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Brief User Manual

User manual:	Mobifox Telemetry Webportal
Author:	Wolfgang Froitzheim
Version:	4.01
Data:	April 2018

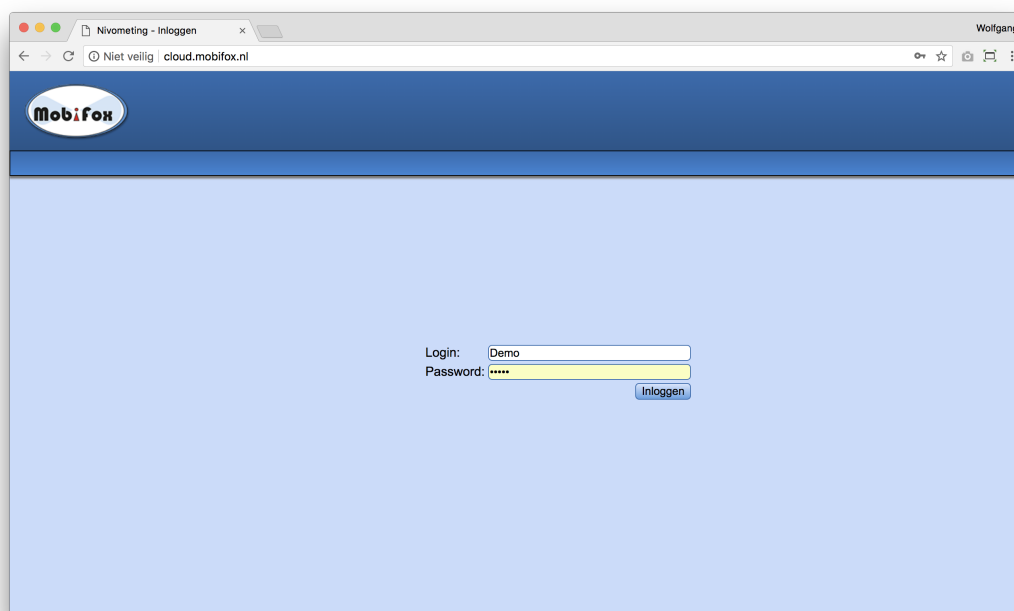
This user manual gives a brief description of the Mobiox webportaal or webapplication (webapp).

We advise to use Google Chrome browser for best presentation.

This manual uses Mobifox Cloud Server as an example. Every other private server can be used in the same way.

LOGIN

Login in server with your password/username

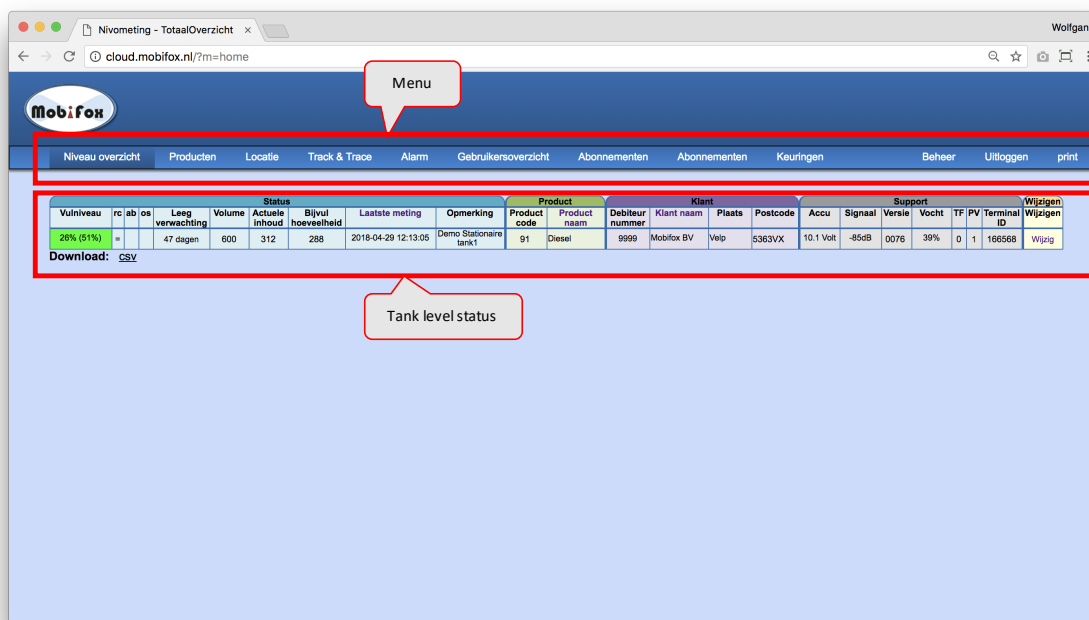




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NAVIGATE WEBAPPLICTION

Homepage of the webapp shows all registered tanks with an Mobifox level system.
Each tank present one line.



Tank level status:

Vulniveau	Level in tank. First percentage is percentage until reaching 'minimum stock level' (see 'Settings'). Second percentage is absolute level
Rc	Direction level compared to previous level. ie '=' same level; '\ ' decreased level; '/' increased level.
Ab	Automatic Supply. This is an option for a fuel supplier to mark a tank 'to be filled automatically without customer contact'.
Os	Order Suggestion. A tank can be marked as 'os' when 3 criteria has fulfilled: 1) Level below indicated minimum level and 2) tank is marked as automatic supply and 3) tank did send its level data during last 7 days. The webapp provides an automated data export file (.csv) with all tanks marked with OS. This data can easily be integrated in ERP application of fuel supplier.
Leegverwachting	Prediction of number of days when tank level will reach it minimum level. Prediction is based on an average daily decrease
Volume	Tank volume in liters, based on level table
Actual inhoud	Actual volume in liters
Bijvul hoeveelheid	Amount of liters that can be filled
Laatste melding	Last date and time when system send data to server
Opmerking	Free remarks
Product code	Product code

Mobifox BV
Garnizoenstraat 3
5363 VX Velp

IBAN:NL91RABO015066444
KvK: Haaglanden 27329778
BTW: NL8210.29.733



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Product name	Product name
Debiteurnummer	(End)customer number, customer can be tank user, or supplier
Klant naam	Customer name
Plaats	Customer location
Postcode	Zip code customer
Accu	Battery-level of system
Signaal	GSM signal strength
Versie	Software version of system
Vocht	Moister percentage on PCB
TF	Terminal function. The software on the system can have different kind of functions, like tank level, alarm, tracking tracing, etc
PV	Simcard provider code
Terminal ID	Terminal ID
Wijzigen	Change. This is an link redirection to terminal settings

Each column can be sorted by clicking on it.

SETTINGS

CHANGE TERMINAL SETTINGS

The screenshot shows the Mobifox web application interface. The top navigation bar includes the Mobifox logo and a menu with options like 'Niveau overzicht', 'Producten', 'Locatie', 'Track & Trace', 'Alarm', 'Gebruikersoverzicht', 'Abonnementen', 'Keuringen', 'Beheer', 'Uitloggen', and 'print'. The main content area displays a table with columns for 'Product', 'Klant', and 'Terminal'. A dropdown menu is open for the 'Wijzigen terminal' button, showing options like 'Terminal Beheer', 'Klant Beheer', 'Tag Beheer', 'Polltabellen', 'Support', and 'Credit beheer'. The table shows data for a terminal with ID 166568, including product details (Diesel), customer name (Mobifox BV), and location (Velp).



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The screenshot shows the 'Wijzig terminal' page in the Mobifox web application. The page has a navigation bar at the top with links like 'Niveau overzicht', 'Producten', 'Locatie', 'Track & Trace', 'Alarm', 'Gebruikersoverzicht', 'Abonnementen', 'Keuringen', 'Beheer', 'Uitloggen', and 'print'. The main content area is divided into three sections:

- Terminal list (left):** A table with columns: In, IMEI, TerminalID, nummer, Opmerking, debnr, naam. It lists several terminals, with the one selected being 355026071309559.
- Terminal details (center):** A form for editing terminal 353469047755053. Fields include: Klantnummer (99991), Update interval (1x per dag), Inbel tijdstip (3:52), Object Type (Tank), Status (Onderhoud), Opmerking, Opslagtank 1 (IBC 1000), Product (91 - Diesel), Minimum voorraad (25%), Sensor type (Vlotter 0.800 m), bodemvrijheid (200 mm), Bijvul beperking (100 % (max)), Automatische belevering (IBC2345 GPS), Keuring 1 (Type keuring 1: 15 jaar controle, Laatste keurdatum: 2017-10-01, Keuringstermijn: 60 (in maanden), Keuringsinstatie: Kiwa, Opmerkingen: Opmerking).
- Map (right):** A map showing the location of the terminal, with a red dot indicating the GPS location.

A Mobifox level systems is called 'terminal' in the webapplication.

By clicking on one of the pre-registered terminal lines on left side of the window, all details of the registration appear.

In the middle part of the screen all settings can be done:

Terminal details	
Terminal 355026071309559	Hardware serial number of terminal/system
Klantnummer:	Customer number (see also customer settings)
Update interval:	Periodical update interval for sending measure data
Inbel tijdstip:	Time when terminal should send its data daily
Object type:	What kind of object icon should be presented on screen
Status:	Status of terminal: Active, Non-active, Onderhoud (support), defect (broken). The status can be selected in menu, under 'Niveau overzicht'
Opmerking:	Free remark to fill in
Opslagtank 1 (by checking the box, all tank details can be filled in. Per terminal maximum of 7 tanks can be registered. At least on tank should be registered per system).	
Opslagtank:	Select corresponding tank level table (see also Settings Peiltabellen)
Product:	Select corresponding product (see settings Product)
Minimum voorraad:	Select minimum stock level
Sensor type:	Select corresponding sensor
Bodemvrijheid:	Indicate in mm the distance between bottom tank an end of



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	sensor. This part can not be measured. However it is necessary to measure the correct level
Bijvul beperking:	Indicate to which height the tank can be filled. This percentage is used for calculating the litters to fill (see scheme homepage)
Automatische belevring	Select this option to get an export file with only the customers that are automated supplied when level is low
Opmerking:	Free remark
Keuring 1 Optional a database can be filled with details of tank inspection. Maximal 3 inspections per tank can be registered. See menu 'Keuringen' for list of inspections	
Type keuring 1:	Select corresponding inspection
Laatste keurdatum:	Indicate last inspection date
Keuringstermijn:	State number of months that tank needs a new inspection. This duration will be used for in time notification per email
Keuringsinstantie:	Party of inspection
Opmerking:	Free remark
Meldingen By filling in an email address or addresses, messages will be sent when below actions appear:	
Tijdzone alarmmelding	An alert email will be sent when level decreases within an certain time-zone. This is an optional setting. Terminal needs to have Time-zone alarm function activated and additional hardware
Batterij spanning	An alert email will be sent when battery power is getting below minimum ie. 8,6V
Vochtigheid	An alert email will be sent when moister of PCB is getting above maximum ie. 90%
Minimum nivo	An alert email will be sent when tank level is getting below minimum level (see minimum stock settings)
Keuringsdatum	An alert email will be sent 2 months before ending inspection deadline (see inspection settings)
Wegvallen externe voeding	An alert email will be sent when external power is gone. System uses its backup battery. This is an optional setting. Terminal needs to have alarm function activated and additional hardware
Systeem is uitgeschakeld	An alert email will be sent when alarmsystem is deactivated. This is an optional setting. Terminal needs to have alarm function activated and additional hardware

After changing some settings, always click 'Wijzigen' (change)



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CUSTOMER SETTINGS

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In customer settings menu, all end user details can be registered.

Wijzig klantgegevens:

Volgnr	Naam	Adres	Postcode	Woonplaats	Tanks
1	Mobifox BV	Garnizoenstraat, 3	5363VX	Velp	6
2	Mobifox BV	Birk 35	2516BE	Den Haag	0
3	Mobifox BV	Industrieweg 1	1234AB	Amsterdam	0

Let op: bij verwijderen worden de tanks automatisch terug gekoppeld aan 'volgnr' 1.

[Wijzigingen opslaan](#) [Nieuw afleveradres](#) [Adres verwijderen](#)

Klant (2)

Debiteurennummer: 9999 volgnr: 1

Naam: Mobifox BV

Adres en Huisnummer: Garnizoenstraat, 3

Postcode: 5363VX

Woonplaats: Velp

[Weergeven op kaart?](#)



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By clicking on a customer registration on the left side of the screen, all registered customer details will show.

To change registered customer, click a line in the right part of the screen. Below a setting will show up. All settings can be changed.

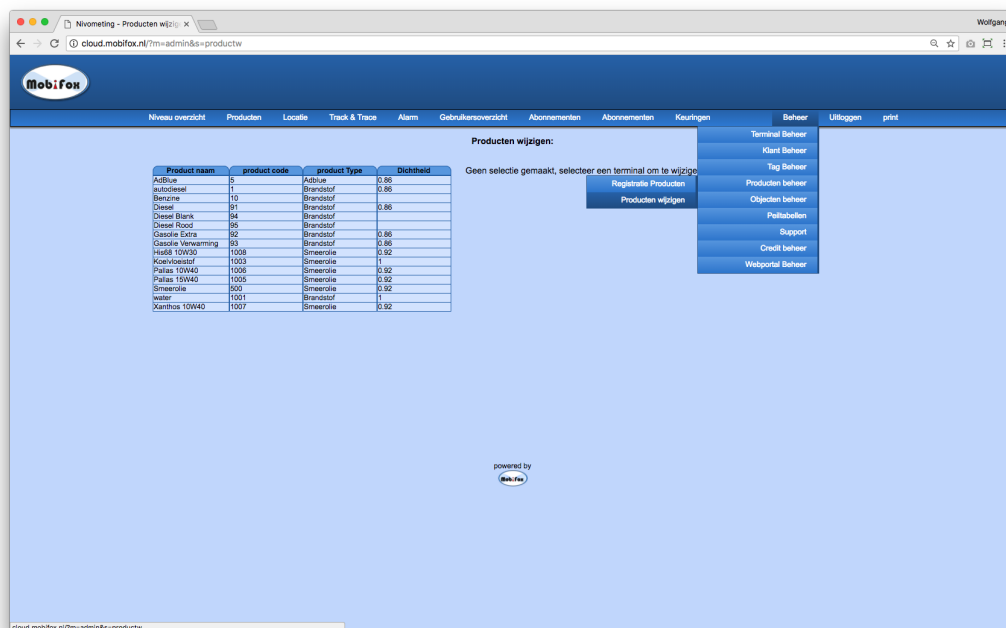
Klant (2) Customer no. 2	
Debiteurennummer:	Register Customer number
Naam:	Register customer name
Adres en huisnummer:	Register customer address and house number
Woonplaats:	City
Weergeven op kaart?	If the address is set correctly, google maps will show the location on the map. If google can not found location, you can point location manually. PS. If terminal is registered to this customer and uses GPS, the tank location will use GPS location

All changes should be saved by clicking: 'Wijzigingen opslaan'

To register a new customer, click 'Nieuw afleveradres' and register new customer.

PRODUCT SETTINGS

A list with products are already in the webapp. However new products can be registered.



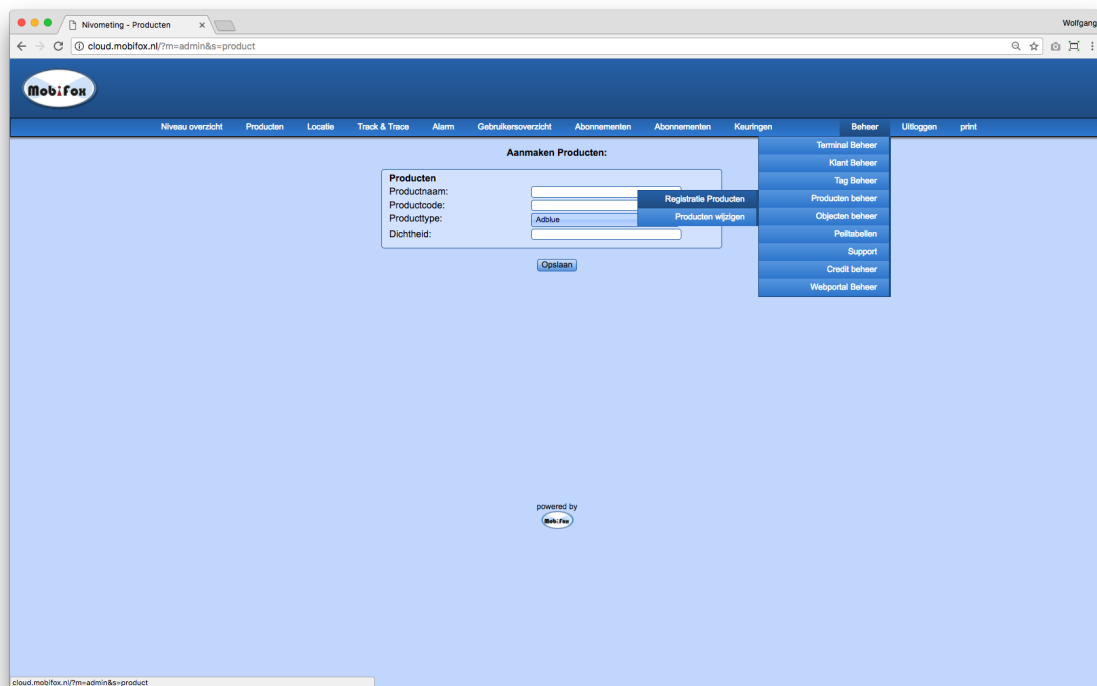


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Producten Products	
Productnaam:	Register Product name
Productcode:	Register Product code
Producttype:	Select: Adblue; Brandstof (Fuel); Smeerolie (Libricant)
Dichtheid:	Density. Normally Diesel has an density of 0.86 and lubricants about 0.92



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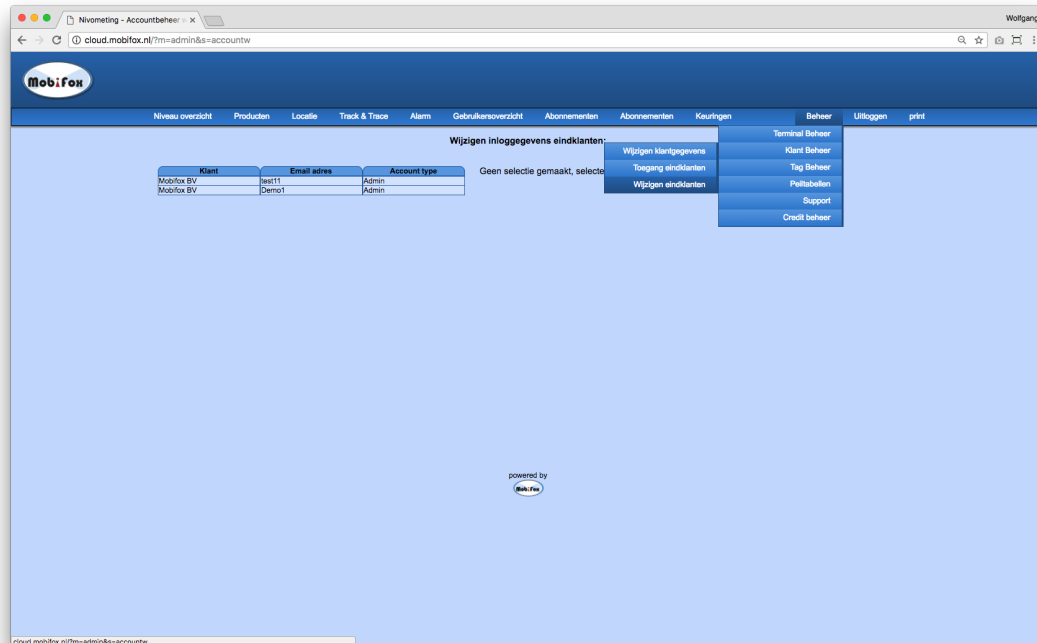
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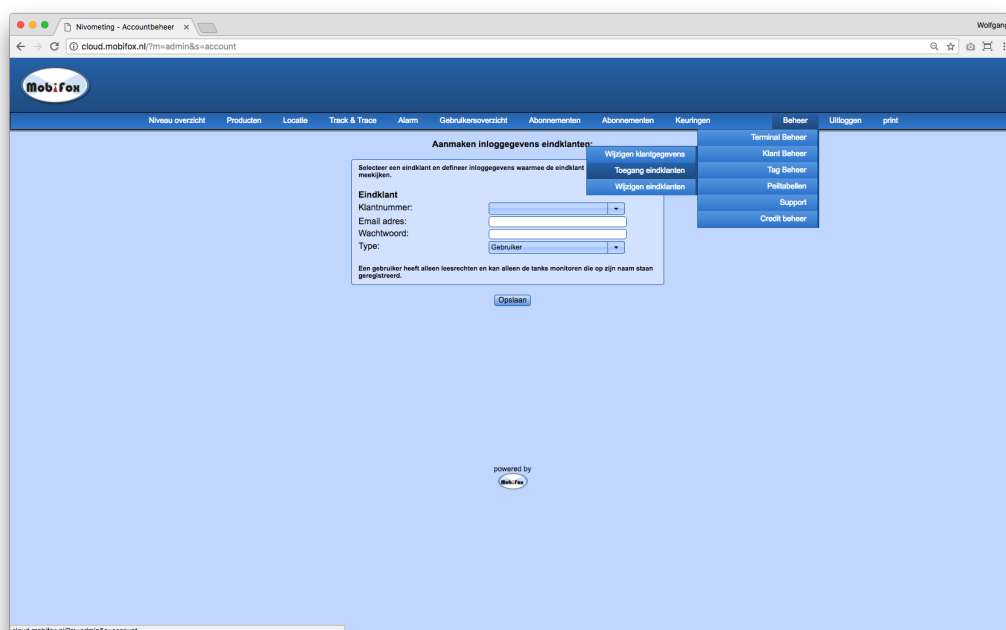
LOGIN ACCOUNT

To give users access to the webportal, inlog accounts can be set.

Changing accounts



Creating new accounts



Eindklant
End user

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Klantnummer:	Type customer number that has been registered
Email adres:	Register email address to set User name. PS it does not have to be a email address.
Wachtwoord:	Password
Type:	Select type of account. Gebruiker (User) can do no changes. Admin can modify settings.