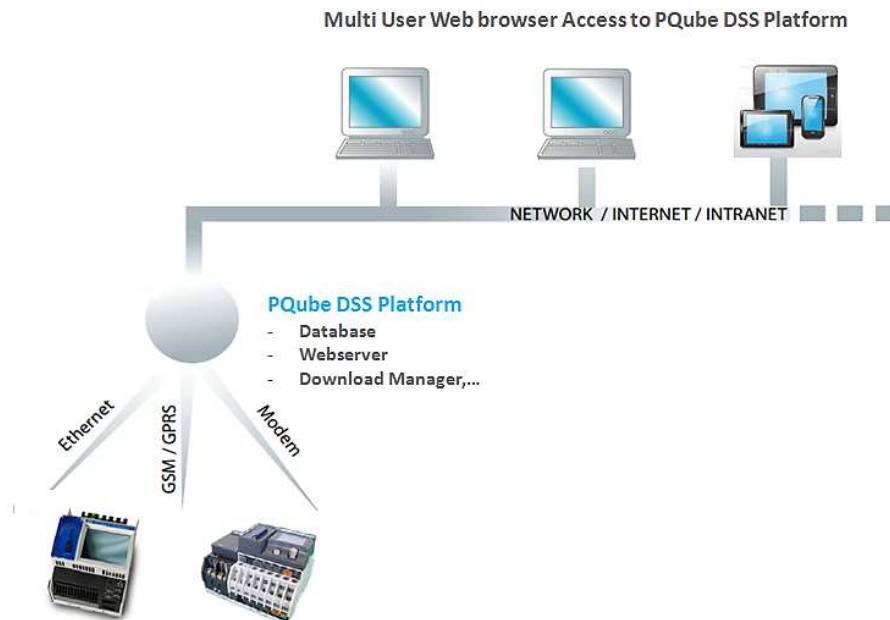


# PQUBE DSS Platform

## The Intelligent PQube Management System



### PQube DSS

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The PQube DSS (Download Server Software) platform is an easy to use, web based platform which manages all the data from your PQubes, stores it on a central server and makes it available to the user via a web browser.

### Why the need of a PQube DSS Platform ?

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One of the many advantages of the PQubes is the easy way to 'read' the data. All the measurements are already prepared in a readable format (GIF, XLS,...). The user doesn't need to install software to look at the measurements. The only thing he needs is a web browser.

In some cases, it can get more complicated. If a user has several PQubes, he needs to remember all the addresses of the different PQubes and access them separately.

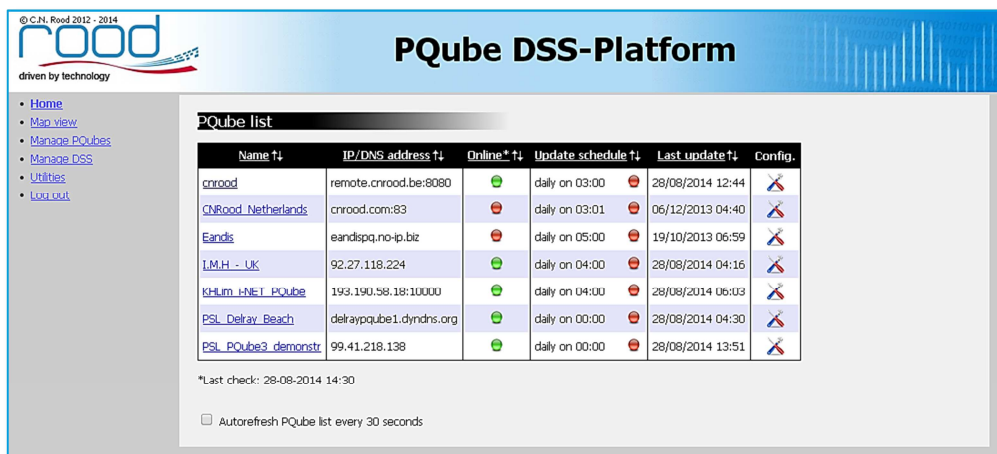
PQube DSS platform provides a solution for this. The main components of the platform are a configurable download manager and a webserver. The user only needs to get access to the webserver to look at the data from all his PQubes, data already downloaded by the download

manager to the DSS Platform. From within the platform you can easily browse to the PQube itself to look at real time data (meters).

## Key Features

- Ease of use
  - ↳ Web based
  - ↳ Map view of all your PQubes
  - ↳ Data presented in the same format as it is on the PQube
  - ↳ One location (PQube DSS Platform) to find all the data from your PQubes
- Automatically collects data from multiple (one to thousands) PQubes to a central server
- Automatic backup of your PQube's data
- Historical data always available, even if your PQube starts a new measurement campaign
- (For example when PQube is used as a temporary measurements device)
- Downloadable tools available like Configurator, Report Writer, PQDiffactor,...)
- Connect anytime, anywhere
  - ↳ If you can access the platform you can access the data, even if your PQube is off line because of maintenance shut down, communication problems,....)
- Interface to large multi-site, multi-vendor database systems like PQView

## Main Interface



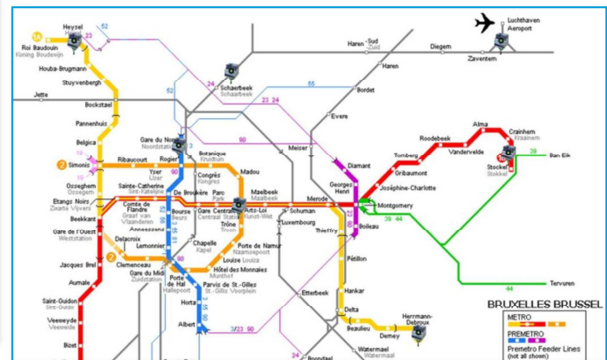
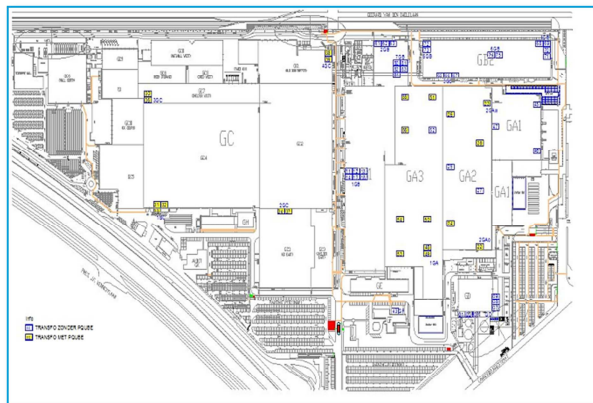
The screenshot displays the PQube DSS-Platform web interface. On the left is a navigation menu with links: Home, Map view, Manage PQubes, Manage DSS, Utilities, and Logout. The main content area is titled 'PQube list' and contains a table with the following data:

Name ↑↓	IP/DNS address ↑↓	Online* ↑↓	Update schedule ↑↓	Last update ↑↓	Config.
cnrood	remote.cnrood.be:8080	🟢	daily on 03:00	28/08/2014 12:44	🔧
<a href="#">CNrood_Netherlands</a>	cnrood.com:83	🔴	daily on 03:01	06/12/2013 04:40	🔧
Eandis	eandispq.no-ip.biz	🔴	daily on 05:00	19/10/2013 06:59	🔧
I.M.H. - UK	92.27.118.224	🟢	daily on 04:00	28/08/2014 04:16	🔧
<a href="#">iHUM - IJNET - PQube</a>	193.190.58.18:10000	🟢	daily on 04:00	28/08/2014 06:03	🔧
<a href="#">PSL_Delray_Beach</a>	delraypqube1.dyndns.org	🟢	daily on 00:00	28/08/2014 04:30	🔧
<a href="#">PSL_PQube3_demostr</a>	99.41.218.138	🟢	daily on 00:00	28/08/2014 13:51	🔧

Below the table, it states: \*Last check: 28-08-2014 14:30. At the bottom, there is a checkbox labeled 'Autorefresh PQube list every 30 seconds' which is currently unchecked.

This example shows a list of PQubes, managed by the platform. The list gives a short overview and informs the user that the PQubes are online/offline, the update (download) schedule and when the last update was finished

## Map View



Map View lets the user create his own PQube's map. Just click on a PQube on the map to get to the data. On the left an example of an automotive factory, on the right the Brussels subway.

## Look at your Measurements

**PQube DSS-Platform**  
C.N. Rood - Brussels (Belgium)

**2014/08 PQube Trends and Statistics**

Type	Date	Files
Daily	2014/08/27 (Wednesday)	<a href="#">File List</a>
Daily	2014/08/26 (Tuesday)	<a href="#">File List</a>

**PQube DSS-Platform**  
C.N. Rood - Brussels (Belgium)

Brussels (Belgium)  
2014/08/27 (Wednesday) Daily Trends and Statistics

Spreadsheets	Graphs	Summaries	PQDIF
<a href="#">P006572 2014-08-27 Trends.csv</a>	<a href="#">P006572 2014-08-27 Daily Voltage-Current Trends-Stats.gif</a>	<a href="#">P006572 Trends-Stats.htm</a>	<a href="#">P006572 2014-08-27 Trends-Stats PQDIF.pqd</a>
<a href="#">P006572 2014-08-27 Statistics.csv</a>	<a href="#">P006572 2014-08-27 Daily AN-Dig-Stats.gif</a>		
<a href="#">L1-N(V) Harmonics.csv</a>	<a href="#">P006572 2014-08-27 Daily THD-Unbal-Stats.gif</a>		
<a href="#">L2-N(V) Harmonics.csv</a>	<a href="#">P006572 2014-08-27 Daily Flicker Tre-Stats.gif</a>		
<a href="#">L3-N(V) Harmonics.csv</a>	<a href="#">P006572 2014-08-27 Daily L-N Voltage-Stats.gif</a>		
	<a href="#">P006572 2014-08-27 Daily L-L Voltage-Stats.gif</a>		

**PQube DSS-Platform**  
C.N. Rood - Brussels (Belgium)

**Trends and Statistics**

Start: 2014/08/27 Wed 00:00 End: 2014/08/27 Wed 23:59  
Coverage: 100.0%

**L-N Voltage**

Graph showing L-N Voltage (V) over time (00:00 to 23:59). The voltage fluctuates around 230V.

**Cumulative Probability**

Graph showing Cumulative Probability (%) over Voltage (V). The distribution is centered around 230V.

Event	RMS (10-sec)	RMS % (1-sec)	min	avg	max
IEC 61000-4-30	0.2V	0.6V	234.9V	238.1V	238.1V

% of day	Range
50%	233.9 ~ 236.0V
95%	232.9 ~ 237.0V
99%	232.1 ~ 237.6V
99.5%	231.8 ~ 237.6V

The data on the PQube DSS Platform is presented in the same way as it is on the PQube itself.

It looks like you are browsing on the PQube but in fact you're looking at the data on the platform

## Batch Functions and Filtering

The screenshot shows the 'Batch functions - Filter' interface of the PQube DSS-Platform. It includes a sidebar with navigation links (Home, Map view, Manage PQubes, Batch Functions, Add new PQube, Manage DSS, Utilities, Log out) and a main content area with filter options and a table of PQubes.

**Batch functions - Filter**

Filter:  My selection

Online/Offline:  both  Name

Enabled/Disabled:  both

☐ Select/deselect all.

	Name ↑↓	IP/DNS address ↑↓	Online* ↑↓	Update schedule ↑↓	Last update ↑↓	Config.
<input type="checkbox"/>	cnrood	remote.cnrood.be:8080	🟢	daily on 03:00	28/08/2014 12:44	⚙️
<input type="checkbox"/>	CNrood_Netherlands	cnrood.com:83	🔴	daily on 03:01	06/12/2013 04:40	⚙️
<input type="checkbox"/>	Eandis	eandispq.no-ip.biz	🔴	daily on 05:00	19/10/2013 06:59	⚙️
<input type="checkbox"/>	I.M.H. - UK	92.27.118.224	🟢	daily on 04:00	28/08/2014 04:16	⚙️
<input type="checkbox"/>	K-Him - I-Net - PQube	193.190.58.18:10000	🟢	daily on 04:00	28/08/2014 06:03	⚙️
<input type="checkbox"/>	Laborelec	cnrood.dyndns.org	🔴	daily on 01:00	04/06/2014 15:19	⚙️
<input type="checkbox"/>	Mobilae	91.183.3.134:3000	🔴	daily on 00:00	25/04/2014 03:33	⚙️
<input type="checkbox"/>	PSL_Dekay_Beach	delaypqube1.dyndns.org	🟢	daily on 00:00	28/08/2014 04:30	⚙️
<input type="checkbox"/>	PSL_PQube3_demostr	99.41.218.138	🟢	daily on 00:00	28/08/2014 13:51	⚙️

\*Last check: 28-08-2014 14:30

If you have many PQubes to manage it may be handy to do some filtering or do some batch functions like for example launching the update (downloads) of several PQubes in one step instead of doing this step by step.

## Utilities

The screenshot shows the 'Utilities' interface of the PQube DSS-Platform. It lists four utilities: PQDiffactor, PQube EN-50160 Report Writer, PQube Configurator, and PQube Modbus, each with a brief description and a download link.

**Utilities**

**PQDiffactor® PQDIF File Viewer Utility**  
PQDiffactor is a free PQDIF file viewer utility written by Elektrotek Concepts for browsing, diagnosing, and converting PQDIF files.  
You can download PQDiffactor [here](#).

**PQube EN-50160 Report Writer**  
PQube Report Writer generates Standards Compliance Reports for you. (Optimized for EN50160 but you can add own standards and norms)  
It accepts files recorded by any PQube and generates a nice formatted Microsoft Word document (Requires Microsoft Word 2007 or later)  
Multiple languages available  
You can download PQube report writer [here](#).

**PQube Configurator**  
PQube Configurator is a nice tool to create and/or modify your PQube's setup.ini file.  
You can download PQube Configurator [here](#).

**PQube Modbus**  
This application allows you to pick among hundreds of real-time meters and stripcharts. Besides your own PQubes, you can also connect to dozen of PQubes around the world.  
You can download PQube Modbus [here](#).

If you need to change the configuration of a PQube, create a report or analyze in depth using the PQDIF files but you don't have the necessary software available ?

Don't worry, you can download it straight from the DSS Platform

## Contact Details

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**Rudy De Winter**

[RDeWinter@cnrood.com](mailto:RDeWinter@cnrood.com)

**C.N. Rood B.V.**  
Blauw-roodlaan 280  
2718 SK Zoetermeer  
Netherlands

**C.N. Rood N.V./S.A.**  
Z.1. Researchpark 40  
B-1731 Zellik  
Belgium

**Contact**

Phone +31.79.360.00.18  
Fax +31.79.362.81.90

**Contact**

Phone +32.2.467.03.50  
Fax +32.2.466.25.00

**E-Mail**

[info@cnrood.com](mailto:info@cnrood.com)

**E-Mail**

[info@cnrood.com](mailto:info@cnrood.com)

**Website**

[www.cnrood.com](http://www.cnrood.com)

**Website**

[www.cnrood.com](http://www.cnrood.com)