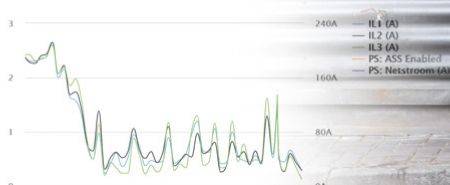
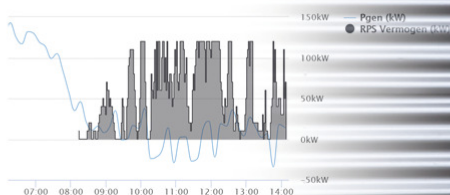


Reverse Power System		
Omschrijving	Waarde	Datum
S7 RPS + PS		
RPS Vermogen	0 kW	15-7-2022 14:07:52
RPS: Enabled	<input checked="" type="checkbox"/>	15-7-2022 14:07:52
RPS: LB > 0%	<input type="checkbox"/>	15-7-2022 14:07:52
RPS: LB >= 60%	<input type="checkbox"/>	15-7-2022 14:07:52
RPS: LB >= 80%	<input type="checkbox"/>	15-7-2022 14:07:52
RPS: Vermogen	0 %	15-7-2022 14:07:52

Peak Shave		
Omschrijving	Waarde	Datum
S7 RPS + PS		
PS: ASS Enabled	<input type="checkbox"/>	15-7-2022 08:39:17
PS: ASS Stroom	10 A	15-7-2022 08:39:17
PS: ASS Stroom	10 A	15-7-2022 08:39:17
PS: Enabled	<input type="checkbox"/>	15-7-2022 08:39:17
PS: Installed	<input checked="" type="checkbox"/>	14-7-2022 08:39:17
DC: Max stroom	1.00 A	14-7-2022 08:39:17



## DCB 4.0 - the hardware

### The Data Communication Box 4.0 is delivered with:

- an active simcard with global coverage (option: international waters)
- gecombined GPS/LTE puck antenna 5 m
- DIN rail clip
- ethernet cable 1,5 m.

### The main technical specifications:

- communication by 2G/3G and 4G
- GPS is standard available
- Ethernet/RS232/RS422/RS485 and 4IO
- 1 GB intern memory
- 6 leds for status indication
- complies with industry standards and CE/FCC certifications.



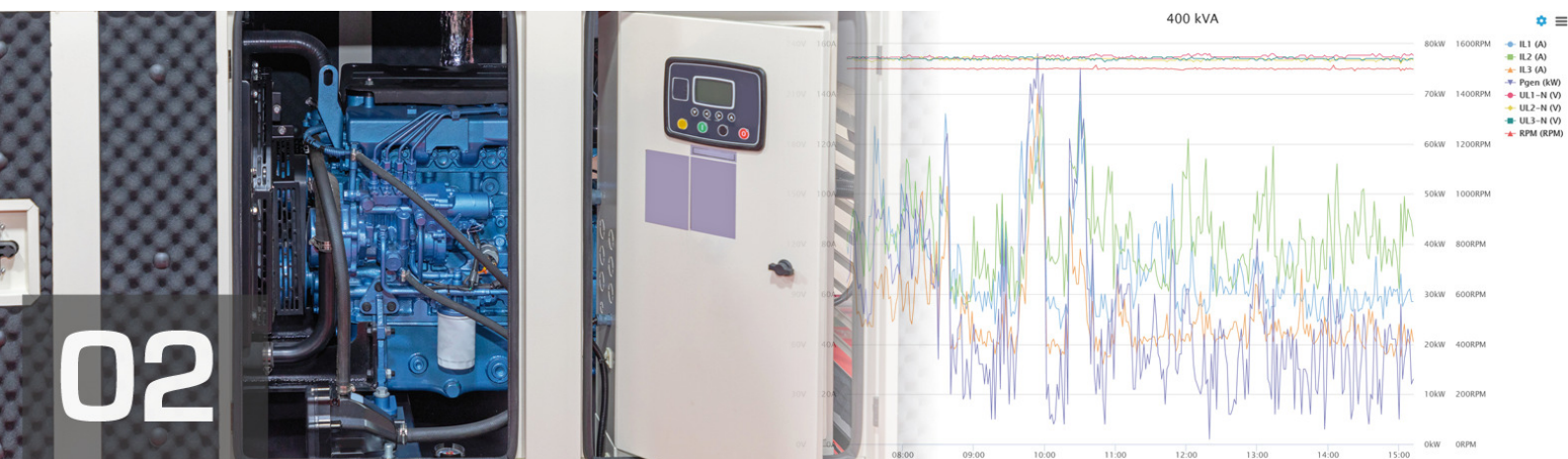
### Plug & Play

- the DCB 4.0 is delivered plug & play (inclusive active simcard).
- this means that the DCB 4.0 is configured by us for the Woodward controller and peripherals you want to monitor. No need for programming the DCB 4.0.
- we can change the configuration remotely, if you decide to use a different controller, should that be desired (free of charge).
- after the DCB 4.0 is connected to the power supply and to the controller, a mobile connection is established, making the data immediately visible on the web portal.

### Optional:

- VPN
- customized API connection
- Node-RED
- Canbus.





## Standard available functions

### Alarms / alarm management

The alarm module allows you to create your own alarm conditions. You can:

- in addition to single alarm conditions, also set combined alarm conditions
- add a delay (the time that an alarm condition must meet before an alarm notification is sent)
- compose the text of the alarm notification yourself
- activate or deactivate alarm conditions (temporarily)
- select from the contact book the persons who should to receive the alarm notifications (via SMS, Telegram or by mail)
- simply copy alarm rules to other objects (subscriptions).

**Fuellevel**

General
Advanced
Condition
Subscriptions

*Alarm rule will go off when **all** of the conditions are met.*
Edit

Fuel + AdBlue » Fuellevel < 30 %
EMCP 4.2 » DCB Online = Active

Add condition

### User management

User management allows you to:

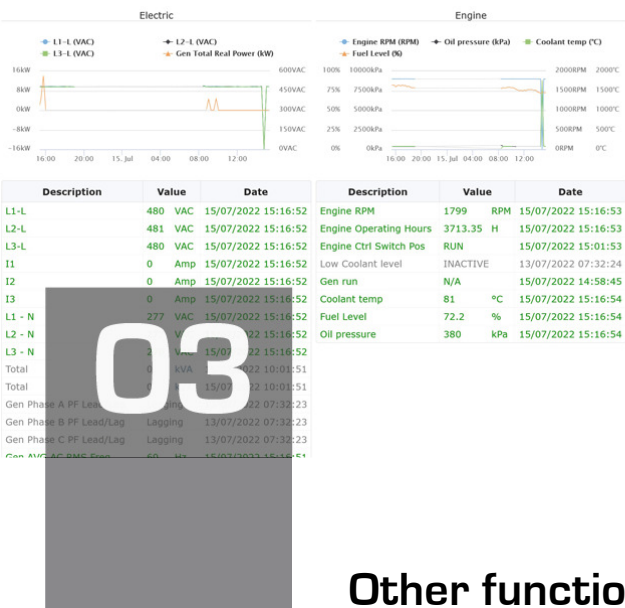
- create and manage user accounts
- specify which objects may be shown
- specify which reports an account may see or create
- specify the rights/permissions an user account has.

Group: 2 - Depots											
Properties	Users	Objects	Reports	Permissions							
				0.1: Depot Ma...	0.0: Depot Ma...	1.0: S&M Sup...	1.1: S&M Sup...	2.0: S&M Sup...	2.1: S&M Engi...	3.0: Yard Bas...	3.1: Yard Bas...
Permissions				0.0: Project E...	5.0: Logistics	5.1 Fleet plan...	6.0: Sales Su...	7.0: Customer...			
» Management - VPN				✓	✓	✓	✓	✓	✓	✓	✓
» Messages				✓	✓	✓	✓	✓	✓	✓	✓
» Alert overview (custom)				✓	✓	✓	✓	✓	✓	✓	✓
» Message - conditions				✓	✓	✓	✓	✓	✓	✓	✓
Advanced Message conditions				✓	✓	✓	✓	✓	✓	✓	✓
Create/Copy new message condition				✓	✓	✓	✓	✓	✓	✓	✓
Delete				✓	✓	✓	✓	✓	✓	✓	✓
Disable				✓	✓	✓	✓	✓	✓	✓	✓
Edit				✓	✓	✓	✓	✓	✓	✓	✓
Message Dispatch				✓	✓	✓	✓	✓	✓	✓	✓
» Reports 3.0				✓	✓	✓	✓	✓	✓	✓	✓
Actions				✓	✓	✓	✓	✓	✓	✓	✓
Data Highspeed				✓	✓	✓	✓	✓	✓	✓	✓
Base right Sub-Objects				✓	✓	✓	✓	✓	✓	✓	✓
				Edit							

### Extensive reporting and analysis functions

Via the web portal you have extensive reporting and analysis functions:

- all data collected by the DCB 4.0 will be stored for at least 1 year
- data can be displayed on the screen
- data can be exported in Excel, PDF or Word format.



Description	Value	Date
Controller	Cat EMCP4.2B	01/01/1900 01:00:00
Gen AVG AC RMS Freq	60 Hz	15/07/2022 15:16:52
Gen overall PF Lead/Lag	Lagging	15/07/2022 15:16:52
Gen overall Pwr Factor	1 PF	15/07/2022 15:16:52
Gen Total Real Power	0 kW	15/07/2022 15:16:52
Low Coolant level	INACTIVE	13/07/2022 07:32:23
Fuel leak detection	INACTIVE	13/07/2022 07:32:23
Spare	INACTIVE	13/07/2022 07:32:23
Earth Fault shutdown	ACTIVE	13/07/2022 07:32:23
CB Trip	INACTIVE	13/07/2022 07:32:23
E stop	INACTIVE	15/07/2022 15:16:52
Remote start	INACTIVE	15/07/2022 15:16:52
Eng. crank	INACTIVE	15/07/2022 15:16:52
Fuel control	N/A	15/07/2022 15:16:52
Common Alarm	INACTIVE	15/07/2022 15:16:52
Gen run	N/A	15/07/2022 15:16:52
Gen Freq within Limits	TRUE	15/07/2022 15:16:52
Gen Voltage within Limits	TRUE	15/07/2022 15:16:52
Interface	RS485 19200,N,8,1	01/01/1900 01:00:00
Itemcode	300-0100	15/07/2019 15:16:52



## Other functions available as standard

### Availbale functions:

- mobile web app available
- for DEIF and DSE controllers the eventlog and alarmlist are available
- time zones per account
- geofencing per object/machine
- besides SMS and email now also Telegram available for alarm notifications
- indication of GPS and mobile signal strength
- adjustable alarm if connection is lost for more than x minutes
- function " show route", to see the movement of a machine over a selected periode in time.
- "Data High Speed" function. By activating this function, for a limited period of e.g. 30 minutes, data is collected and transmitted at a high frequency.

### Options:

- the web portal can be offered in your company's look-and-feel. The complete remote monitoring system (hardware and web portal) can be also be offered as OEM/branding
- VPN is available. A secure connection can easily be established via the web portal
- in addition to sim cards for "normal" use, we also supply sim cards with a data bundle for high data consumption as required for VPN or sim cards for use in international waters.

### Projects

The purpose of the module Projects is that resources can be pooled.

- several machine/objects can be assigned to a project.
- after a status change in the project, the applicant/requestor of a project is automatically informed.
- all persons involved in the project receive a link to a protected part of the web portal and can quickly retrieve the latest status (also mobile).
- after completion of the project, all data can be easily aggregated from the machines deployed.

### Questions?

Contact us for a demonstration or take a look on our website [www.remotemonitoringgenset.com](http://www.remotemonitoringgenset.com).