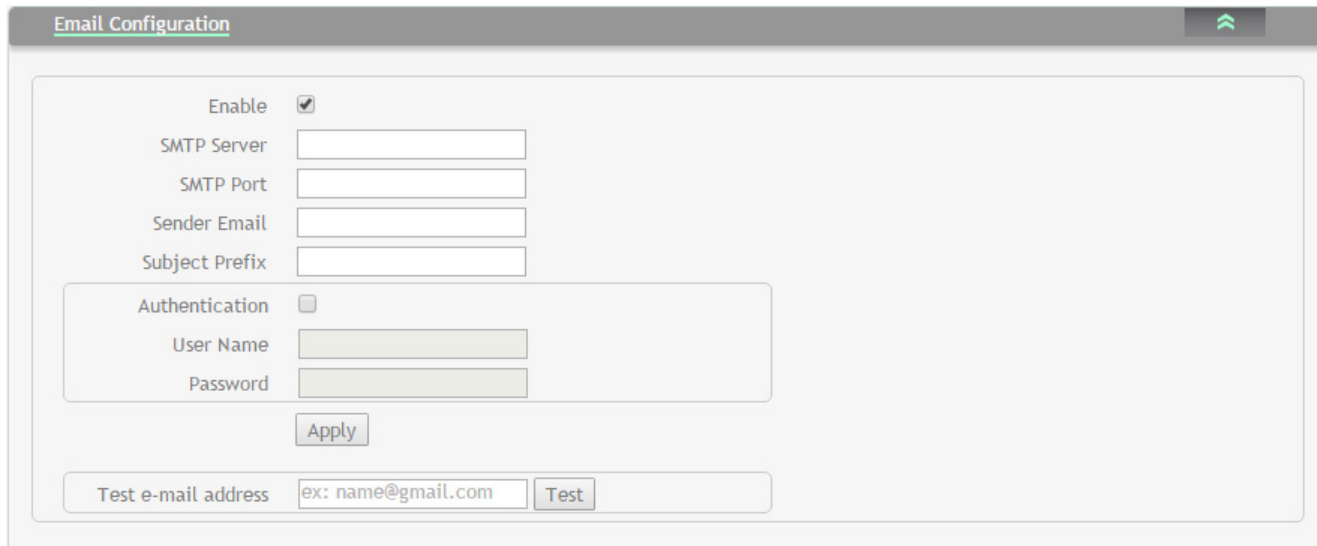
- Name: APC Symmetra 2kVA
- IP Address: (empty)
- Read Community: .....
- Write Community: .....
- ☒ Use RFC1628 MIB
- Apply button

4. Click on  .

## 11. E-MAIL NOTIFICATION

### 11.1. SMTP CONFIGURATION

Notification menu:

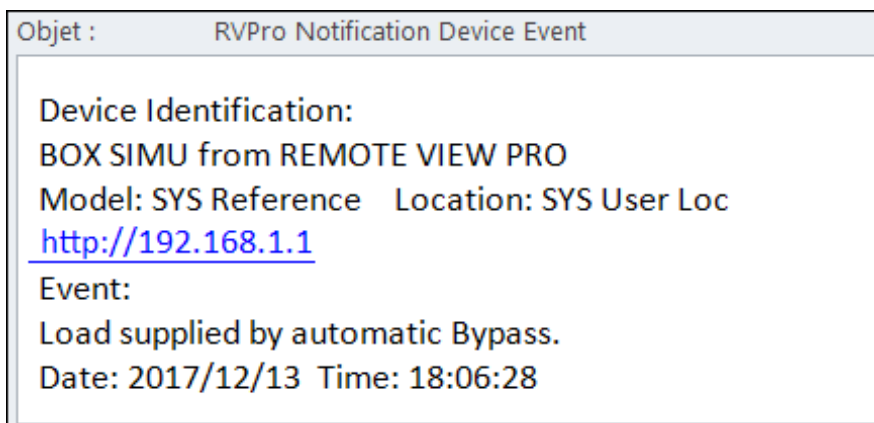


The screenshot shows the 'Email Configuration' window. It has a title bar with the text 'Email Configuration' and a green up arrow icon. The window contains several input fields and checkboxes. The 'Enable' checkbox is checked. Below it are four text boxes for 'SMTP Server', 'SMTP Port', 'Sender Email', and 'Subject Prefix'. There is a section for 'Authentication' with an unchecked checkbox, and two text boxes for 'User Name' and 'Password'. An 'Apply' button is located below the authentication fields. At the bottom, there is a 'Test e-mail address' field with the example 'ex: name@gmail.com' and a 'Test' button.

*RV PRO* needs an authentication account if Receivers are in a different domain, and also to send the license request to SOCOMEC.

### 11.2. TEST E-MAIL:

✉ rvpro@socomec.com      **RV Pro e-mail Test**      lun. 15/02/2016 16:11

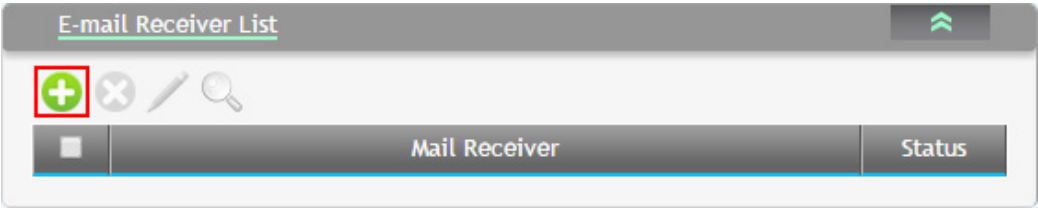


The screenshot shows an email notification message. The header bar contains 'Objet : RVPro Notification Device Event'. The main body of the email contains the following text: 'Device Identification:', 'BOX SIMU from REMOTE VIEW PRO', 'Model: SYS Reference    Location: SYS User Loc', and a blue hyperlink '<http://192.168.1.1>'. Below this, it says 'Event:', 'Load supplied by automatic Bypass.', and 'Date: 2017/12/13 Time: 18:06:28'.

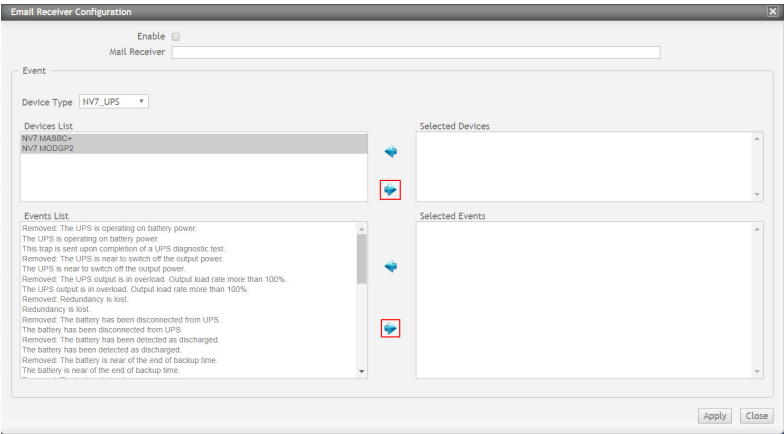
11.3. E-MAIL NOTIFICATION SETTINGS

11.3.1. Company selection

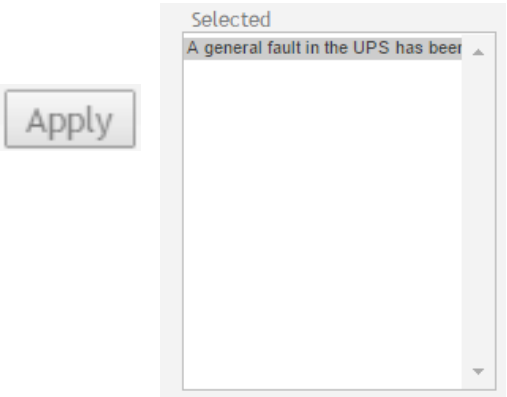
E-mail Receiver list



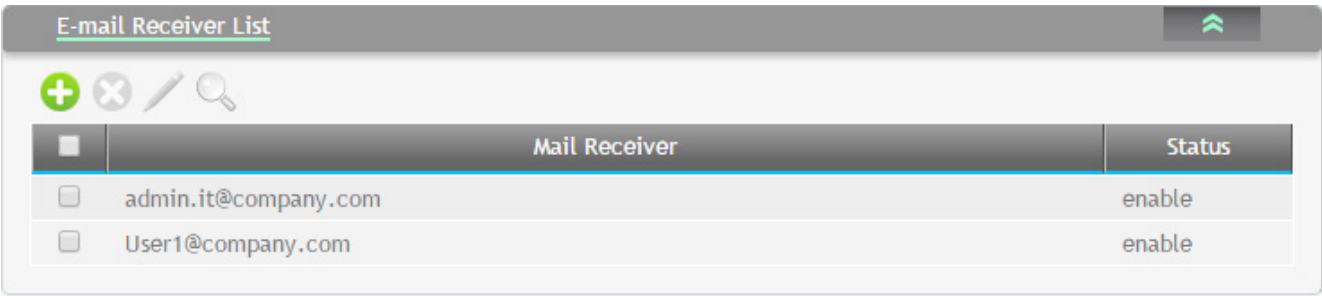
Add a new receiver 



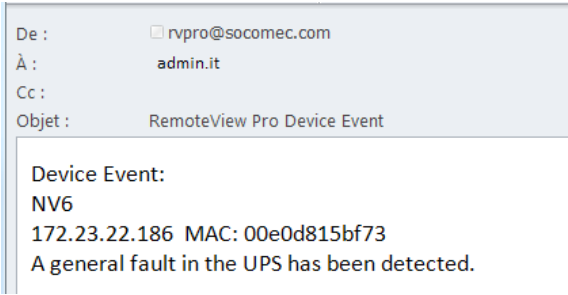
E-mail address  
Select NV 6 or 7, RFC1628 or STS  
  
Select device  
The list of event depends on the device selected



Receivers example settings:



E-mail received :



## 12. SYSTEM PARAMETERS

### 12.1. MENU SYSTEM

The screenshot shows the 'System Configuration' window with various settings. Red lines connect specific settings to their descriptions on the right:

- Column Per Page: 25 → Number of records per page
- Icon Blinking: [checked] → Icon flashing
- When free volume space is less than: 30GB → Spare disk space
- Auto Logout: [unchecked] → Magnify or not the photo in the dashboard
- Static Map size fix: [unchecked] → Enable google or baidu site connection
- Without Internet Access: [unchecked] → Filter to ignore the Ack. Process. But the popup is still open and events stored in the Device Log file.
- Google Map Enable: [unchecked] → Public
- Baidu Map Enable: [unchecked] → Public for NETVISION by default settings
- Ignore Event Severity Level: None → Data polling for NET VISION 7
- Event/History logs contains deleted devices: [unchecked]
- SNMP v1/v2 default Read Community: public
- SNMP v1/v2 default Write Community: private
- Net Vision7 push data rate(5-30sec): 10
- Alarm Audio(MP3): [Critical] → Set audio alarm
- Root Company: SOCOMEC
- Supervisor Name: admin

### 12.2. LICENSE MANAGEMENT

Before requesting the License quotation, be sure that SMTP server and email account are set in Remote View PRO. The email account used to send the license quotation should access to external email accounts (outgoing account / IP address).

#### 12.2.1. License quotation

Before to get the license, please send a quotation request. Once the quotation has been approved, you will receive the license key. License form access: clicking on HELP ? menu than Register item

The screenshot shows the 'Register' window with various fields for license request. Red lines connect specific fields to their descriptions on the right:

- License Request: Silver: up to 200 devices → Select your License level
- Company: ex: Your company's name
- Name: ex: Your name
- Address: ex: Company's address
- Zip Code: ex: 67000
- Country: ex: France
- UPS Serial Number: ex: P012547854
- e-mail: ex: name@company.com
- Contact Name: ex: Contact with SOCOMEC
- Phone Number: ex: 333884545
- Request License Quote: Socomec contact e-mail: ex: name@company.com → Email address of your SOCOMEC contact
- License Key: [empty field]

Clicking on **QUOTE** the request is sent you your SOCOMEC Contact, and you will get an email confirmation in your email box. If the email connection is disabled, the content of the form is reported in a popup window. Copy it and send it manually to get the offer for the licence.

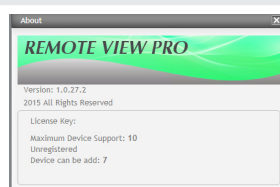
#### 12.2.2. How to get the License:

Your SOCOMEC contact will come back to you for the licence offer process.

#### 12.2.3. How to validate my license:

Once you get the License key copy it in "License Key" field, and **Apply**. Remote View Pro will unlock the number of device to monitor according your license level. The License is unique for 1 server – Remote View Pro installation, and is not limited in time. The "About" window shown the remaining device number.

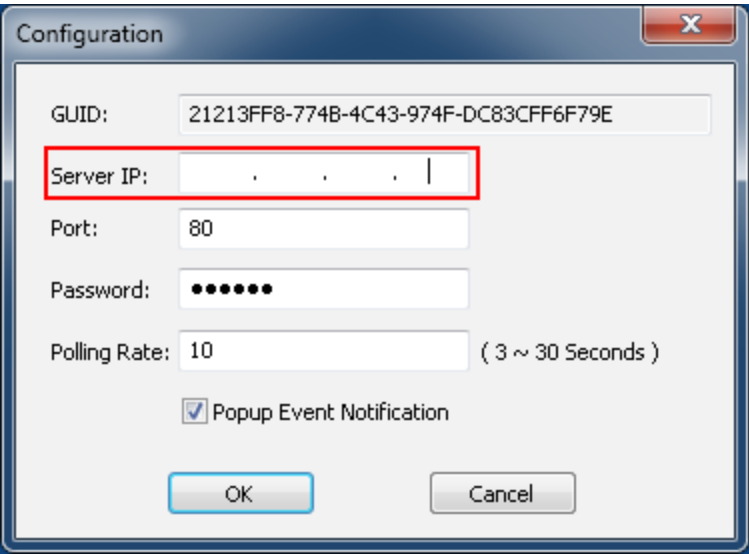
### 12.3. ABOUT



# 13. ADDING RV PRO CLIENT FROM REMOTE COMPUTER

## 13.1. LOCAL MACHINE SETTINGS

Once the *RV Pro Client service* is installed, you will need to set the Server IP address.



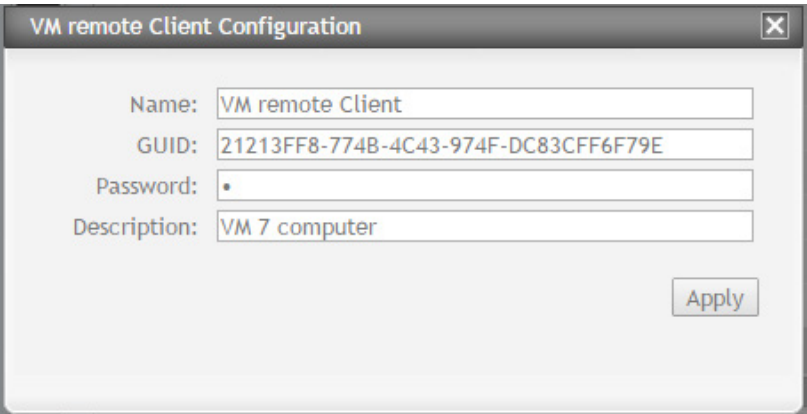
The Configuration dialog box contains the following fields and controls:

- GUID: 21213FF8-774B-4C43-974F-DC83CFF6F79E
- Server IP: [Redacted]
- Port: 80
- Password: [Redacted]
- Polling Rate: 10 ( 3 ~ 30 Seconds )
- ☒ Popup Event Notification
- OK button
- Cancel button

Copy the GUID, and set a password

## 13.2. CREATE THE RV PRO SERVICE IN SERVER

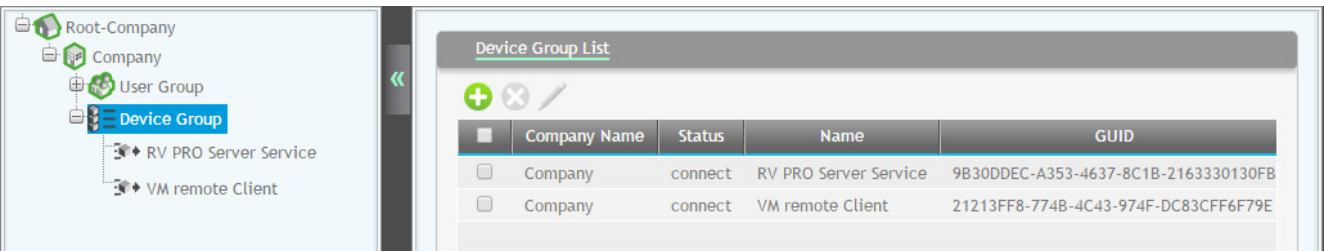
- 1. Select Device Group
- 2. Copy the GUID and enter the same password
- 3. Click on **Apply**



The VM remote Client Configuration dialog box contains the following fields and controls:

- Name: VM remote Client
- GUID: 21213FF8-774B-4C43-974F-DC83CFF6F79E
- Password: [Redacted]
- Description: VM 7 computer
- Apply button

The new Device Group is created, and now devices can be added to be managed by this remote computer.



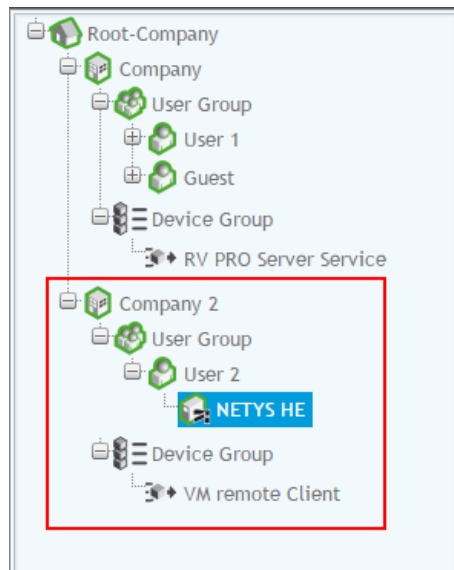
The screenshot shows the Device Group List interface with the following table:

	Company Name	Status	Name	GUID
<input type="checkbox"/>	Company	connect	RV PRO Server Service	9B30DDEC-A353-4637-8C1B-2163330130FB
<input type="checkbox"/>	Company	connect	VM remote Client	21213FF8-774B-4C43-974F-DC83CFF6F79E

### 13.3. CASE OF DIFFERENT COMPANIES, SITES OR LOCATIONS

The Device Group creation is the same as described above.

The new Device Group has to be created in the new company tree (Company 2), such as:



For this architecture, the Devices cannot be shared with Users from other Company.

User 2 sees only devices from Company 2

The screenshot shows the user interface with a tree view on the left and a 'Device List' table on the right. The tree view shows 'Company 2' with 'User 2' and 'NETYS HE' device. The 'Device List' table has the following data:

Device Name	Status	IP Address	MAC Address	Version
NETYS HE	connect	172.23.27.10	00e0d811744a	6.21

A red arrow points from the 'NETYS HE' device in the table to the 'User Account List Configuration' dialog box. The dialog box has the following fields:

- Active: ☒
- Company: Company 2
- Department: [empty]
- User Name: User 2
- Password: [empty]
- Confirm Password: [empty]
- Telephone: [empty]
- Mobile: [empty]
- E-mail: user2@socomec.com
- Address: [empty]
- User Level: Super User

At the bottom of the dialog box, there is a 'Device List' section with 'NETYS HE' and a 'Select Device' section with an empty list. There are arrows between these two sections and an 'Apply' button at the bottom right.



## 14. TRAP LIST

TRAP list defines the UPS events managed by *REMOTE VIEW PRO*, sent from UPS with TRAP 3 and 4, including WellKnownAlarmList OID. All events listed in TRAP table are stored in the RV Pro event log. Status or alarms not listed are not stored in RV Pro events log.

### 14.1. NET VISION 6 MIB FILE

upsAlarmBatteryBad	C	upsAlarmBatteryGeneralAlarm	C
upsAlarmOnBattery	W	upsAlarmOutputOver	W
upsAlarmLowBattery	W	upsAlarmOutputUnder	W
upsAlarmDepletedBattery	W	upsAlarmBypassGeneralAlarm	W
upsAlarmTempBad	W	upsAlarmStopForOverload	W
upsAlarmInputBad	W	upsAlarmImminentStop	C
upsAlarmOutputBad	W	upsAlarmModule1Alarm	W
upsAlarmOutputOverload	W	upsAlarmModule2Alarm	W
upsAlarmOnBypass	I	upsAlarmModule3Alarm	W
upsAlarmBypassBad	W	upsAlarmModule4Alarm	W
upsAlarmOutputOffAsRequested	W	upsAlarmModule5Alarm	W
upsAlarmUpsOffAsRequested	W	upsAlarmModule6Alarm	W
upsAlarmChargerFailed	W	upsAlarmExternalAlarm1	W
upsAlarmUpsOutputOff	W	upsAlarmExternalAlarm2	W
upsAlarmUpsSystemOff	W	upsAlarmExternalAlarm3	W
upsAlarmFanFailure	W	upsAlarmExternalAlarm4	W
upsAlarmFuseFailure	W	upsAlarmEService	C
upsAlarmGeneralFault	W	upsAlarmRedundancyLost	W
upsAlarmDiagnosticTestFailed	W	upsAlarmPeriodicServiceCheck	W
upsAlarmCommunicationLost	I	upsAlarmAllTransferDisabled	W
upsAlarmAwaitingPower	I	upsAlarmAutoTransferDisabled	W
upsAlarmShutdownPending	W	upsAlarmBatteryRoom	W
upsAlarmShutdownImminent	W	upsAlarmManualBypass	W
upsAlarmTestInProgress		upsAlarmBatteryDischarged	W
upsAlarmPowerSupplyFault		upsAlarmInsufficientResources	W
upsAlarmAuxMainFail	W	upsAlarmOptionalBoards	W
upsAlarmManualBypassClose	W	upsAlarmRectifierFault	W
upsAlarmShortCircuit	W	upsAlarmBoostFault	W
upsAlarmBatteryChargerFailure	W	upsAlarmInverterFault	W
upsAlarmInverterOverCurrent	W	upsAlarmParallelModuleFault	W
upsAlarmInverterDistorsion	W	upsAlarmGenSetGeneral	W
upsAlarmPrechargeVoltageFail	W	upsAlarmGenSetFault	W
upsAlarmBoostTooLow	W	upsAlarmEmergencyStopActive	W
upsAlarmBoostTooHigh	W	upsAlarmBatteryCircuitOpen	C
upsAlarmBatteryTooHigh	W	upsAlarmFansFailure	W
upsAlarmImproperCondition	W	upsAlarmPhaseRotationFault	W
upsAlarmOverloadTimeout	W	upsAlarmBypassFault	W
upsAlarmControlSystemFailure	C	upsAlarmA63	
upsAlarmDataCorrupted	W	upsAlarmModule7Alarm	W
upsAlarmPIIFault	W	upsAlarmModule8Alarm	W
upsAlarmInputGeneralAlarm	W	upsAlarmBatteryTemperature	W
upsAlarmRectifierGeneralAlarm	W	upsAlarmRecRedundancy	W
upsAlarmBoostGeneralAlarm	W	upsAlarmInvRedundancy	W
upsAlarmInverterGeneralAlarm	W		

## 14.2. RFC 1628

upsAlarmBatteryBad	C	upsAlarmChargerFailed	C
upsAlarmOnBattery	W	upsAlarmUpsOutputOff	W
upsAlarmLowBattery	W	upsAlarmUpsSystemOff	W
upsAlarmDepletedBattery	W	upsAlarmFanFailure	W
upsAlarmTempBad	W	upsAlarmFuseFailure	W
upsAlarmInputBad	W	upsAlarmGeneralFault	W
upsAlarmOutputBad	W	upsAlarmDiagnosticTestFailed	W
upsAlarmOutputOverload	W	upsAlarmCommunicationsLost	I
upsAlarmOnBypass	I	upsAlarmAwaitingPower	I
upsAlarmBypassBad	W	upsAlarmShutdownPending	W
upsAlarmOutputOffAsRequested	W	upsAlarmShutdownImminent	W
upsAlarmUpsOffAsRequested	W	upsAlarmTestInProgress	

## 14.3. NETVISION 7 TRAP LIST

upsTrapImminentStop	Critical	upsTrapPowerRestored	Information
upsTrapOverload	Warning	upsTrapAlarmCancelled	Information
upsTrapRedundancyLost	Warning	upsTrapComEstablished	Information
upsTrapBatteryCircuitOpen	Critical	upsTrapShutdownCancelled	Information
upsTrapBatteryDischarged	Critical	upsTrapAgentRestarting	Information
upsTrapBatteryLow	Critical	upsTrapEmdTempLow	Critical
upsTrapBatteryAlarm	Warning	upsTrapEmdTempNotLow	Information
upsTrapUpsCriticalAlarm	Critical	upsTrapEmdTempHigh	Critical
upsTrapLoadOFF	Critical	upsTrapEmdTempNotHigh	Information
upsTrapCommunicationLost	Critical	upsTrapEmdHumidityLow	Critical
upsTrapOnBatteryPower	Warning	upsTrapEmdHumidityNotLow	Information
upsTrapBatteryTestfailed	Warning	upsTrapEmdHumidityHigh	Critical
upsTrapTemperatureAlarm	Warning	upsTrapEmdHumidityNotHigh	Information
upsTrapOnBypass	Warning	upsTrapEmdFirstInputActive	Critical
upsTrapUpsPreventiveAlarm	Warning	upsTrapEmdFirstInputRestored	Information
upsTrapShutdownWarning	Warning	upsTrapEmdSecondInputActive	Critical
upsTrapShutdownrequest	Warning	upsTrapEmdSecondInputRestored	Information
upsTrapUpsNormal	Information		

## 14.4. STS TRAP LIST

stsTrapImminentStop	SEVERE
stsTrapOverload	SEVERE
stsTrapSwitchOnPreferredSource	INFORMATION
stsTrapSwitchOnAlternateSource	WARNING
stsTrapSource1PreferredSource	INFORMATION
stsTrapOutputLoadOFF	SEVERE
stsTrapGeneralAlarm	WARNING
stsTrapAlarmCancelled	INFORMATION

## 14.5. STATYS XS TRAP LIST







ATS Alarm	WARNING
Source A Voltage Abnormal	WARNING
Source B Voltage Abnormal	WARNING
Source A Frequency Abnormal	WARNING
Source B Frequency Abnormal	WARNING
Output Overload	SEVERE
Unit fault (Working power A abnormal)	SEVERE
Unit fault (Working power B abnormal)	SEVERE
Cabinet over temperature	WARNING
Unit fault (Sensor circuit abnormal)	SEVERE
Unit fault (EEPROM data abnormal)	SEVERE
LCD panel connection abnormal	SEVERE
Overload time out, Output off, Reset needed	SEVERE
Phase difference between resources exceed user defined value, Output off, Reset needed	SEVERE
User defined load pre-alarm	WARNING

## 15. ICONS DEFINITION































### 15.1. UPS STATUS

	ICONS	COLOUR	DESCRIPTION	REASON
SOCOMECS UPS  Using NET VISION MIB File		Blinking Blue	Disconnected	The device is no longer connected to network
		Blinking Magenta	Config-fail	The SNMP receiver TRAP table has not been updated or bad read/write community
		Blinking Red	Critical event	Critical TRAP received
		Blinking Yellow	Warning event	Warning TRAP received
		Cyan	Info event	Info TRAP or alarm removed TRAP received
		Green	All events have been acknowledged	No more events to be acknowledged (normal)
GENERIC UPS  Using RFC1628 (including NETYS RT)		Blinking Blue	Disconnected	The device is no longer connected to network
		Blinking Magenta	Config-fail	The SNMP receiver TRAP table has not been updated or bad read/write community
		Blinking Red	Critical event	Critical TRAP received
		Blinking Yellow	Warning event	Warning TRAP received
		Cyan	Info event	Info TRAP or alarm removed TRAP received
		Green	All events have been acknowledged	No more events to acknowledged (normal)

### 15.2. STS AND STATYS XS STATUS

	ICONS	COLOUR	DESCRIPTION	REASON
		Blinking Blue	Disconnected	The device is no longer connected to network
		Blinking Magenta	Config-fail	The SNMP receiver TRAP table has not been updated or bad read/write community
		Blinking Red	Critical event	Critical TRAP received
		Blinking Yellow	Warning event	Warning TRAP received
		Cyan	Info event	Info TRAP or alarm removed TRAP received
		Green	All events have been acknowledged	No more events to be acknowledged (normal)

### 15.3. TREE ICONS

Root-company	Company	User group	User	Group of UPS	
					One of UPS Disconnected
					One of UPS Config-fail
					One of UPS Critical event
					One of UPS Warning event
					One of UPS Info event
					All events have been acknowledged



# Socomec: our innovations supporting your energy performance

**1** independent manufacturer

**3,200** employees  
worldwide

**10** % of sales revenue  
dedicated to R&D

**400** experts  
dedicated to service provision

## Your power management expert



POWER  
SWITCHING



POWER  
MONITORING



POWER  
CONVERSION



EXPERT  
SERVICES

## The specialist for critical applications

- Control, command of LV facilities
- Safety of persons and assets
- Measurement of electrical parameters
- Energy management
- Energy quality
- Energy availability
- Energy storage
- Prevention and repairs
- Measurement and analysis
- Optimisation
- Consultancy, commissioning and training

## A worldwide presence

**8** production sites

- France (x3)
- Italy
- Tunisia
- India
- China (x2)

**27** subsidiaries

- Australia • Belgium • China • France
- Germany • India • Italy • Netherlands
- Poland • Romania • Singapore
- Slovenia • Spain • Switzerland • Thailand
- Tunisia • Turkey • UK • USA

**80** countries

where our brand is distributed

### HEAD OFFICE

#### SOCOMEK GROUP

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