

SMART CITY MESSENGER  
**VW 750**



**EBO  
VAN  
WEEL**

TRAFFIC SYSTEMS



# DEVELOPED FOR TRAFFIC INFORMATION AND EVENT CROWD MANAGEMENT

COMPACT SIZED, SOLAR-POWERED AND  
MANAGED WITH TRAFFIC FLEET





**THE POPULATION IN THE  
CITIES INCREASES, SO DOES  
THE REQUEST FOR MOBILITY**

EFFICIENTLY MANAGE ACCIDENTS,  
TEMPORARY DIVERSIONS AND EVENTS

# CARBON NEUTRAL, MANOEUVRABLE IN NARROW SPACES AND MANAGED WITH TRAFFIC FLEET.

These were the challenges we wanted to tackle with the VW 750. A reliable solar-powered VMS-trailer, equipped with the latest technologies, to inform and guide road users during events, temporary diversions and accidents.

## WHY WE DEVELOPED THE VW 750

The request for traffic information in the inner urban areas increases and so does the request for enhanced mobility. This challenged us to develop a new VMS-trailer to satisfy these requirements. A VMS-trailer that is compact sized, carbon neutral and managed online with Traffic Fleet.

## ENVIRONMENTAL FRIENDLY - CARBON NEUTRAL

A well balanced energy management has enabled us to develop an environmental friendly VMS-trailer without emissions. Especially inner urban areas are sensitive for pollution. By means of the power of solar energy and an energy efficient full-colour LED-display, a solution is provided.

## SIMPLICITY AS THE CORE OF THE PRODUCT

Due to the fact it has a single axle and a weight of 710 kg, an individual is able to move the VMS-trailer with ease. Thanks to the hydraulic extendable LED-display the VMS-trailer will be operational in an instant. At the same time the LED-display is able to rotate 360 degrees, which benefits the visibility of the display and improves it's manoeuvrability.

## ONLINE MANAGEMENT VIA TRAFFIC FLEET

An user-friendly application to manage all your traffic systems with your desktop, tablet and smartphone. Many innovative smart mobility applications assist you in managing your fleet.

## ABOUT EBO VAN WEEL

EBO van Weel was established in 1963 and first started with the manufacturing of trailers. At a later stage EBO van Weel specialized also in custom made truck bodies. In 1978 the first mobile traffic systems were developed in cooperation with the Dutch Ministry of Transport. From that moment a new industry was born.

### Mission statement:

*"EBO van Weel believes in a future whereby the demand of traffic solutions will grow inherently to the increasing mobilisation of society. EBO van Weel will contribute by means of an enhanced cooperation between sustainable hardware and innovative software intended for mobile traffic systems."*



Production facility in the Netherlands





EDO  
VAN  
WEEI

THIS TRAILER IS CERTIFIED WITH  
**CE + NEN12966**

EDO  
VAN  
WEEI



# THE VW 750 CAN BE DEPLOYED FOR MANY DIFFERENT USES THANKS TO THE EXTENSIVE AVAILABILITY OF UP-TO-DATE TRAFFIC INFORMATION.

## DYNAMIC TRAFFIC INFORMATION – DISPLAY CURRENT TRAFFIC INFORMATION ON YOUR VMS-TRAILERS

Traffic Fleet enhances the deployability of the VMS-trailer due to the availability of a wide range of up-to-date traffic information.

Traffic Fleet collects data from several sources, i.e. Floating Car Data, public transport, traffic control centres and other APIs, and makes this data available for dynamic animations.

With a few clicks in Traffic Fleet you can activate dynamic animations, displaying i.e. travel time information, the fastest route to a certain location, rail travel information or the availability of parking spots in a parking garage.



Dynamic traffic information

The deployability of the VMS-trailer is enhanced with a wide range of current traffic information.

## CROWD MANAGEMENT – FLUENTLY GUIDE TRAFFIC FLOWS AND EVENT CROWDS

Clearly and timely informing both road users and event crowds can improve the flow at bottlenecks.

With Traffic Fleet predefined scenarios can be activated to swiftly switch from scenario in case the situation changes.

The combination of its compact size and the features of Traffic Fleet make the VW 750 a perfect VMS-trailer for crowd management in areas with limited space.



Crowd management

Guide large crowd flows with the help of predefined scenarios, which can be activated with a few clicks in Traffic Fleet.

## ENERGY MANAGEMENT – EQUIPPED WITH HIGH QUALITY COMPONENTS TO EXTEND THE STAND-ALONE TIME

The foundation of the efficient energy management of the VW 750 is constituted from specially selected solar panels, batteries and an extraordinary energy efficient LED display.

In collaboration with the Austrian display manufacturer Swarco we developed a full-colour LED display, which uses the latest innovations regarding displays and is certified with NEN12966.

With this composition the VW 750 is able to function as stand-alone from April to September in Dutch weather conditions with 50% of the LED pixels in active state. This is unique amongst VMS-trailers.



Carbon neutral energy management

The energy efficient LED display, efficient solar panels and corresponding batteries result in an excellent energy management.



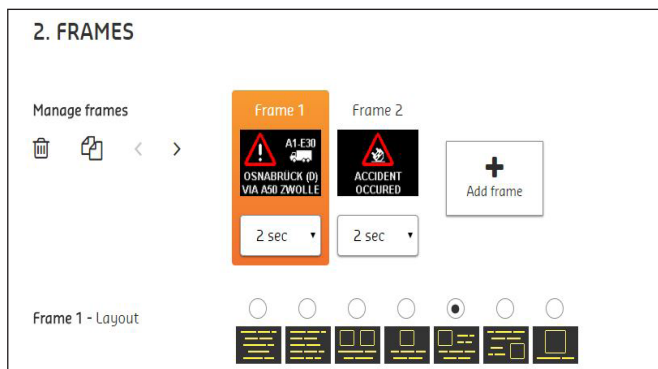


# THE ONLINE APPLICATION TO MANAGE ALL YOUR TRAFFIC SYSTEMS

USER-FRIENDLY, INTUITIVE AND CONNECTED  
AT ANY MOMENT, AT ANY PLACE



# WITHIN 10 YEARS THE ITS-LANDSCAPE WILL CHANGE RADICALLY. TRAFFIC FLEET IS CONTINUOUSLY DEVELOPING WITH NEW FEATURES ACCORDINGLY.



Traffic Fleet connects your equipment at any moment and any location.

Manage your fleet online with many underlying functions: such as travel journey time, Floating Car Data and a connection with Traffic Control Centre.

## TRAFFIC FLEET - THE ONLINE MANAGEMENT APPLICATION TO CONTROL YOUR TRAFFIC SYSTEMS

Traffic Fleet enables you to create animations in just a few easy steps, upload them within seconds to the VMS-trailer from a library and provides you a lot of innovative features, such as rental module, travel journey time, Floating Car Data and a connection with the Traffic Control Centre.

Via a Google map overview you are able to instantly watch over your fleet and quickly respond on push-notifications about warning, errors and service.



Local tablet control

Control your VMS-trailer locally with a tablet. The Traffic Fleet application provides you with a clear user interface when you modify the information on the VMS-trailer.

## LOCAL TABLET CONTROL - ADJUST YOUR VMS-TRAILER WITH A SINGLE TOUCH

Besides the online control EBO van Weel also offers local tablet control (available for Android, iOS and Windows). To give you the best experience we developed a clear application, which is easy to use. It enables you to create and upload animations within seconds and keep an eye on all status information of the VMS-trailer.

The application is helpful in cases where you are working in places with a poor 3G signal, such as crowd management and tunnels. Even then you will be able to manage the VMS-trailer.



Floating Car Data - Display accurate traffic information on your VMS-trailers

Flexibly display a variety of traffic information on your VMS-trailers without the need for additional hardware.

## FLOATING CAR DATA - ACCURATE TRAFFIC INFORMATION ON YOUR VMS-TRAILER WITHIN SECONDS

Floating Car Data (FCD) is an innovative method for measuring speed and travel time on the road network. By doing anonymous measurements of motorists data is collected per segment of 50 metres instead of the conventional 300 metres. This makes the data more accurate, which is especially helpful in case of traffic jams and accidents.

FCD is much more flexible than conventional measuring methods, such as Bluetooth, because of the superfluity of additional hardware. Furthermore the data is collected from all roads, whether or not this road has a measuring system, which makes the data available for routes that run from door to door.



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