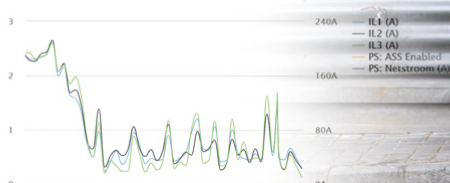
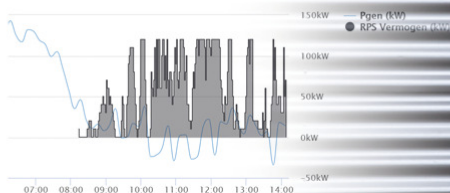


Reverse Power System		
Omschrijving	Waarde	Datum
S7 RPS + PS		
RPS Vermogen	0 kW	15-7-2022 14:07:52
RPS: Enabled	☒	15-7-2022 14:07:52
RPS: LB > 0%	☐	15-7-2022 14:07:52
RPS: LB >= 60%	☐	15-7-2022 14:07:52
RPS: LB >= 80%	☐	15-7-2022 14:07:52
RPS: Vermogen	0 %	15-7-2022 14:07:52

Peak Shave		
Omschrijving	Waarde	Datum
S7 RPS + PS		
PS: ASS Enabled	☐	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	☐	15-7-2022 08:39:17
PS: Installed	☒	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)
- gecombineerd 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.



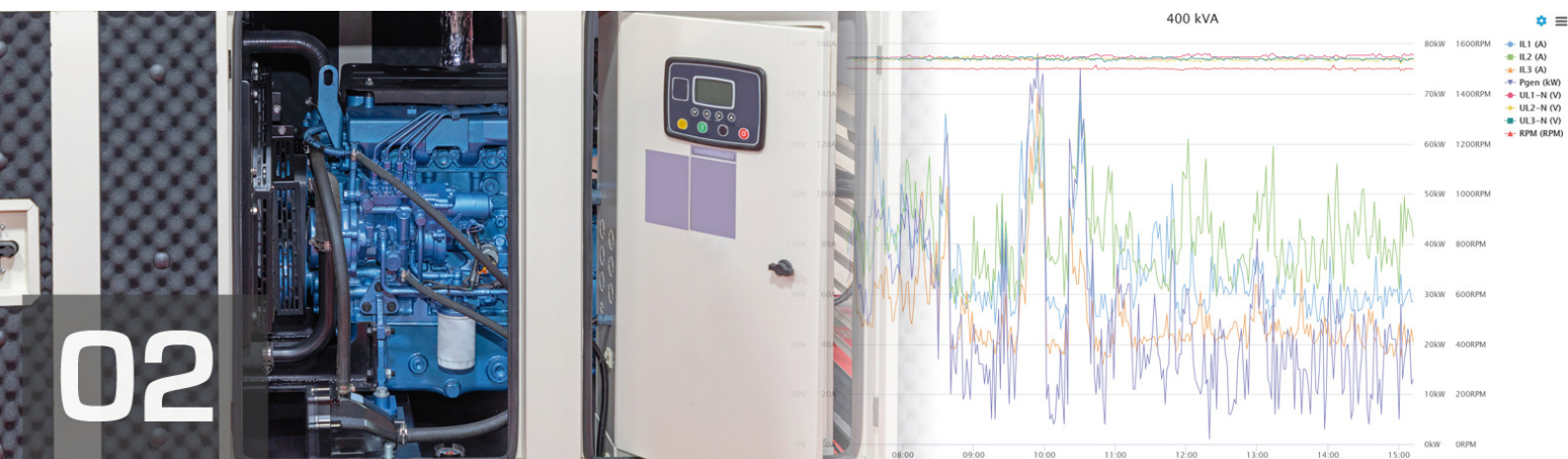
Plug & Play

- the DCB 4.0 is delivered plug & play (inclusive active simcard).
- this means that the DCB 4.0 is configured by us for the 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.



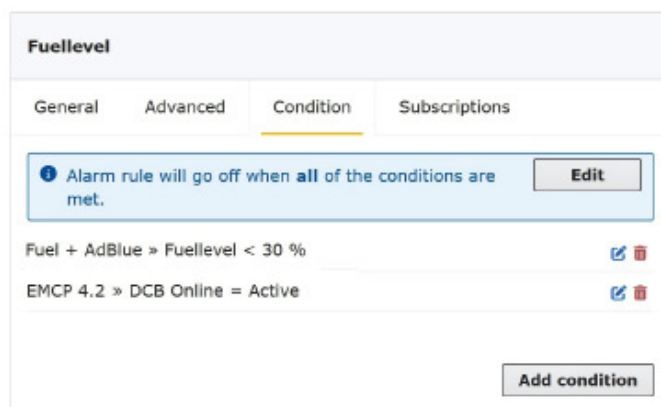


Standard available functions

Alarms / alarm management

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

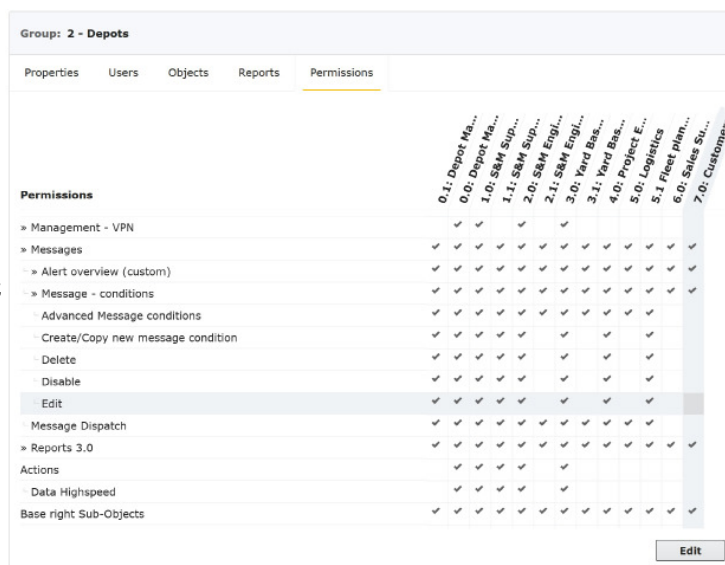
- in addition to single alarm conditions, also set combined alarm conditions
- add a delay (the time that an alarm condition must meet before an alarm notification is sent)
- compose the text of the alarm notification yourself
- activate or deactivate alarm conditions (temporarily)
- select from the 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).



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.

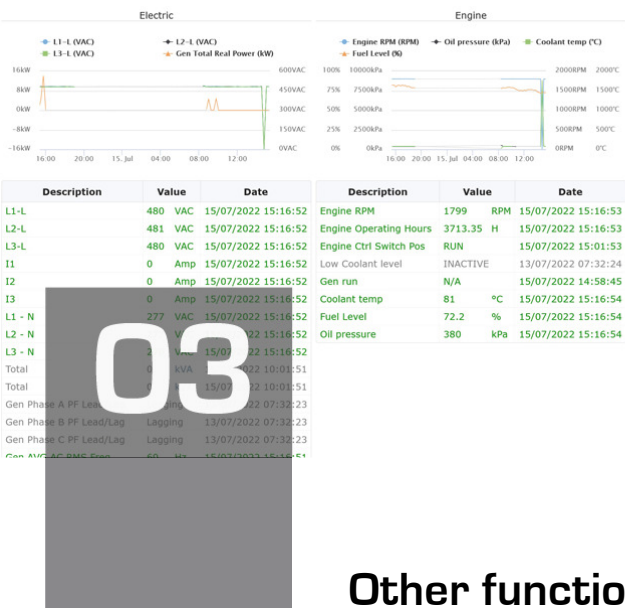


Permissions	0.1: Depot Ma...	0.0: Depot Ma...	1.0: SAM Sup...	1.1: SAM Sup...	2.0: SAM Engi...	2.1: SAM Engi...	3.0: Yard Bas...	3.1: Yard Bas...	4.0: Project E...	5.0: Logistics	5.1 Fleet plan...	6.0: Sales Su...	7.0: Customer...
» Management - VPN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
» Messages	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
» 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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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.