

GREENSIGHT II WITH INTEGRATED CAMERA

## Greensight II guarantees rear obstacle detection in the off-road and on road sectors.

### *Information for drivers!*

#### **The advantages of Greensight II**

- *Increased safety for people and objects behind vehicle*
- *Less damage leading to shorter downtimes and less insurance claims*
- *Detection only in the danger zone immediately behind the vehicle*
- *Greater safety and comfort for the driver; no automatic brake intervention, leaving the driver in control*
- *Even functions at night and in poor weather conditions*
- *Professional technology in accordance with technological standards (DIN, ISO)*



#### **Mitsubishi Camera Integration advantages:**

- *In cab camera system monitor allows the pre-warned operator to see the obstacle without leaving the seat.*
- *Additional side cameras can be added to decrease blind spots around the vehicle.*



YOUR EFFICIENCY IS OUR CHALLENGE

## Greensight II assists the operator

Operators of machinery and commercial vehicles must have nerves of steel. The area around the machinery is often very hard to survey and, with everything that is going on at the work site, the situation constantly changes. Collision-preventing systems have proved their effectiveness in the field. They reduce the chance of injuries and damages and make the work less stressful for the operator. Groeneveld have a solution for you, the new Greensight II is both an active and passive warning system and the only system to comply with international regulations.

## Camera integration

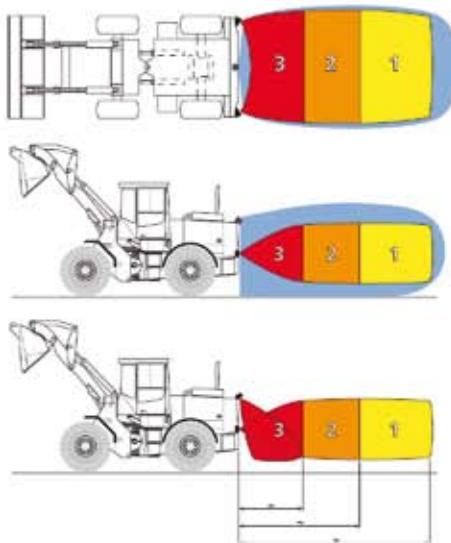
Greensight II detects objects by using ultrasonic technology and high quality calculation software. This makes the system highly reliable and accurate, even in bad weather conditions and darkness. Due to a combination of visual alerts on the monitor screen and penetrating sound signals, the driver will know exactly how far his vehicle is removed from an obstacle. The Greensight II camera system also puts an end to any uncertainty as to what the obstacle is. When any obstacle is detected, the camera image will appear on the in-cab monitor so the driver can immediately assess the situation. The electronics and the Greensight II monitor are permanently on standby during driving to prevent any delay in the detection and alert.

## How Greensight II works

Two sensor units use ultrasonic sound to monitor an area of up to 7 metres behind the machine. The area has been divided into three zones, each with its own clearly recognizable visual and sound alerts. Once the distance is less than 70 cm, the monitor will also display the word STOP.

Zone* (in accordance with DIN standards)	Distance to object	Monitor signal Light signal	Sound signal
No object in warning zone		green	none
First warning zone	Max. 7 m	yellow blinking light	2 x per sec
Second warning zone	1.7 m till 0.7 m	red blinking light	4 x per sec
Collision zone	0.7 m till 0 m	continuous red light	continuous sound alert

\* zones can be set to customer specifications



The detection area behind the vehicle can be set to customer specifications.

## Self test

The complete system including the detection units automatically performs a self-test within one second when the Greensight II is activated. The self-test provides an added security to ensure that the safety tasks will be performed reliably.

## Option: extra camera

Another useful option is the application of an additional standard camera. The second camera can be used, for example, for the detection of the space in front of the vehicle. This camera will then show any obstacles when the vehicle is moving forward.



## Option: Greensight II basic (no camera, no monitor)

Greensight II is also available without camera and monitor. This version consists of the ultrasonic detection units and a display unit with visual distance monitoring using LEDs and sound signals.

## Option: Smart Alarm

The smart alarm is available as an extra option for Greensight II. Smart-Alarm only generates a warning sound signal when there are objects or people within the detection zone. The sound level of the Smart-Alarm automatically adjusts itself to the sound level of the direct environment.

## Greensight II: the very best in safety

- Increased safety for people and objects behind vehicles
- Extra camera for blind spot detection (option)
- Detection area behind the vehicle can be set accurately
- Less stress and more comfort for the driver
- No automatic brake intervention, the driver remains in control
- Ultrasonic detection also functions in bad weather conditions and darkness
- Professional reliable technology
- Less damage resulting in less downtime

Greensight complies with the following standards:  
DIN 75031 ISO 122155 • EMC directives:  
95/54/EC 72/245/ECC