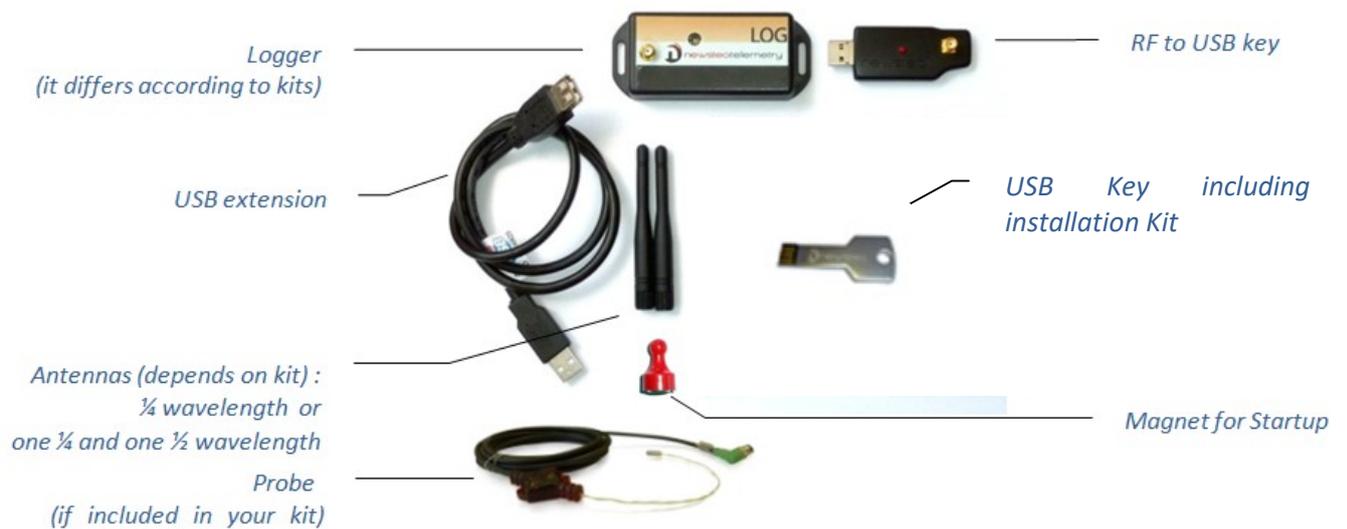


## *Install RFM Gold and Wampserver*



### Purpose:

Guide for NEWSTEO Collector database hosting:

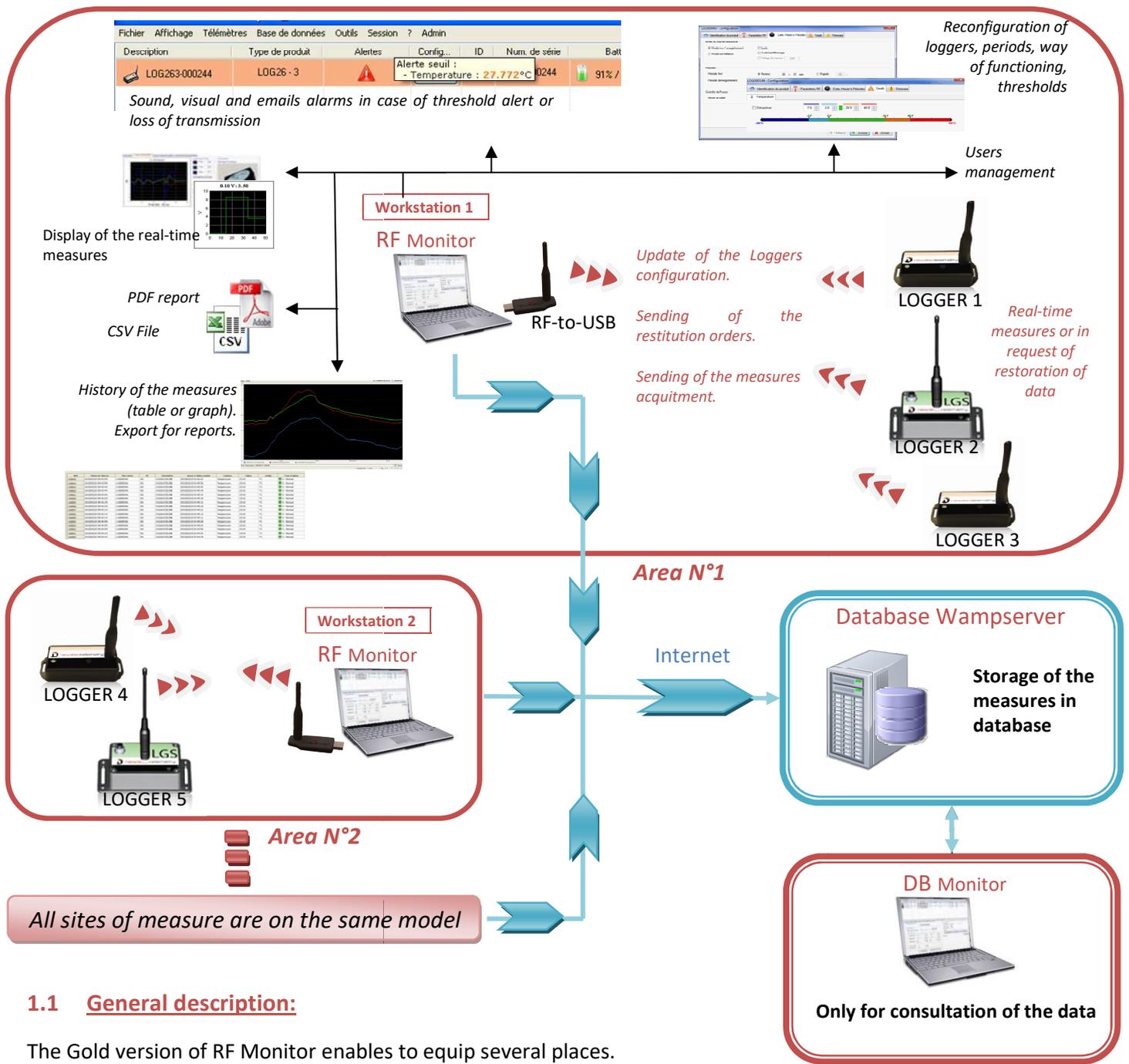
- When the hosting is done on the server of the customer
- With a NEWSTEO DB Monitor interface

### Technical Assistance:

For any question, remark or suggestion concerning this product, please contact your retailer.

<b>1</b>	<b>OVERVIEW OF A PARK RF MONITOR GOLD</b> .....	<b>3</b>
1.1	GENERAL DESCRIPTION: .....	3
1.2	OPERATING MODE FOR LOGGERS.....	4
<b>2</b>	<b>BEFORE THE INSTALLATION</b> .....	<b>5</b>
2.1	IMPORTANT REMARKS BEFORE THE INSTALLATION.....	5
2.2	ANTENNA ASSEMBLY .....	5
<b>3</b>	<b>CREATE YOUR DATABASE WAMPSEVER</b> .....	<b>5</b>
3.1	STOP MYSQL SERVICE (IF YOU WERE USING THE RF MONITOR SOFTWARE) .....	5
3.2	WAMPSEVER INSTALLATION .....	6
3.2.1	<i>Install Wampserver from your installation CD</i> .....	6
3.2.2	<i>Create your Database</i> .....	10
3.2.3	<i>Mail Server configuration for collectors</i> .....	11
3.3	PLANNIFICATION OF THE TASKS WINDOWS.....	12
3.3.1.1	Test the presence of the COL.....	12
3.3.1.2	Automatic generation of reports .....	14
3.3.1.3	Backup of the database .....	16
<b>4</b>	<b>INSTALL AND START RF MONITOR</b> .....	<b>21</b>
4.1	INSTALL RF MONITOR (NEWSTEO KIT).....	21
4.2	CONNECT RF MONITOR TO YOUR DATABASE .....	23
<b>5</b>	<b>START YOUR LOGGERS AND USE RF MONITOR</b> .....	<b>24</b>
5.1	START THE LOGGERS .....	25
5.2	CONFIGURE YOUR LOGGER.....	25
5.2.1	<i>Configure the Identification</i> .....	26
5.2.2	<i>Configure the channel – RF settings</i> .....	26
5.2.3	<i>Configure the period of measure and/or change Mode– Time &amp;Period</i> .....	27
5.2.4	<i>Configure the thresholds</i> .....	29
5.3	USER MANAGEMENT .....	29
<b>6</b>	<b>ANNEXE – YOU CAN’T REMEMBER YOU IP ADDRESS</b> .....	<b>33</b>

# 1 Overview of a park RF Monitor Gold



## 1.1 General description:

The Gold version of RF Monitor enables to equip several places.

In each measure site, you need to install RF Monitor on a computer in order to:

- Manage the user rights on the software
- Configure periods of measure, thresholds, and alarms on the loggers
- Configure the way of functioning (See. Page 4)
- Display measures, generate CSV or PDF files
- Gather measures from loggers related to this site (via a RF-to-USB key)
- Fill the remote database (Newsteo plateforme)

It is possible to access the database using the DB Monitor software supplied. Consultation stations are not equipped with RF-to-USB key or loggers, they show only the data from the database. It is also possible to display the measurements via the web application WebMonitor.

Attention, the Webmonitor web application does manage different users' rights. Any user who connects gets all rights.

## 1.2 Operating Mode for loggers

The loggers are configured by default in **“Monitoring” mode**. They could be configured in **“Live/Record” mode** (Cf. ).

**Measures** received by the software RF Monitor **can be stored in CSV files**, in the **database** or in a **PDF reports** (for the Record Mode). By default, all way of storing data are activated. Whatever is the operating mode of the logger, the stored measures will be **time/date stamped**.

The choice of the mode will depend on the application type:

- **Monitoring Mode:** This concerns the applications of real-time **Monitoring** with the **control of the measures**, where all the **measurement history must be preserved**. Thanks to an embedded memory in each logger, the transmission of all data is guaranteed even in case of a cut off of transmission. The Monitoring Mode enables **to visualize measures and to trace alerts in real-time**.

Exemple of application: Supervision of temperature in a warehouse.

Operating principle:

- The logger takes measures in the configured period (10s default) and sends it to the PC, with acknowledgment of receipt.
- If there is no acknowledgment of receipt for the measure by the RF-to-USB key (key not connected, PC power-off, RF-Monitor not running, communication problem...), the logger records the measure in its memory buffer (up to 32000 measures). Once communication is restored, the measures buffers are automatically sent by the logger to the PC.
- RF Monitor displays the measure, records it in the remote database, and gives alert if it is outside defined thresholds (audio, email, SMS, switching relay ...)

- **“Live/Record” Mode:** It is used for **measurement campaigns with consultation/treatment of data a-posteriori, without possibility of tracing the real-time alerts**. “Live” mode allows you to check the operation of the logger and “Record” mode corresponds to the registration campaign measures.

Exemple of application: Data logger for measuring temperature, humidity and shock for the transport of goods (museums - paintings, aviation, transport measuring benches, refrigerated foods ...)

Operating principle:

- **Start : in ‘Live’ Mode**, the logger takes any action in the Live period set (10 sec default), and sends it to the PC. RF Monitor displays the measurements without recording them. The user can control the operation of the Logger. He can set alert thresholds and set the measurement period required for the measurement campaign to come.
- **The user then selects 'record' mode** to start its measurement campaign.  
During this recording campaign:
  - Every minute, the logger sends a presence signal to indicate its state, alerts and the number of measurements in memory.
  - The logger takes its measurements according to the 'record' period (10 minutes by default) and saves them systematically in its memory.
- **At the end of the measurement campaign, the user stops the recording**, and the logger goes to 'Live' mode. From then on, the user can retrieve all the measures of the campaign on his PC by performing a single restitution.

The measurements are then downloaded and stored in the remote database. Only one logger can record multiple campaigns in a row.

## 2 Before the installation

### 2.1 Important remarks before the installation

- You must have a fixed IP address
- Ensure that the Windows firewall will not block the HTTP port (default 80) and the SQL port (3306 by default).
- It is important to be **administrator** of the machine to install WampServer
- The installation must be performed by the network administrator
- **IF BEFORE YOU WERE USING THE RF MONITOR GOLD SOFTWARE**, it is necessary to stop the MySQL service
- We recommend the use of **Google Chrome**
- **Not fully compatible with Internet Explorer**

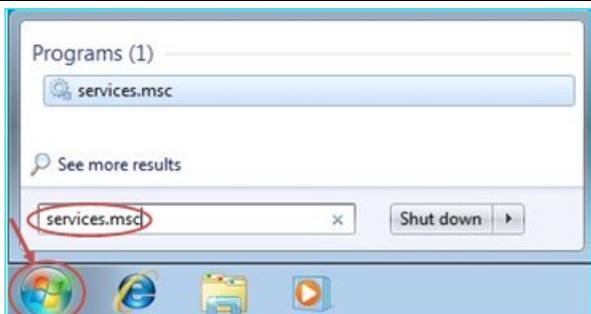
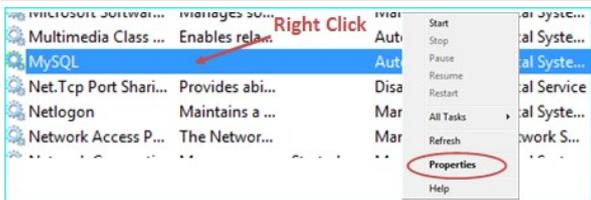
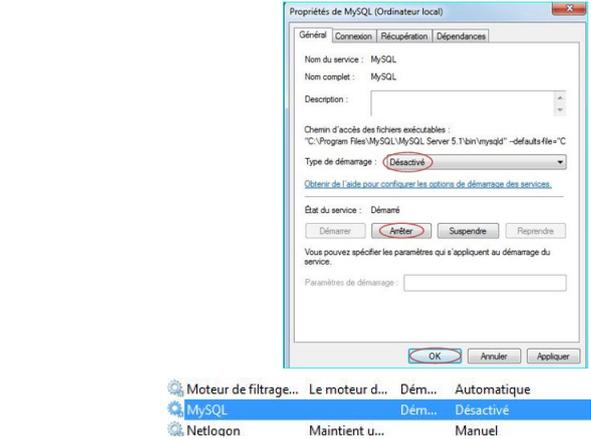
### 2.2 Antenna assembly

**Manually Screw the antennas**, one on the Logger (small one: 1/4 wavelength or big one: 1/2 wavelength depends on kits) and the other one on the RF to USB key (small one: 1/4 d'onde). **Manually Connect the probes** (if it is needed for your products).

The level of tightness of the product is valid only if the probes and antennas are properly tightened (seals crushed). **HOWEVER DO NOT USE A TOOL TO SCREW THE ANTENNAS AND THE PROBES**

## 3 Create your Database Wampserver

### 3.1 Stop MySQL service (If you were using the RF Monitor software)

<ul style="list-style-type: none"> <li>- Start the service manager : <b>services.msc</b></li> <li>- Enter <b>services.msc</b> in the Starting menu</li> <li>- Press <b>[Entrer]</b></li> </ul>	 <p>The screenshot shows a Windows search window with 'services.msc' entered in the search bar. The search results list 'services.msc' as the only item. A red circle highlights the search bar and the search results.</p>
<ul style="list-style-type: none"> <li>- Right click on <b>MySQL</b> then click <b>Properties</b></li> </ul>	 <p>The screenshot shows the Windows Services console. The 'MySQL' service is selected. A right-click context menu is open over it, with the 'Properties' option highlighted by a red circle. A red arrow points to the 'Right Click' action.</p>
<ul style="list-style-type: none"> <li>- Change the Startup type :</li> <li>- Change « Automatic » to « <b>Deactivated</b> »</li> <li>- Click on <b>Stop</b></li> <li>- Click on <b>OK</b></li>   <li>- The MySQL service state is now « Deactivated »</li> <li>- Close Management Services window</li> </ul>	 <p>The screenshot shows the 'Propriétés de MySQL' dialog box. The 'Type de démarrage' (Startup type) is set to 'Désactivé' (Deactivated). The 'Etat du service' (Service status) is 'Démarré' (Running). The 'Arrêter' (Stop) button is highlighted with a red circle. The 'MySQL' service is selected in the taskbar at the bottom.</p>

### 3.2 Wampserver installation

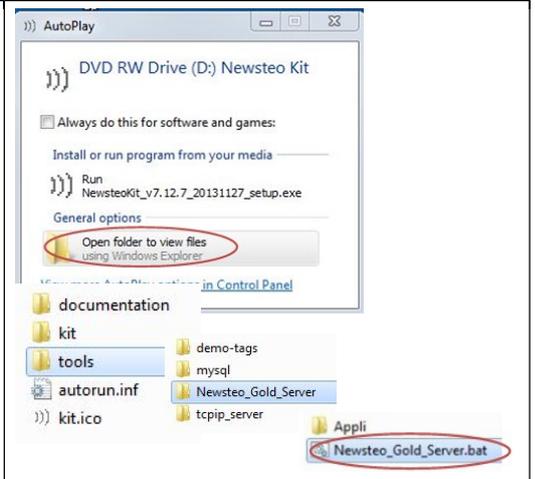
#### 3.2.1 Install Wampserver from your installation CD

Insert your installation CD in the reader and click on:

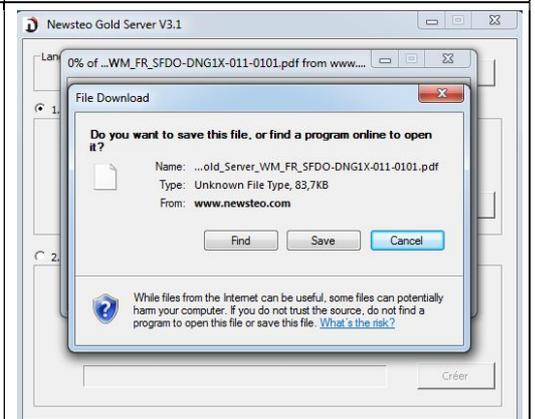
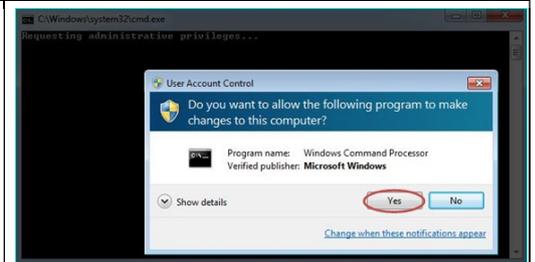
- **Open folder to view files**

Open :

- **Tools\Newsteo\_Gold\_Server**
- Double Click on **Newsteo\_Gold\_Server.bat** to start the installation



Click **Yes**



**Select the language** to perform the installation

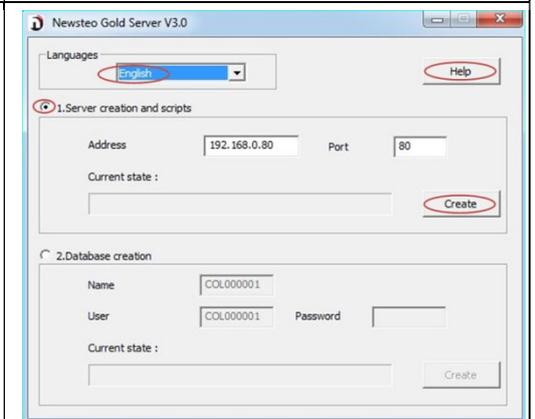
At starting, the user guide of the collector is automatically opened  
You can also get **the user guide** by clicking on **Help**

The IP address of your computer is automatically detected.

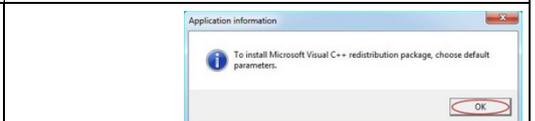
First create the Server by selecting **Server Creation**

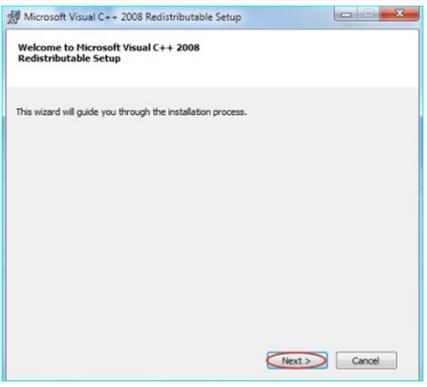
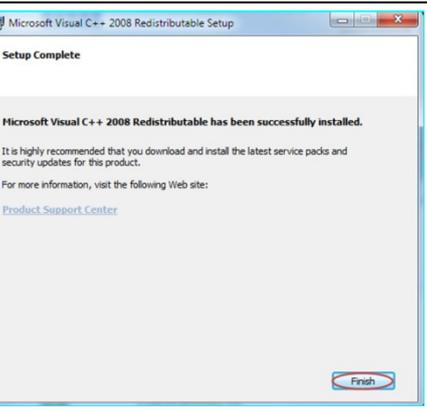
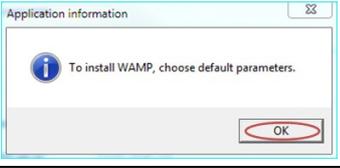
Click **Create**

... wait ...

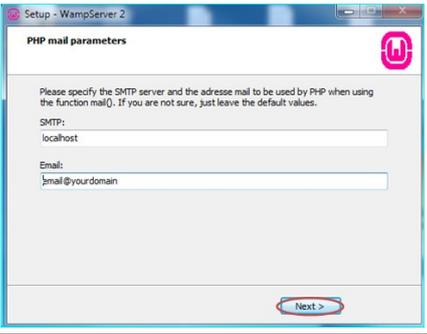
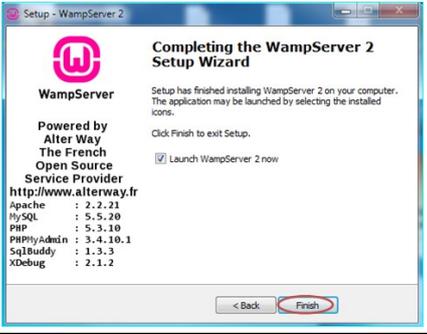
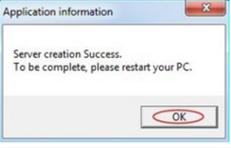
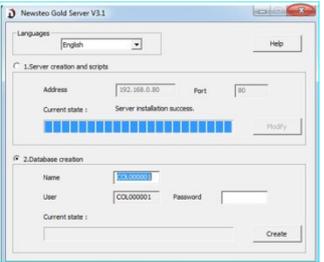


Click **OK**



<p>Then Keep all the default parameters except for the options “Create a quick launch icon” and “Create a desktop icon” Accept the agreement when needed</p> <p>Click <b>Next</b></p>	 <p>The screenshot shows the 'Welcome to Microsoft Visual C++ 2008 Redistributable Setup' dialog box. It contains a 'Next &gt;' button and a 'Cancel' button. The text inside says 'This wizard will guide you through the installation process.'</p>
<p>Select <b>I have read and accept the license terms</b></p> <p>Click <b>Install</b></p>	 <p>The screenshot shows the 'License Terms' screen. It displays the 'MICROSOFT SOFTWARE LICENSE TERMS' for 'MICROSOFT VISUAL C++ 2008 RUNTIME LIBRARIES (X86, IA64 AND X64)'. At the bottom, there is a checkbox labeled 'I have read and accept the license terms.' which is checked. There are 'Back', 'Install &gt;', and 'Cancel' buttons.</p>
<p>Click <b>Finish</b></p>	 <p>The screenshot shows the 'Setup Complete' screen. It states 'Microsoft Visual C++ 2008 Redistributable has been successfully installed.' and provides a link to the 'Product Support Center'. A 'Finish' button is at the bottom right.</p>
<p>Click <b>OK</b></p> <p>... Wait ...</p>	 <p>The screenshot shows an 'Application information' dialog box with an information icon and the text 'To install WAMP, choose default parameters.' and an 'OK' button.</p>
<p>Click <b>Next</b></p>	 <p>The screenshot shows the 'Welcome to the WampServer 2 Setup Wizard' dialog box. It lists the components being installed: Apache 2.2.21, MySQL 5.5.20, PHP 5.3.10, PHPMyAdmin 3.4.10.1, SqlBuddy 1.3.3, and XDebug 2.1.2. There are 'Next &gt;' and 'Cancel' buttons.</p>

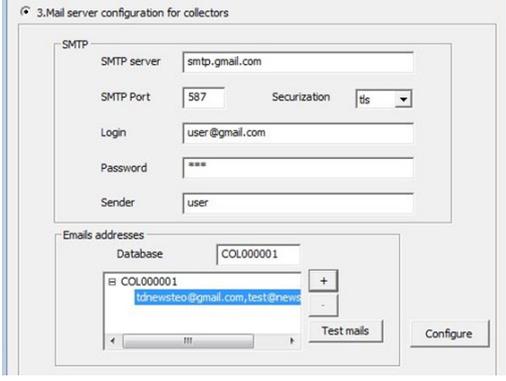
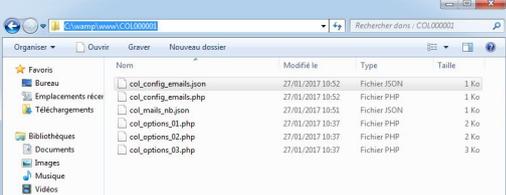
<p>Select <b>I accept this agreement</b></p> <p>Click <b>Next</b></p>	
<p>Click <b>Next</b></p>	
<p>Select <b>Create a quick launch icon</b></p> <p>Select <b>Create a desktop icon</b></p> <p>Click <b>Next</b></p>	
<p>Click <b>Install</b></p> <p>...Wait ...</p>	
<p><b>Choose your default browser</b></p> <p>If you are not sure, just click <b>Open</b></p>	

<p>Click <b>Next</b></p>	
<p>Click <b>Finish</b></p> <p>... Wait ... .. Wait ... .. Wait ...</p>	
<p>Click <b>OK</b></p>	
<p>Click <b>[X]</b> to close the windows</p> <p><b>Restart your computer</b></p>	

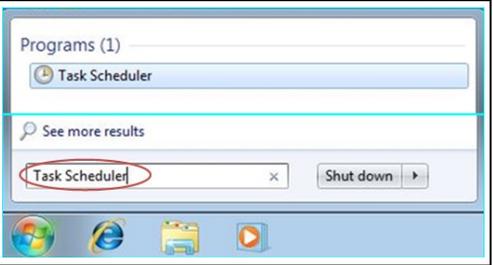
### 3.2.2 Create your Database

<p>Open-close your CD reader and click on:</p> <ul style="list-style-type: none"> <li>• <b>Open folder to view files</b></li> </ul> <p>Open :</p> <ul style="list-style-type: none"> <li>• <b>Tools\Newsteo_Gold_Server</b></li> <li>• Double Click on <b>Newsteo_Gold_Server.bat</b> to start the installation</li> </ul>	
<p>If the installation doesn't start automatically:</p> <ul style="list-style-type: none"> <li>• Open the directory Kit of your installation CD</li> <li>• Double Click on <b>Newsteo_Gold_Server.bat</b> to start the installation</li> </ul>	
<p>Click <b>Yes</b></p>	
<p>You can save the user guide on your computer</p>	
<p>Newsteo recommend you to archive your Wamp server. Click <b>Yes</b></p> <p>... Wait ... .. Wait ... .. Wait ...</p>	
<p>Accept the update of your scripts Click <b>Yes</b></p> <p>... Wait ... .. Wait ... .. Wait ...</p>	
<p><b>Select the language</b> to perform the installation At starting, the user guide of the collector is automatically opened You can also get <b>the user guide</b> by clicking on <b>Help</b></p> <p>Select <b>Database creation</b></p> <p>Enter a <b>Name</b> <input type="text"/> and a <b>Password</b> <input type="password"/></p> <p><b>Remember also the IP Address</b> <input type="text"/></p> <p>Click <b>Create</b></p> <p>...Wait ... ..Wait ... ..Wait ...</p>	
<p>Once the database is created, you get the message : <b>Creation of Database COLxxxxxx OK</b> in the first tab of your browser</p>	
<p>Click <b>[X]</b> to close the windows</p> <p>or</p> <p>Configure the email (see <a href="#">3.2.3 Overview of a park RF Monitor Gold</a>)</p>	

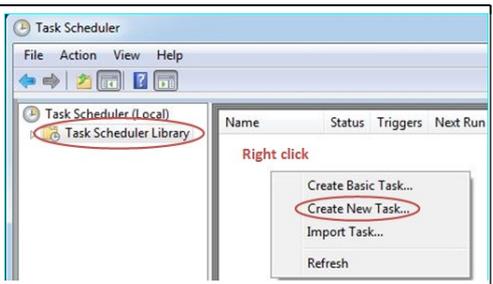
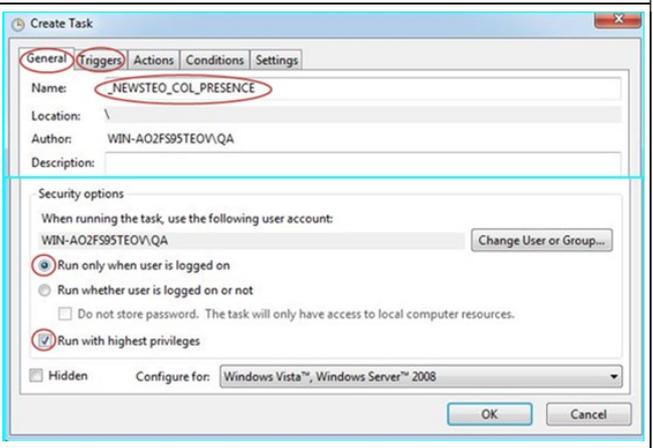
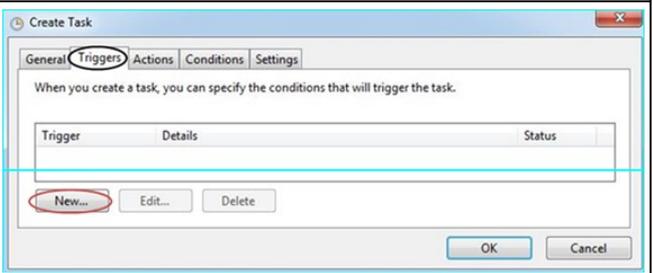
### 3.2.3 Mail Server configuration for collectors

<p>Select <b>Mail Server Configuration for collectors</b></p> <p>Please contact your network administrator to configure the SMTP parameters</p> <p>Enter the name of your database in the database field</p> <p>Verify that the serial number of your COL is correct and modify it if necessary in the email configuration Window</p> <p>Enter also the recipient email address for this COL.</p> <p>For several recipient, separate the email addresses by a comma.</p>	
<p>If you have several collectors, click on [+] to add a COL in the list and enter the recipient email addresses for this COL.</p> <p>Click on <b>Test mails</b></p>	
<p>Click <b>OK</b></p> <p>Verify your emails box</p>	
<p>Click on <b>Configure</b></p>	
<p>You can verify that the configuration file has been created in : C:/wamp/www/COLxxxxxx/col_config_emails.json</p>	
	

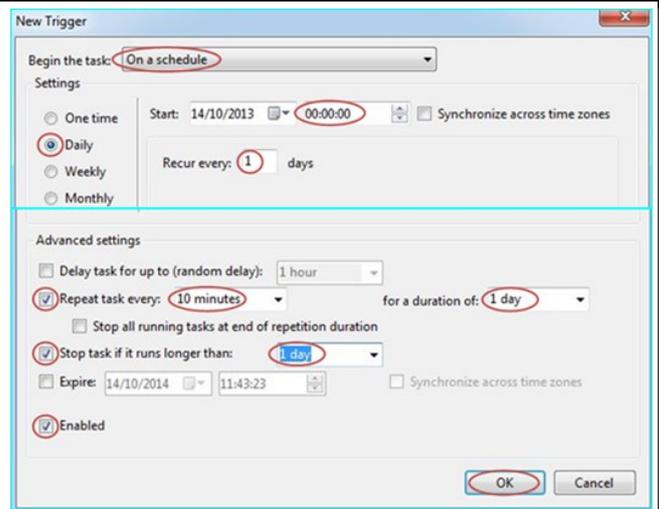
### 3.3 Plannification of the tasks WINDOWS

<p>Click <b>WINDOWS</b> icon</p> <p>Enter the command: <b>Task Scheduler</b></p> <p>Press <b>Enter</b></p>	
--	---

#### 3.3.1.1 Test the presence of the COL

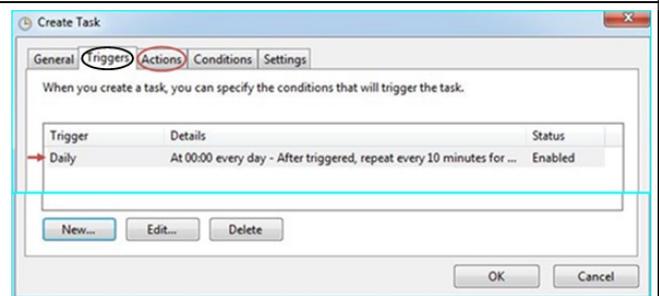
<p>Select <b>Task Scheduler Library</b></p> <p><b>Right click</b> in the main screen</p> <p>Click <b>Create New Task ...</b></p>	
<p>In the <b>General</b> Tab, enter the name of the task: <b>_NEWSTEO_COL_PRESENCE</b></p> <p>Select the options as on the opposite screen shot</p> <p>Click the Tab <b>Triggers</b></p>	
<p>In the <b>Triggers</b> Tab, click <b>New</b></p>	

Select the options as on the opposite screen shot



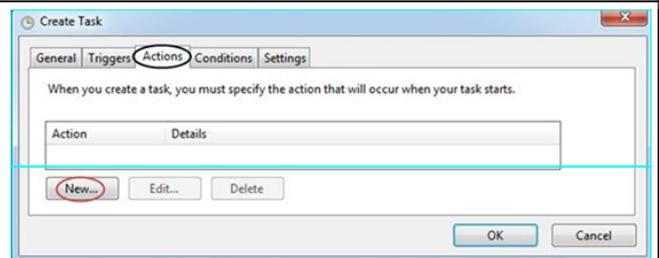
Click **OK**

The details of the triggers appear now in the window **Triggers** →

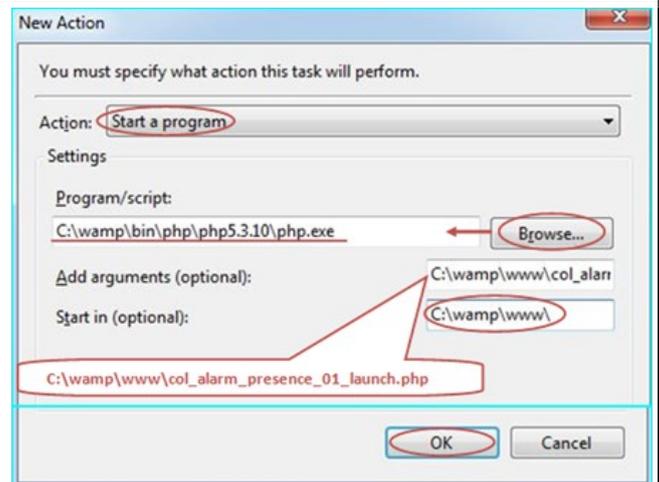


Click the Tab **Actions**

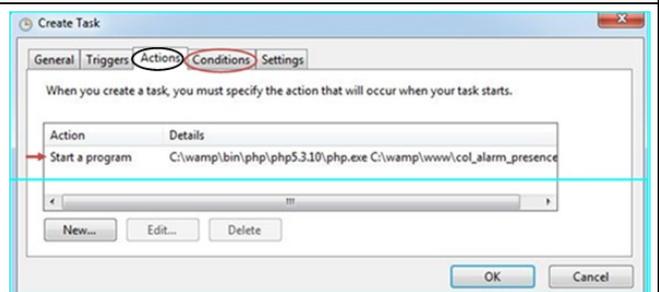
In the **Actions** Tab, click **New**



Complete the window as on the opposite screen shot



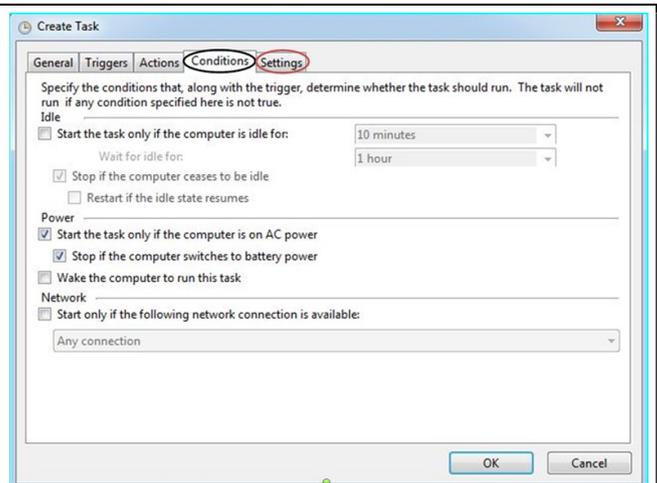
The details to start the program appear now in the window **Actions** →



Click the Tab **Conditions**

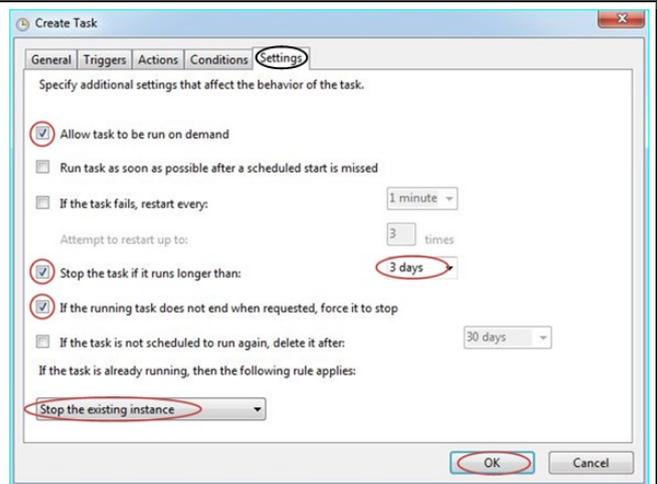
You shouldn't have to modify anything in this window. Just **verify** that you have **the same thing as on the opposite screen shot.**

Click the Tab **Settings**

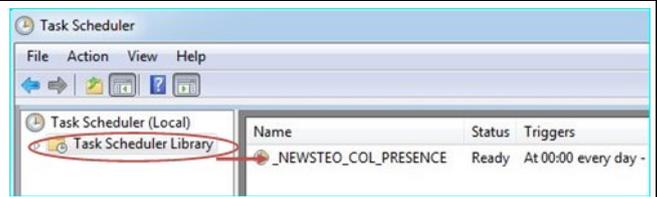


Complete the window as on the opposite screen shot

Click **OK**



The Task **\_NEWSTEO\_COL\_PRESENCE** appears now in the window **Task scheduler.**

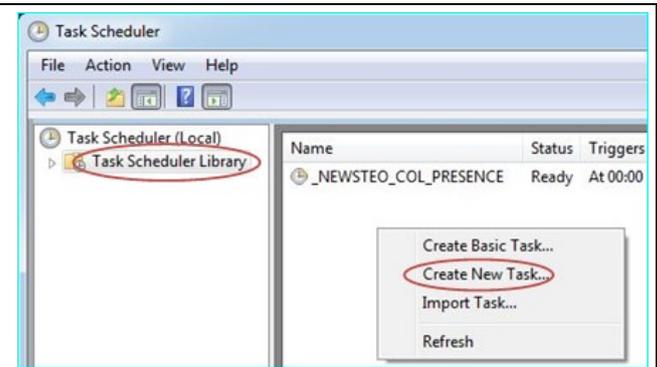


### 3.3.1.2 Automatic generation of reports

Select **Task Scheduler Library**

**Right click** in the main screen

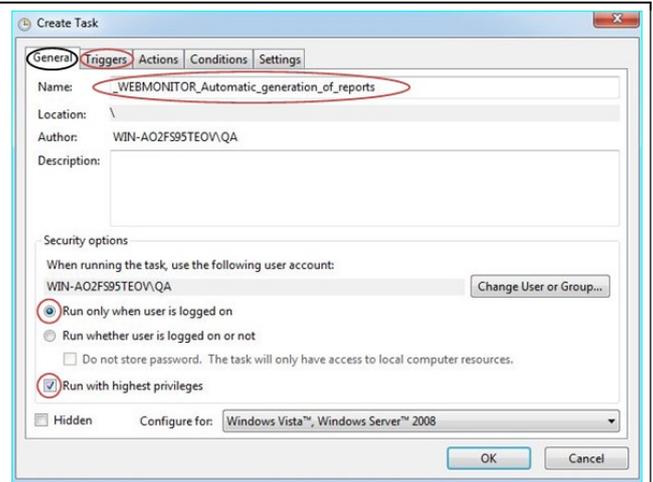
Click **Create New Task ...**



In the **General** Tab, enter the name of the task:  
**\_WEBMONITOR\_Automatic\_Generation\_of\_reports**

Select the options as on the opposite screen shot

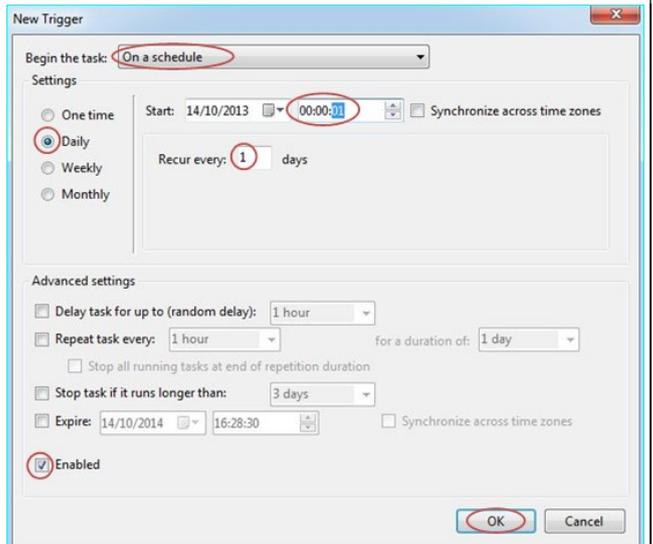
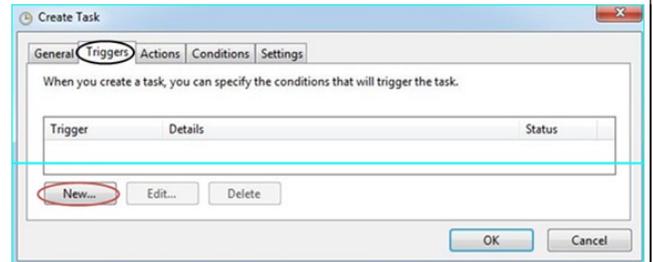
Click the Tab **Triggers**



In the **Triggers** Tab, click **New**

Select the options as on the opposite screen shot

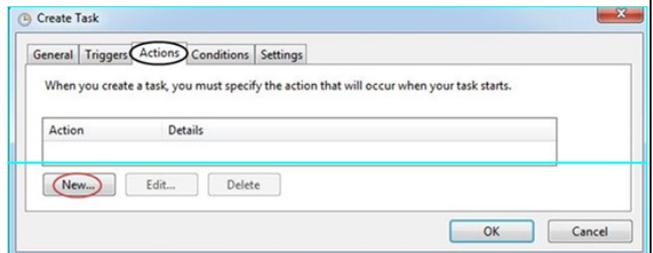
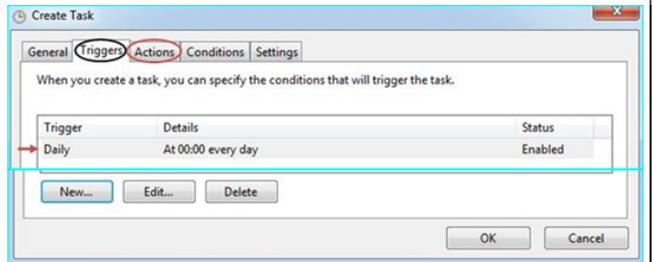
Click **OK**



The details of the triggers appear now in the window **Triggers** →

Click the Tab **Actions**

In the **Actions** Tab, click **New**



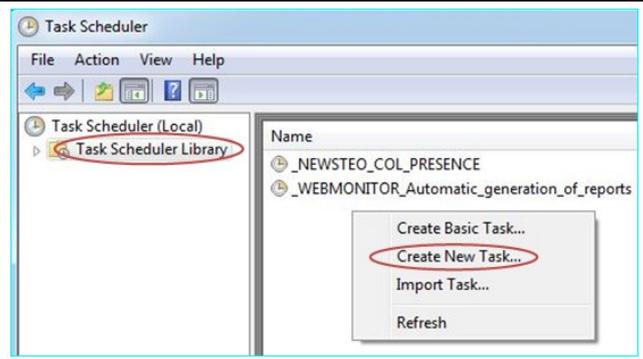
<p>Complete the window as on the opposite screen shot</p>	
<p>The details to start the program appear now in the window <b>Actions</b> →</p>	
<p>Click the Tab <b>Conditions</b></p> <p>You shouldn't have to modify anything in this window. Just <b>verify</b> that you have <b>the same thing as on the opposite screen shot.</b></p>	
<p>Click the Tab <b>Settings</b></p> <p>You shouldn't have to modify anything in this window. Just <b>verify</b> that you have <b>the same thing as on the opposite screen shot.</b></p>	
<p>Click <b>OK</b></p> <p>The Task <b>_WEBMONITOR_Automatic_Generation_of_reports</b> appears now in the window <b>Task scheduler</b>.</p>	

3.3.1.3 Backup of the database

Select **Task Scheduler Library**

Right click in the main screen

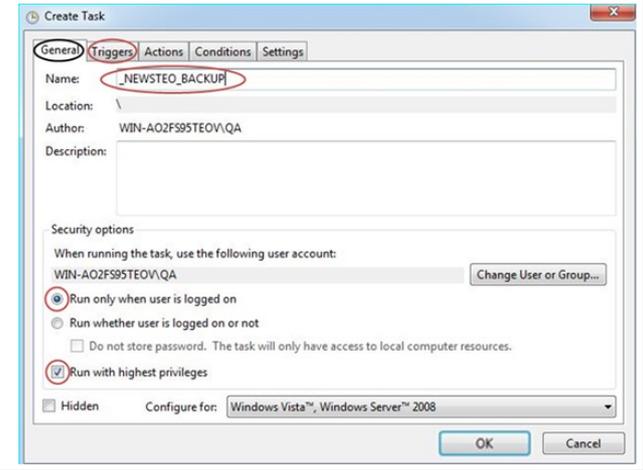
Click **Create New Task ...**



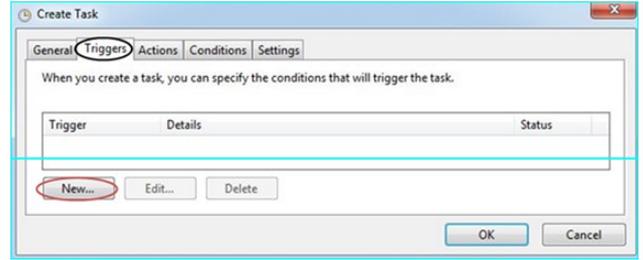
In the **General** Tab, enter the name of the task: **\_NEWSTEO\_BACKUP**

Select the options as on the opposite screen shot

Click the Tab **Triggers**

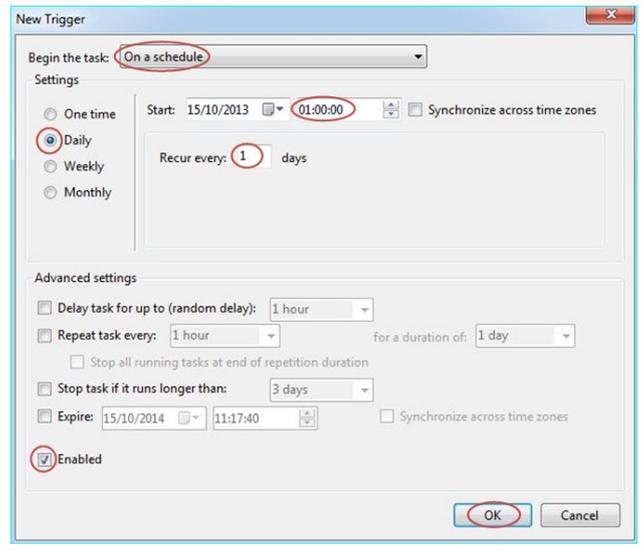


In the **Triggers** Tab, click **New**



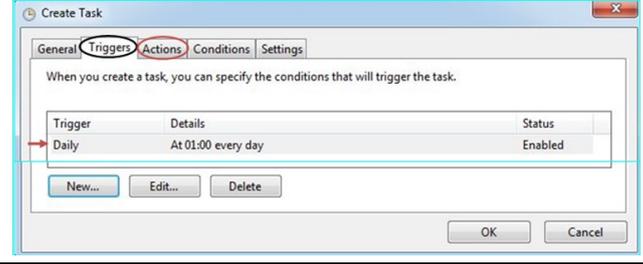
Select the options as on the opposite screen shot

Click **OK**



The details of the triggers appear now in the window **Triggers** →

Click the Tab **Actions**

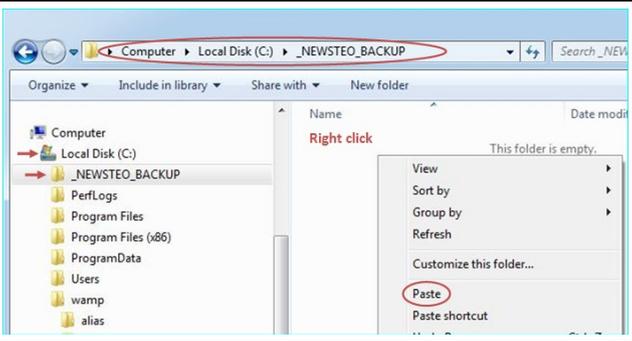


<p>In the <b>Actions</b> Tab, click <b>New</b></p>	
<p>Open a <b>Windows Explorer</b></p>	
<p>Select <b>Local Disk (C:)</b></p> <p>Click <b>New folder</b></p> <p>Rename the folder into <b>_NEWSTEO_BACKUP</b></p>	
<p>Select <b>Local Disk (C:)\wamp\www</b></p> <p>Right click on the file <b>_Newsteo_backup.bat</b></p> <p>Click <b>Copy</b></p>	

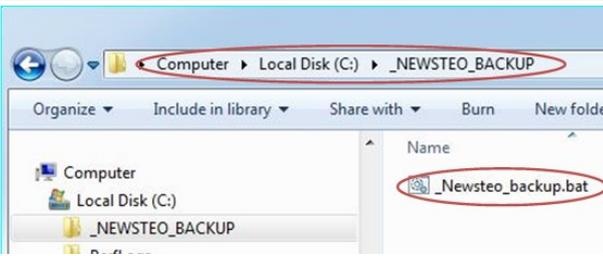
Select **Local Disk (C:)\\_NEWSTEO\_BACKUP**

**Right click in the main screen**

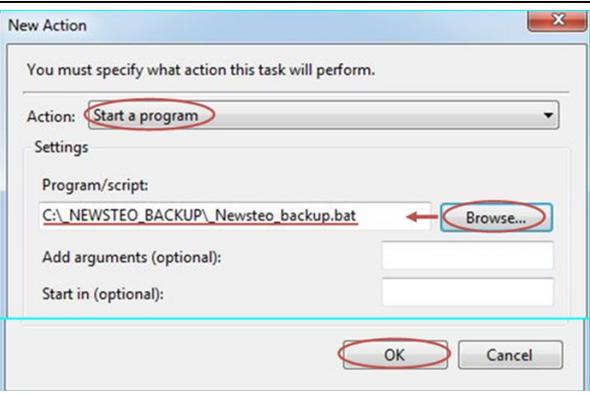
Click **Paste**



The **\_Newsteho\_backup.bat** appears now in the directory **(C:)\\_NEWSTEO\_BACKUP**



**Complete the window as on the opposite screen shot**

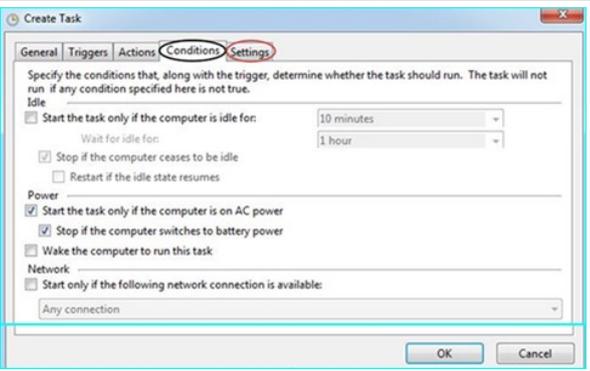


The details to start the program appear now in the **Actions** window →



Click the Tab **Conditions**

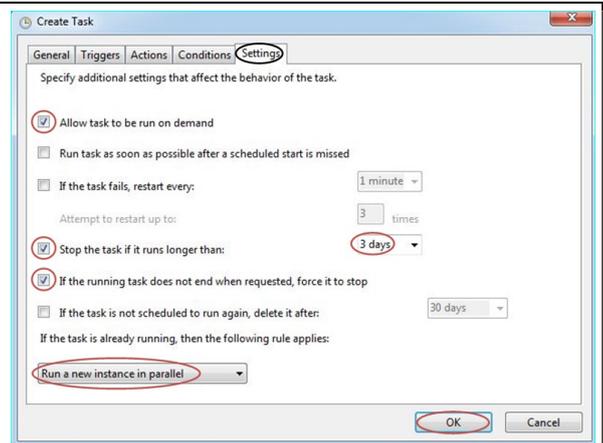
You shouldn't have to modify anything in this window. Just **verify** that you have **the same thing as on the opposite screen shot.**



Click the Tab **Settings**

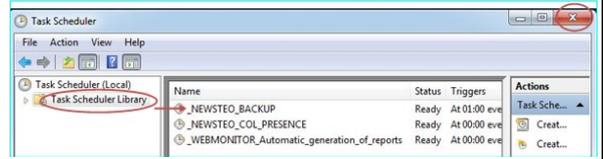
Complete the window as on the opposite screen shot

Click **OK**



The Task **\_NEWSTEO\_BACKUP** appears now in the **Task scheduler** window.

Close the window **Task Scheduler**



## 4 Install and start RF Monitor

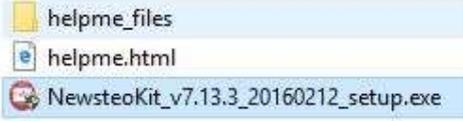
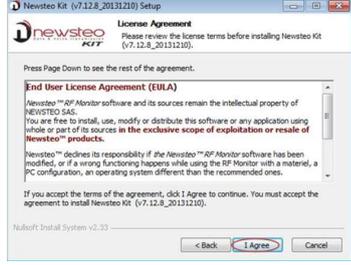
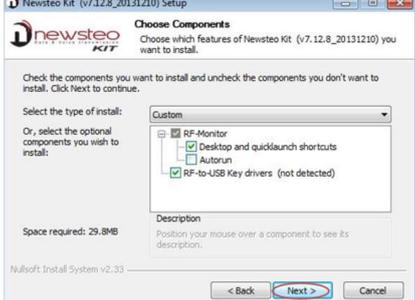
If you were using the RF Monitor software before this installation, refer directly to paragraph 2

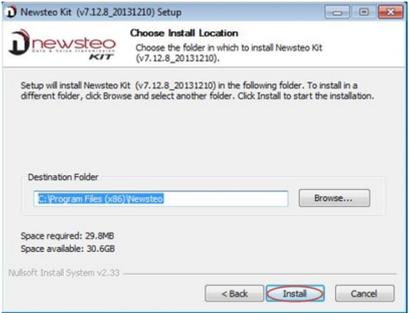
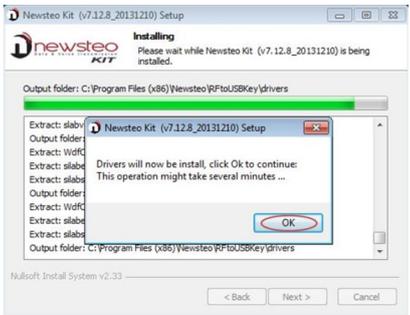
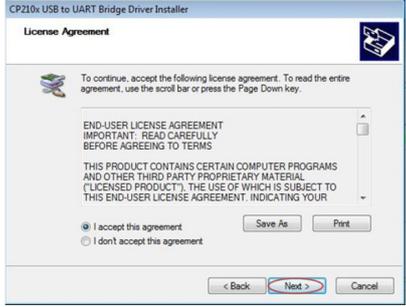
This **installation** concerns the **WORKSTATION N°1** located on the first area of measures. The following steps **have to be repeated for each new workstation (you have one workstation per RF-to-USB KEY)** (Cf. *1 Overview of a park RF Monitor Gold*)



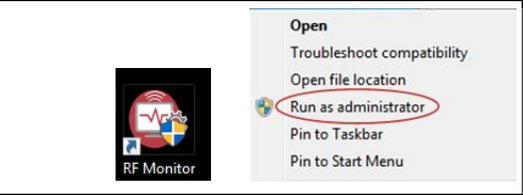
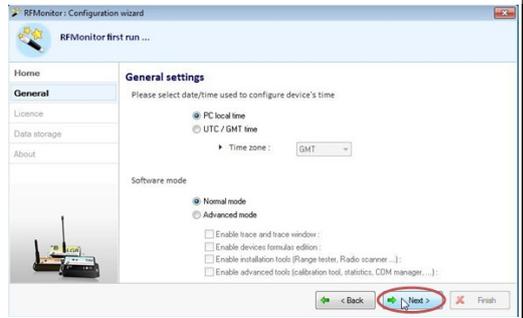
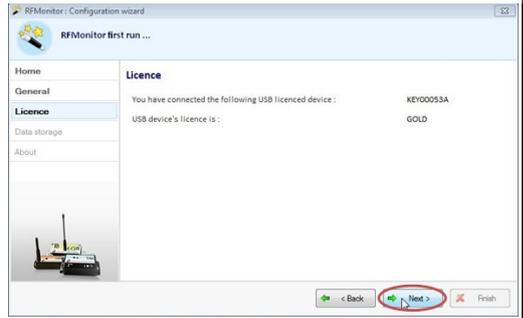
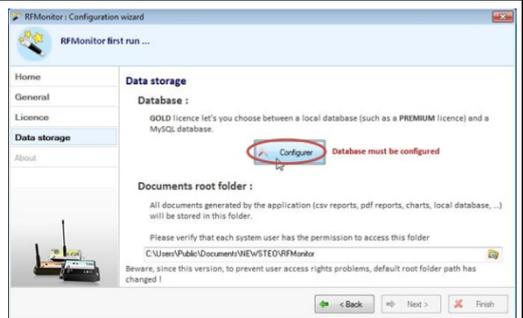
**DO NOT CONNECT THE RF-TO-USB KEY BEFORE THE REQUEST**

### 4.1 Install RF Monitor (Newsteo Kit)

<p>Insérer la clé USB Newsteo</p> <p>Double Cliquer sur :</p> <p><b>NewsteoKit_vx.x.x_aaaammjj_setup.exe</b></p> <p>Ou télécharger <b>Newsteokit_vx.xx.x_yyyymmdd_setup.zip</b> à partir de:  <a href="http://support.newsteo.com/customer/en/portal/articles/1133777-rf-monitor---installation---mise-%C3%A0-jour---logiciel">http://support.newsteo.com/customer/en/portal/articles/1133777-rf-monitor---installation---mise-%C3%A0-jour---logiciel</a></p>	
<p>Insert your installation CD in the reader.</p> <p>Click on <b>Run NewsteoKit_vx.xx.x_yyyymmdd_setup.exe</b> in the AutoPlay window</p> <p><i>If the installer does not start automatically, launch NewsteoKit_vx.xx.x_yyyymmdd_setup.exe file from the CD-ROM of the kit.</i></p>	
<p>Select the <b>Language</b></p> <p>Click <b>OK</b></p>	
<p>Click <b>Next</b></p>	
<p>Click <b>I Agree</b></p>	
<p>Click <b>Next</b></p>	

<p>Click <b>Install</b></p>	
<p>Click <b>OK</b></p>	
<p>Click <b>Next</b></p>	
<p>Select <b>I accept this agreement</b></p> <p>Click <b>Next</b></p>	
<p>Click <b>Finish</b></p>	
<p>Click <b>Finish</b></p>	

## 4.2 Connect RF Monitor to your Database

<p>After the restart of your computer, Right click on the <b>RF Monitor</b> icon Click on <b>Run as administrator</b></p>	
<p>Select the <b>Language</b>  Click <b>Next</b></p>	
<p>Click <b>Next</b>  <b>Remark:</b> The configurations can be changed later in the program options of RF Monitor, once the installation is done.</p>	
<p><b>At the request of the setup wizard, remove the label "Install the software before inserting!" of your RF-to-USB Key</b> <b>Insert the RF-to-USB key preferably using the USB extension</b></p>	
<p>Click <b>Next</b></p>	
<p>Click <b>Configure</b></p>	

Remember the name, the password and the IP adress of the Database which has been created in paragraph 3.2.2 **Create your Database**

Select **Remote Database**

Fill **Hostname** with the **IP adress**

Fill the **Username** and **Use the existing database name** with the **Name**

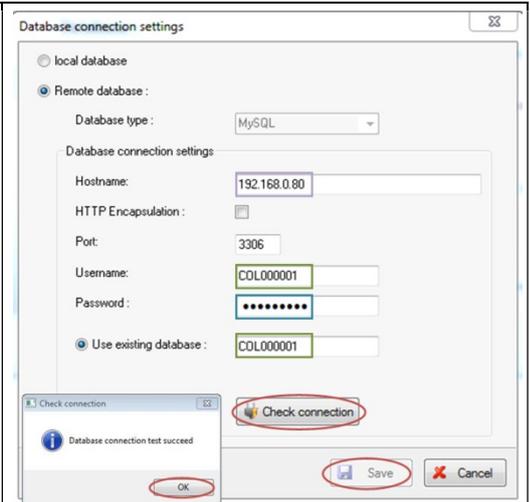
Fill the **Password** with **PassWord**

Click **Check Connection**

You get the message *"Database connection test succeed"*

Click **OK**

Click **Save**



Click **Next**



If you access the database for the first time, enter an **Administrator ID and associated password** in the « **About** » window of the Configuration wizard (you will not have to do that again for the installation of the other workstations).

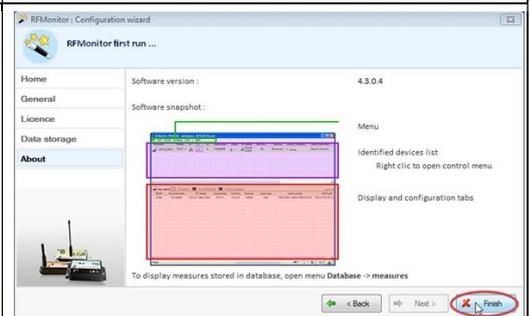
Enter an **Administrator Username**

Enter and confirm the **Password**

Click « **Next** »



At the end of the wizard, click **Finish** to launch RF Monitor



In the window « **Login** », enter the user name and the password you chose just before.

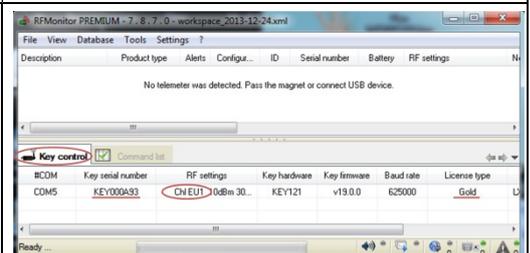
Click « **Connection** » to launch RF Monitor.



RF Monitor is starting

The information about your key RF-to-USB are displayed in the tab **Key control** of RF Monitor

The USB Key is on the channel 1 which is the channel for startup for all Newsteo products



## 5 Start your Loggers and use RF Monitor

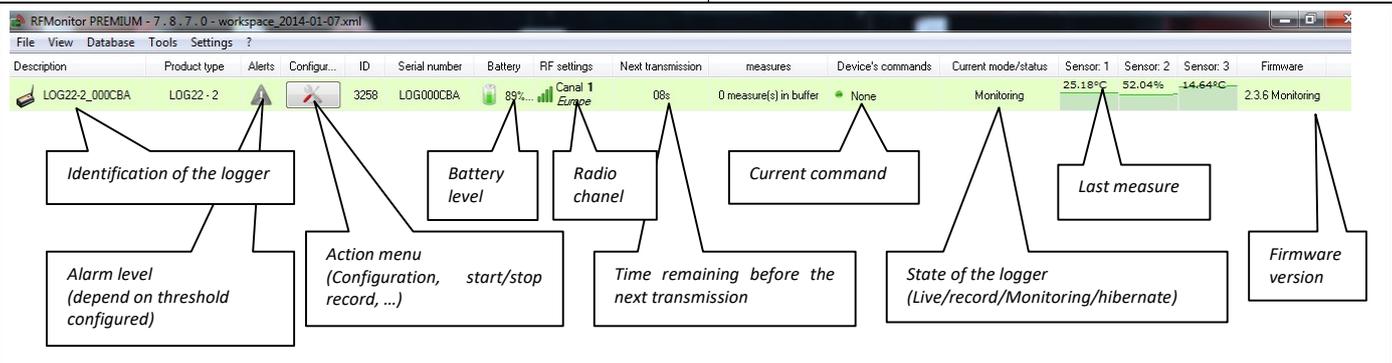
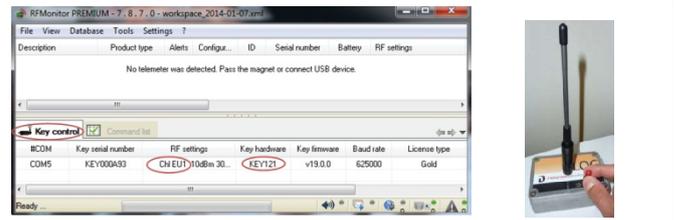
## 5.1 Start the loggers

For each logger you have, repeat the following process:

**The Logger is delivered in hibernation state.**

Once your KEY is correctly detected in the **Key Control** Tab, pass the magnet **over the area ILS or MAGNET** of your logger.

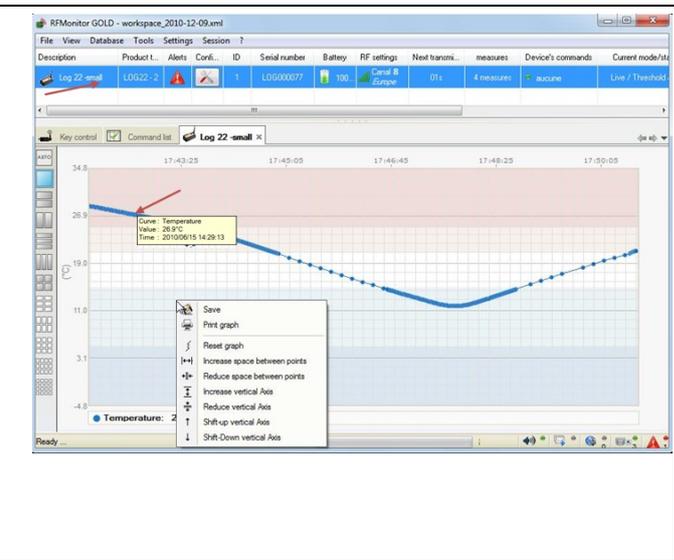
The logger appears in the list



**Double-click the line of the logger to display the real-time measurements for this Logger.**

By default, the logger:

- is functioning in Monitoring Mode
- sends a measurement every 10 seconds
- **By passing the mouse cursor on the point representing the measure, the exact value of the measurement is displayed and the date and time of the measurement.**
- **Right-click** on the graph to display the menu that allows you to **adjust the scale** of the curve for readability
- The colors designate the areas that match the alert thresholds set by the operator.

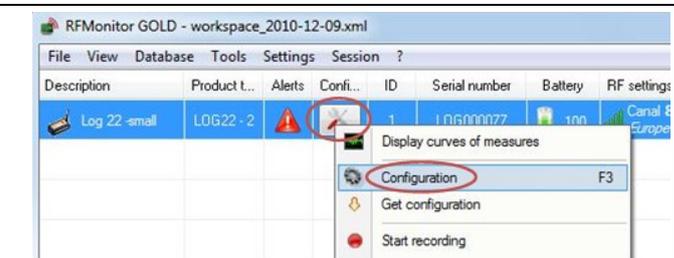


## 5.2 Configure your logger

To modify the configuration, for each product:

Click the **Tools icon**  
(Or **Right-click on the line of your Logger**)

Click on **Configuration**



After each **Send** at the end of a configuration, wait for a radio transmission or pass the magnet on the logger so that the modification is taken in account by the Tracker



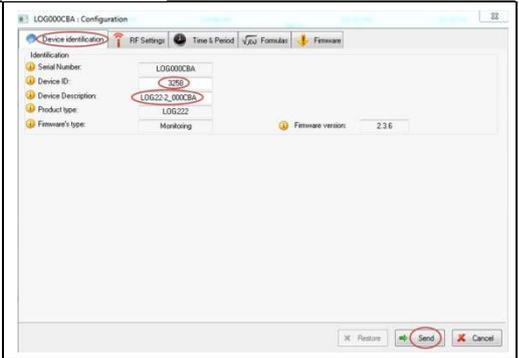
### 5.2.1 Configure the Identification

For each logger that you have:

Click on **Devices identification**

- ➔ You can change the device ID (ex: 1, 2 ....)
- ➔ You can change the Devices description (ex: warehouse)

Click on **Send**

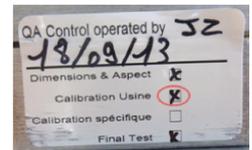


### 5.2.2 Configure the channel – RF settings

You started RFMonitor with the RF-to-USB key and your logger(s) by default on the channel 1 which is the channel for startup.

You must now change the channel:

- Use the securization of the channel **if this option is available for all your loggers** (available for **all LOG** - also available for **all LGR** which have a “Calibration usine”)
- You must **first modify the channel of all your loggers then the channel of your Repeaters (if you have some) before modifying the channel of RF-to-USB**
- The loggers, Repeaters and the RF-to-USB must have the **same channel** to communicate



For each logger that you have:

Click on **RF Settings**

- ➔ Select a working channel different from the channel 1
- ➔ Activate the security

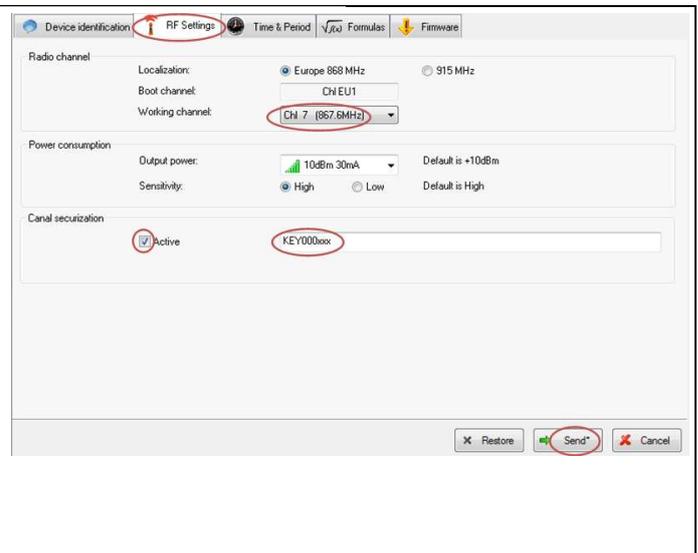
Note:

Chanel

Security

Click on **Send**

**Pass the magnet** on your logger to send the command or wait 2mn



### 5.2.3 Configure the period of measure and/or change Mode– Time &Period

The Loggers work by default in “Monitoring” mode with a measurement period of 10 seconds

For each logger that you have:

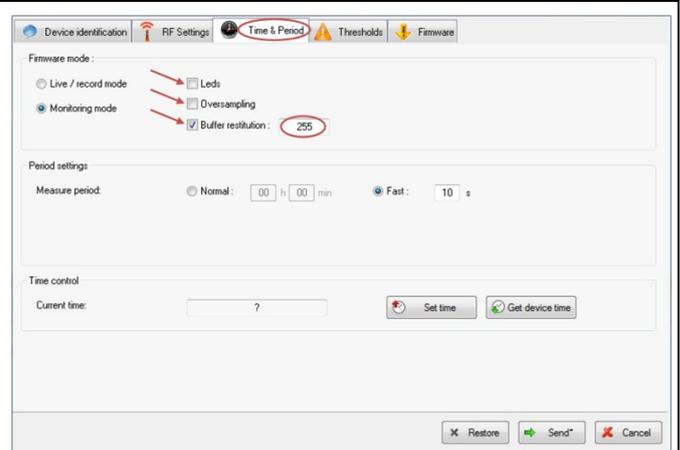
Click on **Time & Period**

**Leds:** It concerns only some loggers (LOG, LOM,...)  
If you needn't this option, you can **unselect it** to save battery.

**Oversampling:** If "oversampling" option is selected in the embedded software, whenever measures are outside the defined alert thresholds (Cf.), the number of measurements automatically increases to 1 measurement per second in fast mode (less than 1 min) and 1 measurement per minute for an initial period in normal mode (more than 1 min). This option allows you to refine surveillance when the product is on alert  
**Therefore, selecting the "oversampling" option is not recommended if you needn't specifically this functionality because there is an overconsumption of the battery.**

**Buffer restitution:** If this option is selected, no measure will be lost in case of a cut off of transmission.

**The value for buffer restitution** corresponds to the number of packet transmitted for each transmission.  
In case of a cut off of transmission, the logger records the measures in its memory buffer (up to 32000 measures). Once communication is restored, the measures buffered are automatically sent by the logger to the PC.



Exemple of oversampling :



Buffer restitution : 0 → No packet returned  
**In case of a cut of transmission, you will lose measures.**

Buffer restitution : 255 → Maximum number of packet transmitted

In case of a cut of transmission, once communication is restored, the measures buffered are automatically sent by the logger to the PC. The Maximum number of packet are transmitted at each transmission.

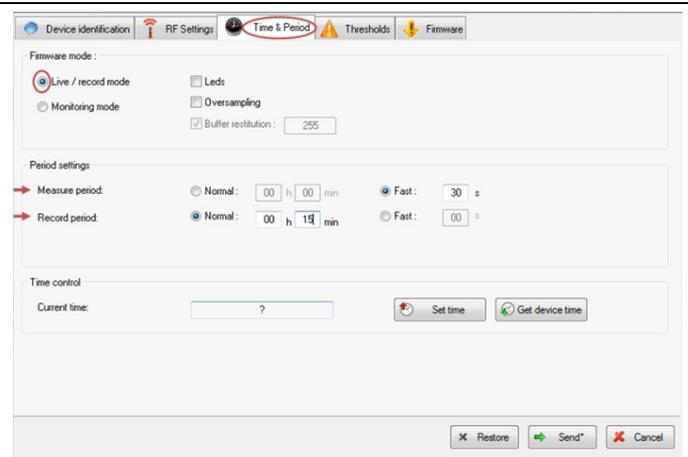
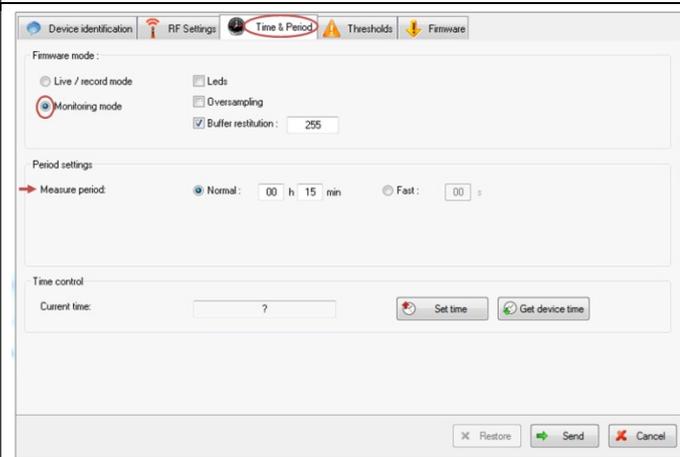
Buffer restitution : 1 to 254 → Number of packet transmitted limited to this value (exemple 10)

In case of a cut of transmission, once communication is restored, the measures buffered are automatically sent by the logger to the PC. Ten packet at a time are transmitted at each transmission. If you have a lot of logger that must return there buffered measured at the same time, it enables to avoid an obstruction in communication

In **Firmware mode**, select **Live/record Mode** or **Monitoring Mode** (refer to *1.2 Operating Mode for loggers*)  
 Most of the applications need the *Monitoring Mode*.

In **Period settings**, set the corresponding period of measure.

- ➔ Select **Normal** to give a value in hours and/or in minutes
- ➔ Select **Fast** to give a value in second lower than 1 minute



The 'Measure' period for the « **Monitoring** » mode :

- ➔ By default, a measurement is transmitted every 10s from the Logger to RF-Monitor with a request for acknowledgment. This value is define to enable you to test the functionalities of the software and visualize the mesure every 10 seconds on the graphic. **Change this value to correspond to your needs and also to save battery**

The «Measure » period and « Record » period for the «**Live/Record**» mode :

- ➔ By default in 'Live' mode, a measure is transmitted every 10s from the Logger to RF-Monitor which allows the user to set alert thresholds and verify the operation of the Logger.
- ➔ By default, in 'Record' mode, every 10 minutes, the logger takes a measure and store in its memory. These measures will be restituted to RF Monitor on request and after a change for the 'Monitoring' mode (Cf.1.2 *Operating Mode for loggers*).

For your tests in 'Record' mode, we recommend a shorter period of 1 minute for example.

Remark : **The higher the frequency is for the measurement, the faster the memory will be full.**

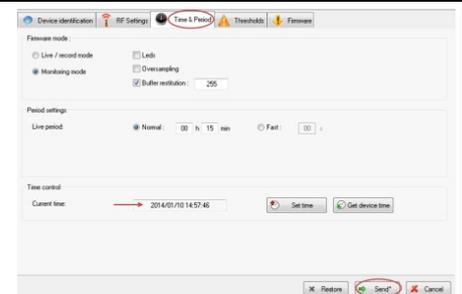
For information:

- period 1 mn → 20 days of autonomy
- period 10 mn → 200 days of autonomy
- period 30 mn → 2 years of autonomy

**Therefore, during the setting up of the recording mode, selecting the "oversampling" is not recommended.**

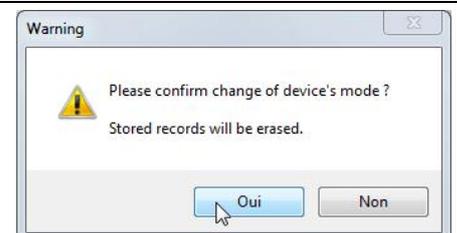
In **Time control**, there is nothing to change, the date and time of the logger will be automatically set

Click on **Send**



If you changed the Firmware mode **before confirming the mode changing for the product and deleting data, do not forget:**

- ➔ to download your actions if you were in « Live/Record » Mode
- ➔ **check that the transmission is not interrupted in order not to lose the measurements** (Next Transmission « ? » on the line of the concerned Logger) if you were in « Monitoring » Mode.



### 5.2.4 Configure the thresholds

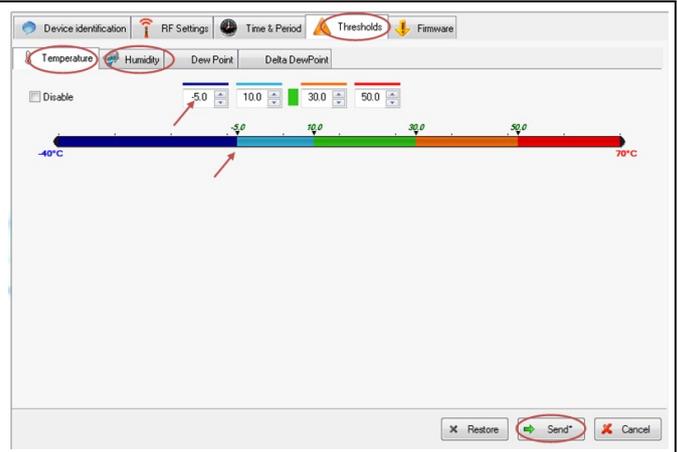
For each logger that you have:

Click on **Thresholds**

- ➔ Select a **sensor** (ex: temperature or humidity)
- ➔ You can **Disable** the thresholds on a sensor
- ➔ Move the **Cursors** or directly give the values for the thresholds

The green area corresponds to the area without alert  
 The light blue and orange areas correspond to the first level of alert  
 The dark blue and red areas correspond to the second level (critical) alert

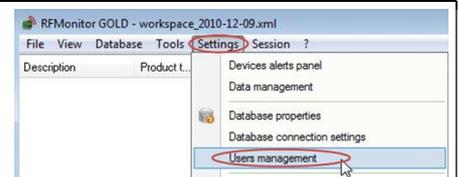
Click on **Send**



### 5.3 User management

Click **Settings**

Click **User management**

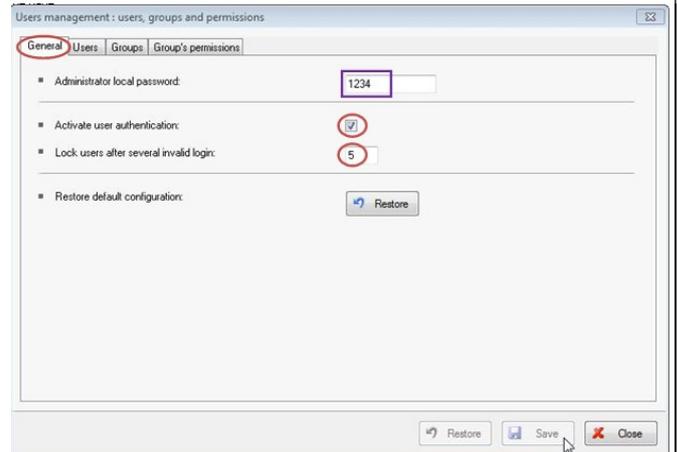


Click **General**

Enter the password « **Administrator local password** » (default value 1234). This password allows the administrator to log in, in case of connection problem for users.

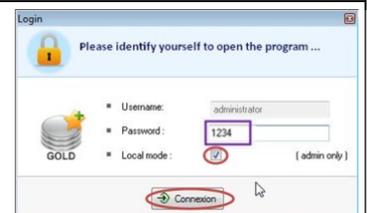
**Activate user authentication**

**Lock users after several invalid login:** Define the number of trials allowed for connection.



In case of a connection problem for a user, when starting RF Monitor:

- Select **Local Mode**
- Enter the **Administrator local password**
- Click **Connection**



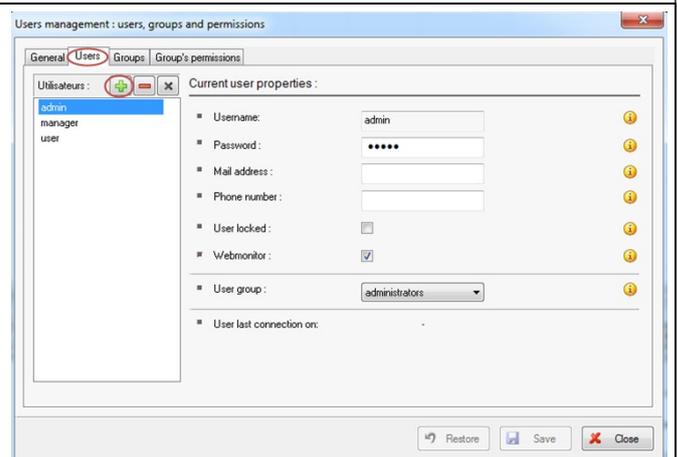
Click the **Users** Tab

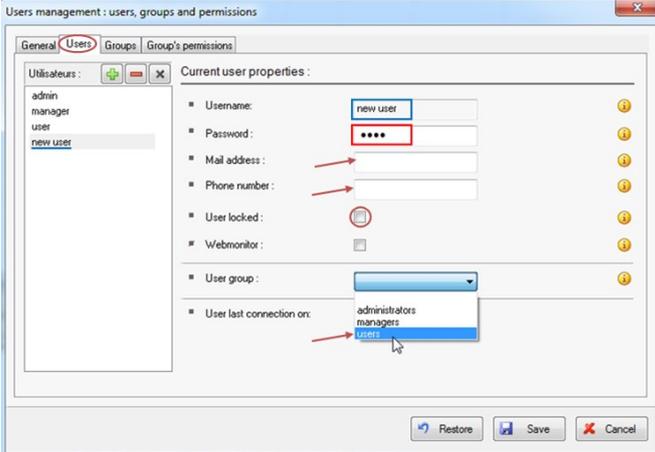
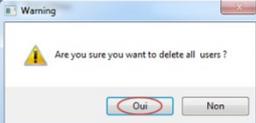
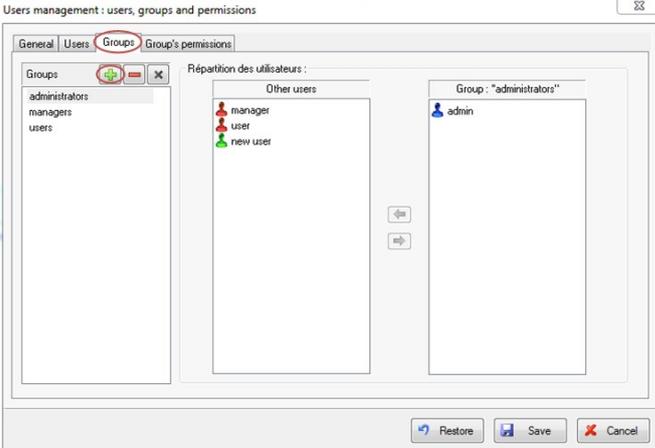
By default, 3 users have been created:

User	Password	Group
admin	admin	Administrators
manager	manager	Managers
user	user	users

For safety reasons, it is necessary to change passwords assigned upon installation.

It is possible to create a new user by clicking on «+».



<p>Enter the name <b>new user</b> Click on <b>OK</b></p>	
<p>The <b>new user</b> is added to the list. <b>Select it</b> <b>Assign him a password.</b> <i>The fields <b>email address</b> and <b>phone number</b> are optional.</i></p> <p>The box <b>User locked</b> is checked if the user typed several times a bad password. It is then possible to <b>reactivate the user by unchecking the box.</b> The Webmonitor In <b>User group</b>, define to which <b>group</b> the user belongs and therefore, what are <b>its rights</b>. You can use one of the default group or create a new group (see « Groups » and « Group's Permissions » tabs).</p>	
<p>To <b>delete a user</b>, select it, click «<b>-</b>». Confirm in the « <b>Warning</b> » window.</p>	
<p>To <b>delete all users</b>, click «<b>X</b>» Confirm in the « <b>Warning</b> » window.</p>	
<p>To <b>delete all users</b>, click «<b>X</b>» Confirm in the « <b>Warning</b> » window.</p>	
<p>Click the <b>Groups</b> Tab</p> <p>It is possible to create a new group by <b>clicking on «+»</b></p>	
<p>Enter the name <b>new group</b> Click on <b>OK</b></p>	

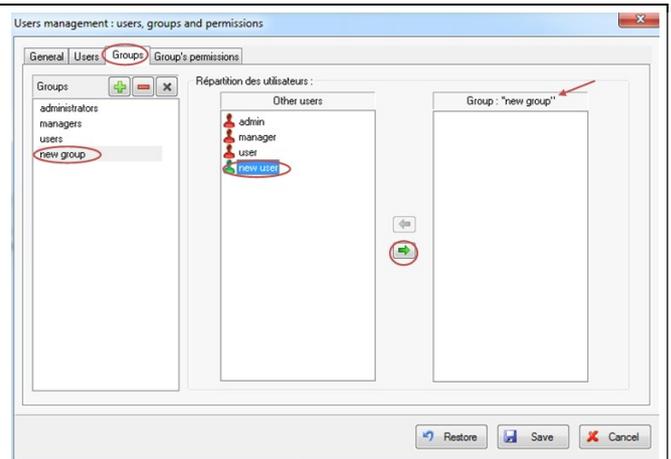
The **new group** is added to the list

Select **new group**

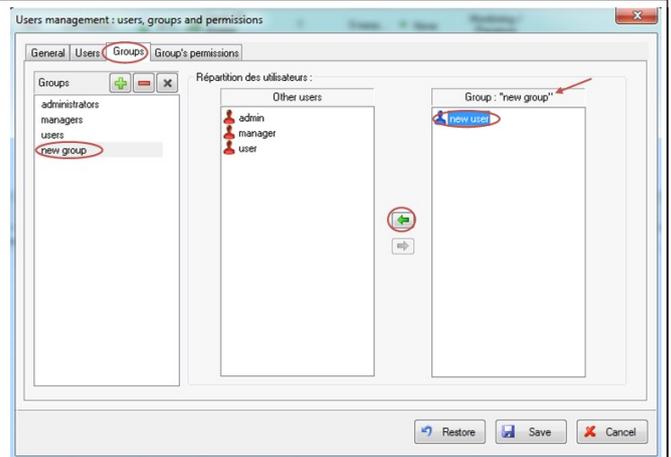
**Assign it some users** by selecting the desired users and clicking the **green arrow**.

The available users are in green in the column « Other users »

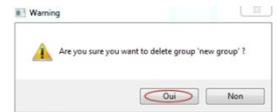
The users in red in the column « Other users » have already been assigned to another group



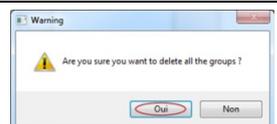
To remove a user from a group, select it in the Group column and click the **green arrow**



To **delete a group**, select it, click «-».  
Confirm in the « **Warning** » window.



To **delete all groups**, click «X»  
Confirm in the « **Warning** » window.



Click the **Group's permission** Tab  
**Assign the rights** for the **new group**

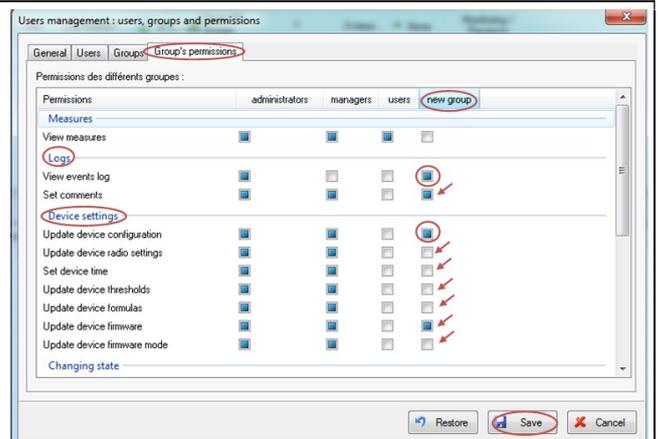
**REMARK**

In the **“Logs”** part:

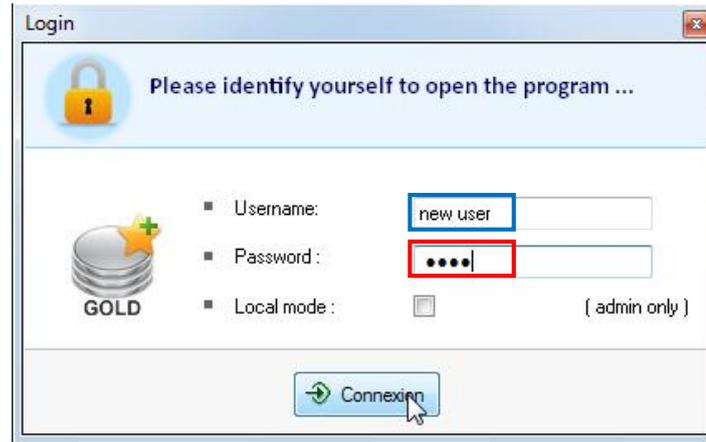
To give the right **“Set comment”**, the right **“View event log”** must be selected

In the **“Device settings”** part:

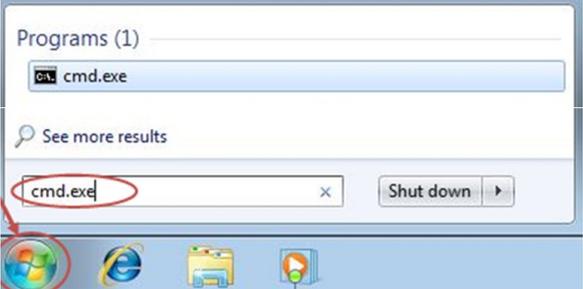
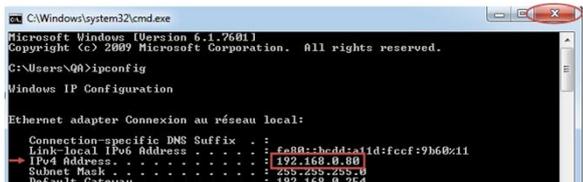
The right **“Update device configuration”** must be selected to select other rights in the same part



**Do not forget to click « Save » to save your modifications**



## 6 Annexe – you can't remember you IP address

<p>If you can't remember the IP address of your computer:</p> <ul style="list-style-type: none"><li>• Click <b>WINDOWS</b> icon</li><li>• Enter the command: <b>cmd.exe</b></li><li>• Press <b>Enter</b></li></ul>	 A screenshot of the Windows Start menu search interface. The search bar contains 'cmd.exe'. Below the search bar, the results show 'cmd.exe' as the only program found. A red circle highlights the search bar, and a red arrow points to the 'cmd.exe' result.
<ul style="list-style-type: none"><li>• Write <b>ipconfig</b></li><li>• Press <b>Enter</b></li></ul>	 A screenshot of a Windows command prompt window. The title bar reads 'C:\Windows\system32\cmd.exe'. The prompt shows the command 'ipconfig' has been entered and executed. The output is partially visible, showing 'Microsoft Windows [Version 6.1.7601] Copyright (c) 2009 Microsoft Corporation. All rights reserved. C:\Users\QA>ipconfig_'. The cursor is on the next line.
<ul style="list-style-type: none"><li>• Get your IP address <b>on the line IPv4 Address</b></li><li>• Click <b>[X]</b> to close the windows</li></ul>	 A screenshot of a Windows command prompt window. The title bar reads 'C:\Windows\system32\cmd.exe'. The prompt shows the command 'ipconfig' has been entered and executed. The output is fully visible, showing 'Microsoft Windows [Version 6.1.7601] Copyright (c) 2009 Microsoft Corporation. All rights reserved. C:\Users\QA>ipconfig Windows IP Configuration Ethernet adapter Connexion au réseau local: Connection-specific DNS Suffix . . . : fe80::badd:a1d:fcf:9b60::11 Link-local IPv6 Address . . . . . : fe80::badd:a1d:fcf:9b60::11 IPv4 Address. . . . . : 192.168.0.80 Subnet Mask . . . . . : 255.255.255.0 Default Gateway . . . . . : 192.168.0.254'. The 'IPv4 Address' line is highlighted with a red box. The window's close button (X) is also highlighted with a red box.

### Address of the manufacturer:

NEWSTEO S.A.S.  
93 avenue des Sorbiers – ZE Athelia 4  
13 600 La Ciotat – France