

ROOF MOUNTED VMS  
**DAKDRIIP 3.0**



**EBO  
VAN  
WEEL**

TRAFFIC SYSTEMS



# THE BEST VISIBILITY FOR THE NEW GENERATION ROAD INSPECTOR VEHICLES

VISIBILITY THANKS TO THE LARGE 360° ROTATABLE  
LED DISPLAY AND SMART MOBILITY SOLUTIONS



# ALL CONTROLS BROUGHT TOGETHER IN ONE APP

THE ROAD SUPERVISOR CAN ACT QUICKLY AND SAFELY THROUGH THE APP FROM A SAFE SPOT IN THE INCIDENT ZONE

## DURING THE DEVELOPMENT OF THE ROOF MOUNTED VMS WE FOCUSSED ALL OUR ATTENTION ON THE VISIBILITY

To make the road inspectors more visible during incidents, the roof mounted VMS uses a large full color LED-display which can rotate 360 degrees. The road inspection vehicle is also digitally visible through innovative Smart Mobility solutions.

### EASILY CONTROL FUNCTIONS UP TO 50 METERS FROM THE VEHICLE

The road supervisor is enabled by the app on their smart-phone and tablet to control all functions from a distance up to 50 meter. In this app the road supervisor can send new animations to the VMS sign, lift/lower and rotate the position of the sign and control the Light Bar. Moreover, the user can also create new animations a all situations specifically.

This app helps the road supervisor to leave the vehicle as soon as possible when it arrives at a incident. In most of the times the vehicle is positioned in hazardous location with lots of approaching traffic.

### In short

*The road inspector has all the instruments of the inspection vehicle in one hand to carry out traffic interventions and position himself in a safe zone.*







# WORK SAFELY BY BEING VISIBLE FROM ALL ANGLES

LIGHT BAR AND LARGE SIZE LED DISPLAY  
360 DEGREE ROTATABLE

# THE ROOF MOUNTED VMS ALSO FITS TO THE DEVELOPMENTS OF E-VEHICLES. VANS ARE BEING USED MORE OFTEN.

## VISIBILITY IS OF GREAT IMPORTANCE

It is very important that the road supervisors are clearly visible with the road inspector vehicle during incidents. During operations, the vehicles are always in the most dangerous places on the road, especially during rush hour.

That is why the roof mounted VMS is equipped with a relatively large LED display of 80\*80 pixels (P12). This significantly improves visibility compared to smaller versions.

The large LED display allows for the projection of 96 cm traffic signs and a diagonal white arrow of approx. 120 cm. compared to existing systems, this is an increase of 200%



80\*80 Pixels LED-display from Swarco

De visibility increases by the usage of a larger VMS sign.

## MORE SAFETY THROUGH VERSATILITY OF FUNCTIONS

The roof mounted VMS can rotate 360 degrees. The system can therefore be directed towards the traffic in any situation for optimal visibility of both LED display and the light bar.

This is desirable in the following situations:

- Behind moving traffic (up-down only)
- Fend-off position in all positions (eg 35/45/55 degrees)
- Perpendicular to traffic (90 degrees). Think of complete closures or multiple lanes.
- Opposite (180 degrees) with display towards the front of the vehicle). Think of incidents on provincial roads where the road inspection vehicle is driving in opposite direction should be informed.



360 degree rotation for all traffic situations

With this function, the ROAD INSPECTOR can display the correct image modes in all traffic situations also in the opposite direction.

## LIGHT BAR FULLY INTEGRATED

The roof mounted VMS is equipped with ECE65 class 2 approved light bar (Amber, Blue, Red). R6 indicators have also been integrated, making it easy to comply with the incident management rules. On the rear there is extra attention value by extra modules that can also be used as Arrow bar.

Work lights are also integrated 360 degrees around the roof mounted VMS, so that the work area around the vehicle is well lit. The light bar is IP67 certified, which means that the roof mounted VMS can be used anywhere in the world and is also available in a combined color composition of up to 4 colors (amber, blue, red, white and green).



Light bar around the vehicle

All light bars incorporated in the roof mounted VMS





# **DIGITALLY VISIBLE BY USING INNOVATIVE SOFTWARE**

THE HARDWARE IS ALREADY PREPARED  
FOR SMART MOBILITY APPLICATIONS



# INCREASED SAFETY THROUGH DEVELOPMENTS SUCH AS EARLY WARNING NOTIFICATIONS, CAR2X COMMUNICATIONS AND TRAFFIC CONTROL CONNECTION



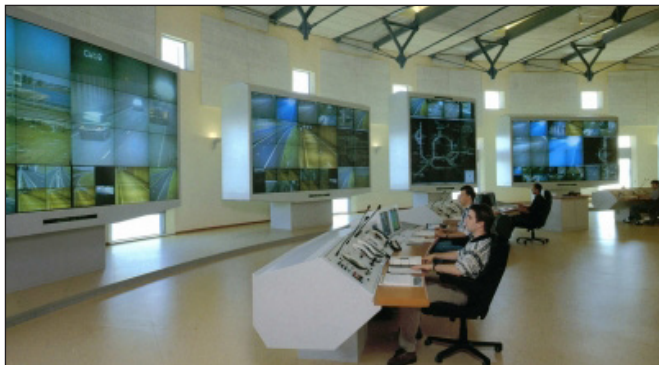
Early warning notifications

When using the road mounted VMS or the light bar, Traffic Fleet makes a report that is shared with platforms such as Flits Meister, Waze and the NDW.

## EARLY WARNING - VISIBLE IN FLITSMEISTER, WAZE AND THE NDW

The road inspector vehicle is in the most dangerous places during incidents. It is therefore important that motorists are warned early.

This can be done through early warning module via Traffic Fleet. This technology ensures that notifications are shared with users via platforms such as Flits Meister, Waze and the NDW. As a result, the attention value of the road inspector vehicle increases considerably.

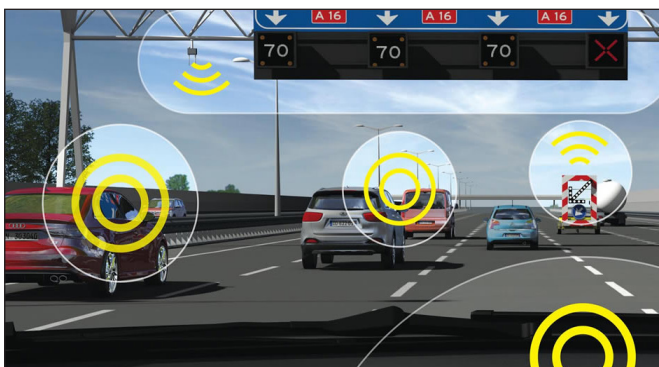


Connected with the traffic management center

A secured connection enables the traffic management center to stay up to date via a real-time overview of all road supervisors and their status/operations.

## CONNECT WITH THE TRAFFIC MANAGEMENT CENTER - A REALTIME OVERVIEW OF THE ROAD SUPERVISORS

Via Traffic Fleet (our online fleet management system) a secured connection could be set up with the traffic control center. This gives the ability to control the whole fleet of vehicle mounted VMS's real-time. Actual status information and potential errors can be read and reported accurately. Moreover, the availability of the road supervisor could be notified on the tablet. This enables the traffic management center to stay up-to-date constantly regarding the circumstances and the activities of the road supervisor.



Smart mobility applications such as CAR2X via ITS-5G

The road mounted VMS is ready for Car2X communication via the ITS 5G network. The communication is done via Road Side Unit (RSU).

## SMART MOBILITY - MAKE ROAD INSPECTOR VEHICLES VISIBLE WITH CAR2X TECHNOLOGY ON ITS-5G NETWORK

Vehicles can communicate with each other via the so-called CAR2X system. This offers the possibility to warn motorists when emergency services are on the route or at the scene. They will then see a warning message in their dashboard 10-15 seconds in advance. This technology is available on new cars from Volkswagen, among others.

The technology also provides the ability to prioritize emergency services when approaching traffic light systems. The road inspector vehicle will then be given priority for green light if it has to be on site urgently.

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