

EGOPRO SAFE MOVE



The risk reduction solution
for pedestrians and plants



EGOPRO SAFE MOVE

A RISK REDUCTION SOLUTION



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ANTI-COLLISION BETWEEN OPERATORS AND PLANT
AND BETWEEN PLANTS

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EGOPro Safe Move is a Proximity Warning & Alert Systems for mobile handling equipment, which signals through visual and sound alarm, the presence and position of pedestrians and/or other equipment operating around the vehicle, decreasing the risk of collision in all cases of poor visibility and in case of inattention.



MACHINE | OPERATOR



MACHINE | MACHINE

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DISPLAY Cabin device



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KIT EGOpro SAFE MOVE



Display and Alarm Unit

- Visual & Audible alarm
- Diagnostics
- Data log – Events Analysis
- Driver ID
- Configurable alarm



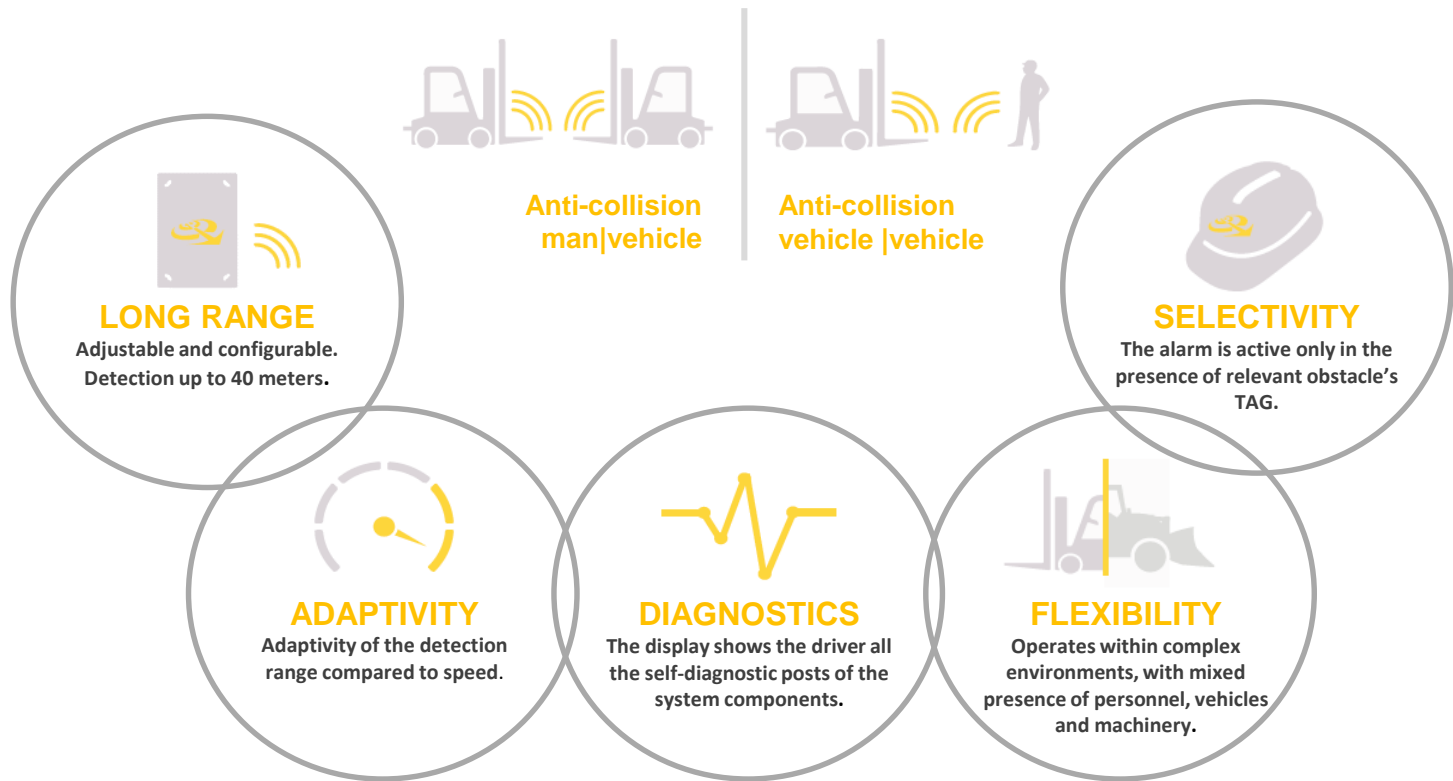
Long range Sensor

- 360° with 3+ sensors
- up to 40 mt. detection range
- Self diagnostics
- Digital outputs for connection to the forklift



Active PPE

- Long lifetime (3-5 years)
- Personal safety Tag integrated with PPE
- Driver ID





TWO THRESHOLDS – LONG RANGE

1°
STEP



Detection

Pedestrian detection with
Long Range technology
Up to 40 mt.

Alarm

Visual and sound alert of the
pedestrian position within the
hazardous area.

Triggering

Safety procedures triggering,
like, for instance, limiting the
speed at a pre-defined level.



TWO THRESHOLDS – SHORT RANGE

2°
STEP



Detection

Pedestrian detection with
Short Range technology
Up to 5 mt.

Alarm

Visual and sound alert of the
pedestrian position within the
hazardous area.

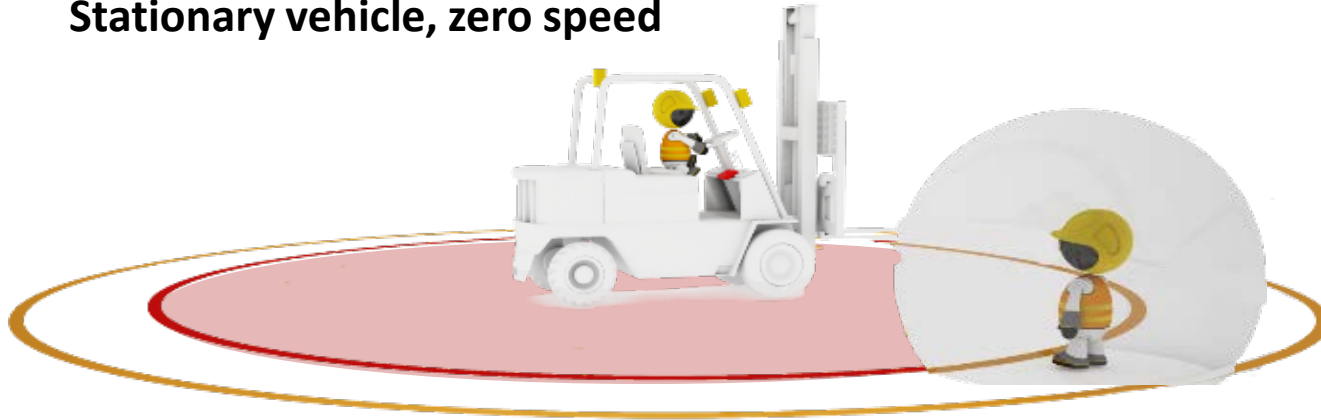
Triggering

Safety procedures triggering,
like, for instance, limiting the
speed at a lower level.



3°
STEP

Stationary vehicle, zero speed



Detection

Pedestrian is continuously detected within the hazardous area while the vehicle is staying still.

Alarm

Visual and sound alert of the pedestrian position within the hazardous area.

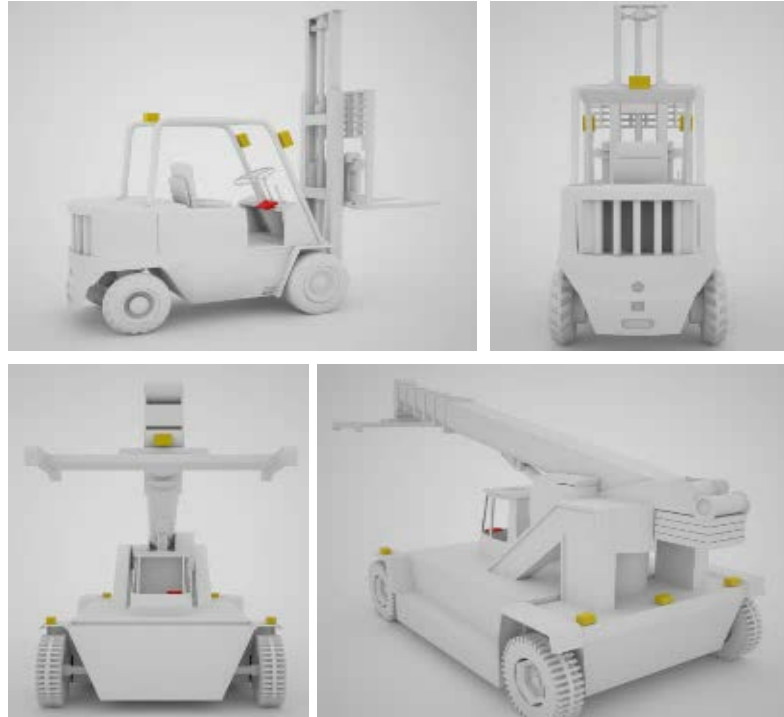
Triggering

As long as the pedestrian stays within detection, all functions are disabled (moving, lifting, ...)



ACTIVE SAFETY – SENSORS CONFIGURATION

The number of the sensors varies according to the type of the vehicle (up to 8)

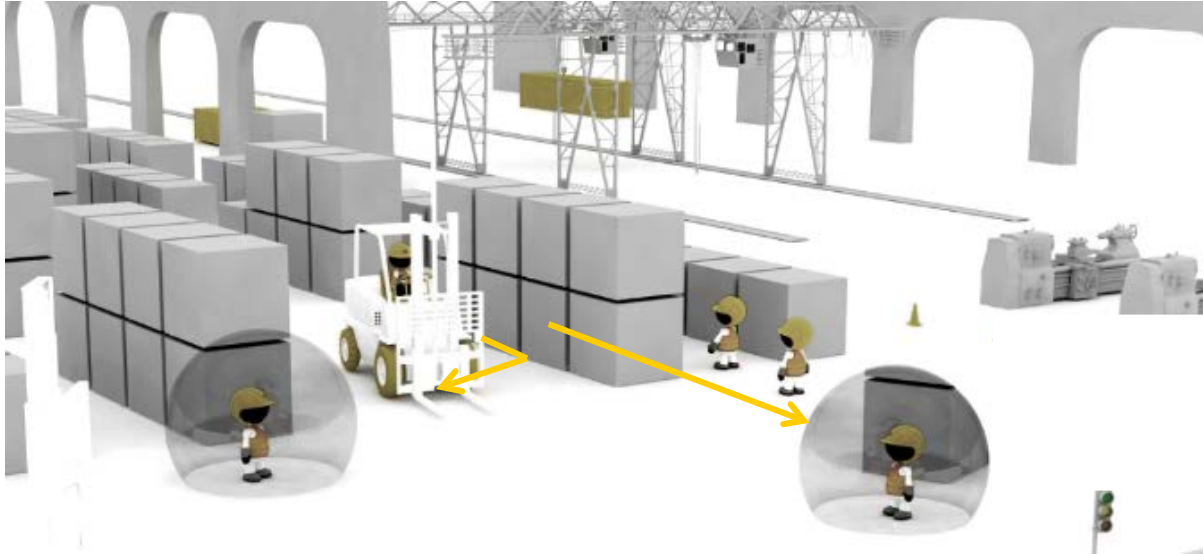




A system designed to prevent collisions between vehicles and men must ensure the right balance



EGOpro Safety Move lets you configure kind, intensity and period of alarm repetition.



The system allows to detect the threat within complex industrial facilities, characterized by the presence of personnel, various types of vehicles and machinery, shelving, aisles, buildings, materials of different shape, size and composition.

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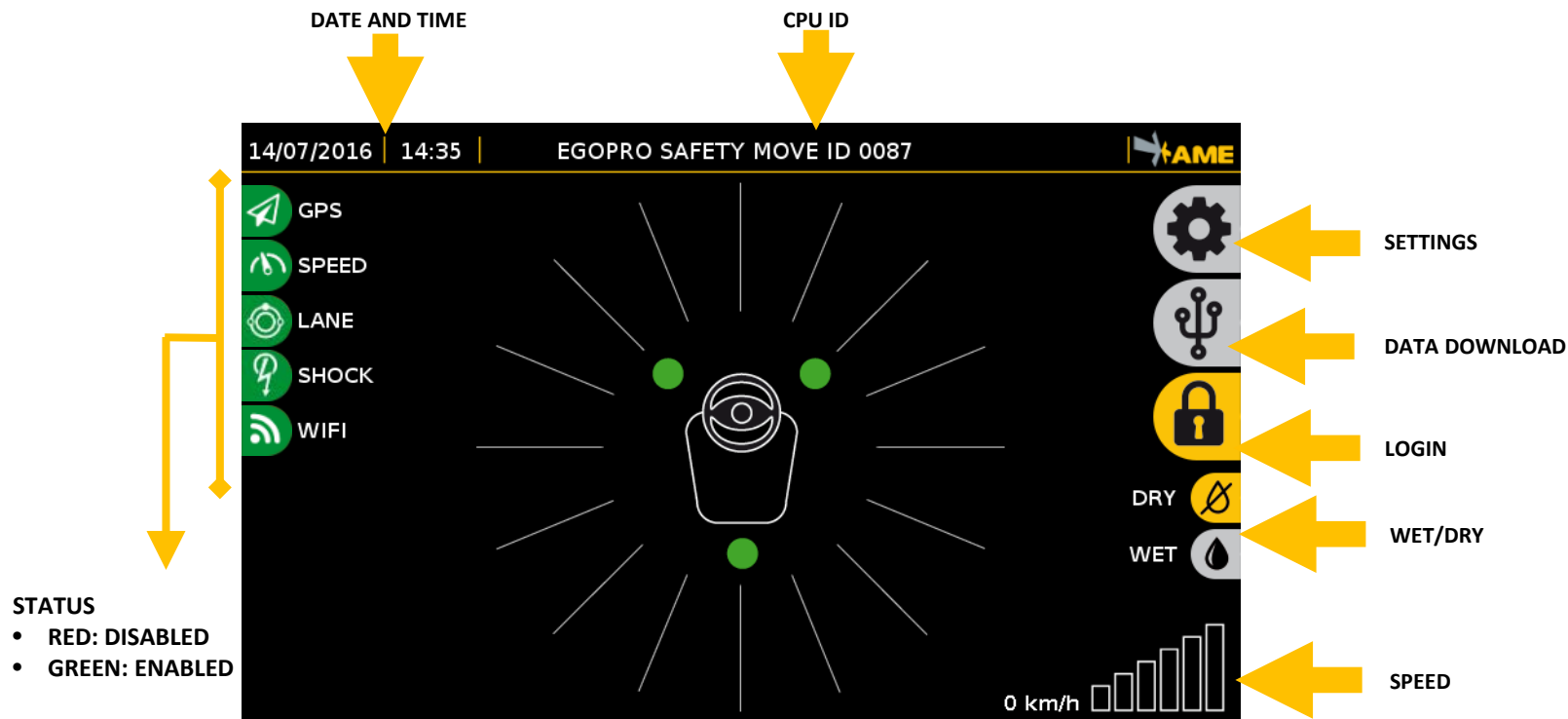


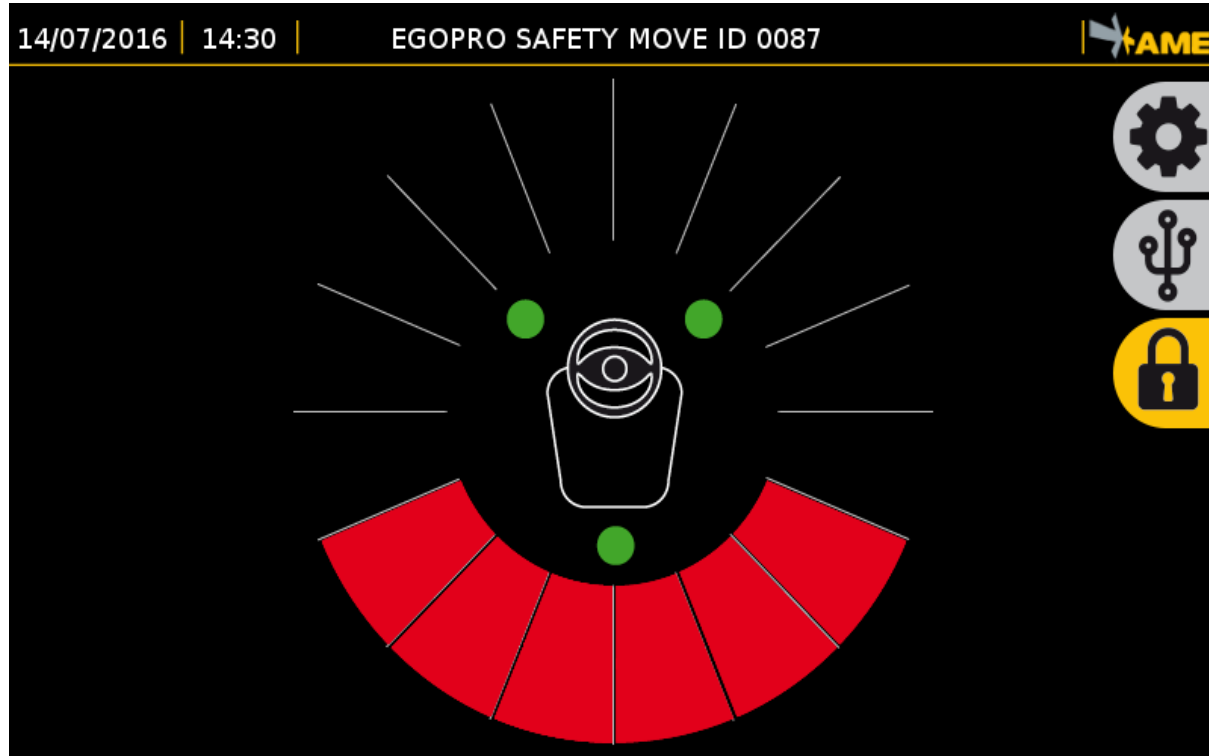
DISPLAY Cabin device





DISPLAY

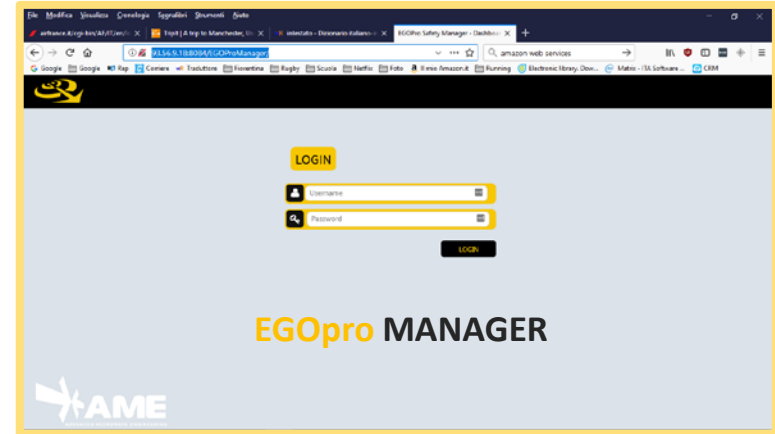


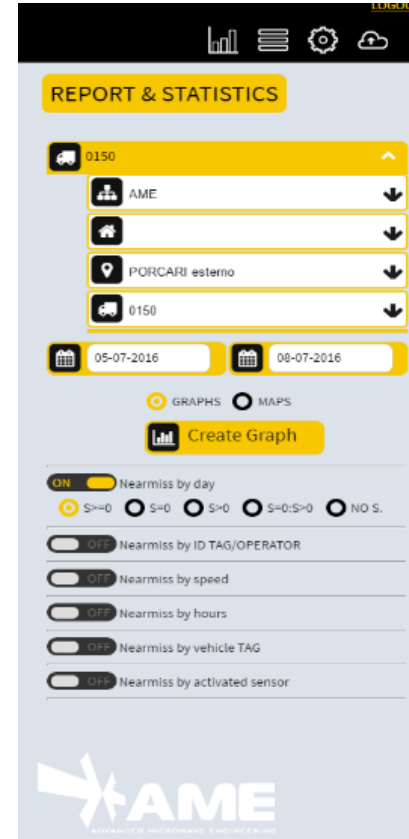
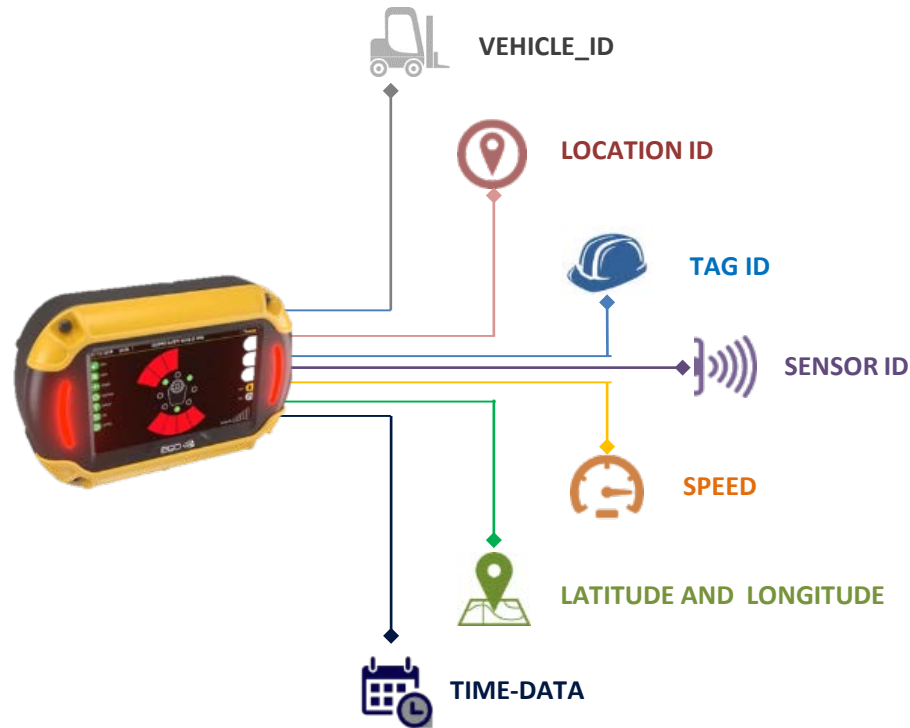




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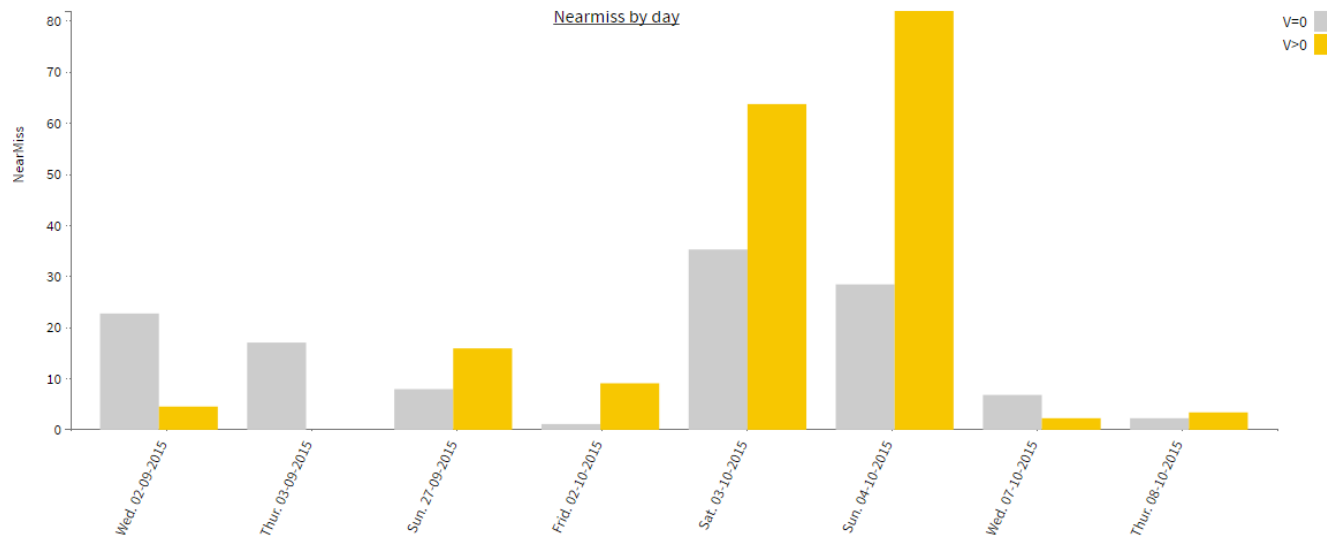
CLOUD BASED REPORTING SOLUTION







EVENTS BY DAY S=0 S>0



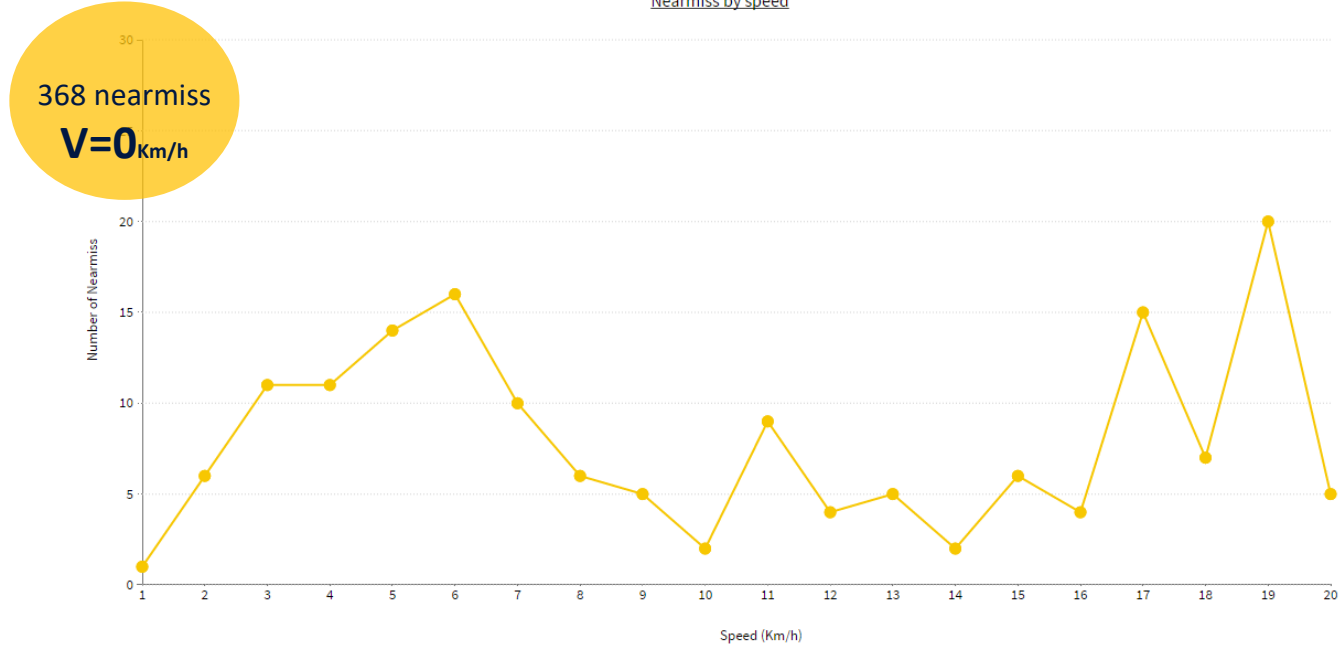
Group: AME, Company: [] Location: PORCARI esterno, Vehicle: All Vehicles

Day with maximum number of nearmiss: Sun. 04-10-2015



EVENTS BY SPEED

Nearmiss by speed



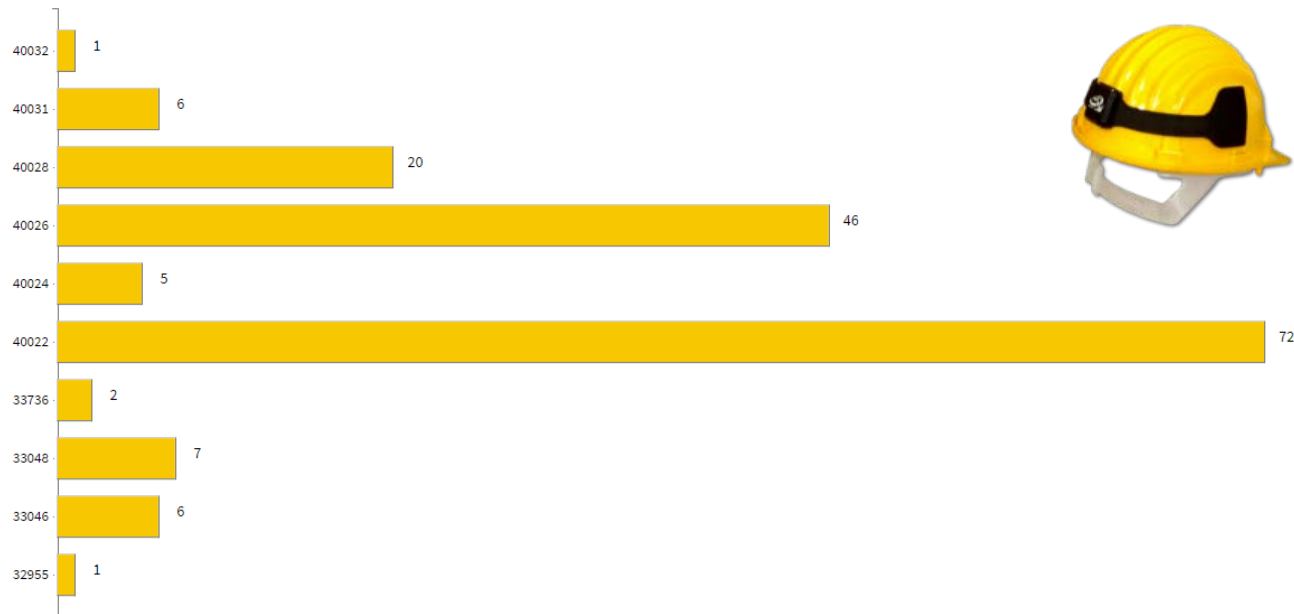
Group: AME, Company: [REDACTED] Location: PORCARI esterno, Vehicle: All Vehicles

Speed with maximum number of nearmiss: 19



EVENTS PER TAG

Nearmiss by ID TAG/OPERATOR



Group: AME, Company: [REDACTED], Location: PORCARI esterno, Vehicle: All Vehicles

Tag Id return maximum of NearMiss: 40022



EVENTS PER VEHICLE

Nearmiss by vehicle TAG



Group: AME, Company: Location: PORCARI esterno, Vehicle: All Vehicles

Tag Id return maximum of NearMiss: 155



EVENTS DENSITY



DATA

POSSIBLE OUTPUTS

**Hazardous
areas**

Events position
with speed > 0



Change site layout in most hazardous areas

Modify activities and/or their
timing in certain areas





KIT EGOpro SAFE MOVE



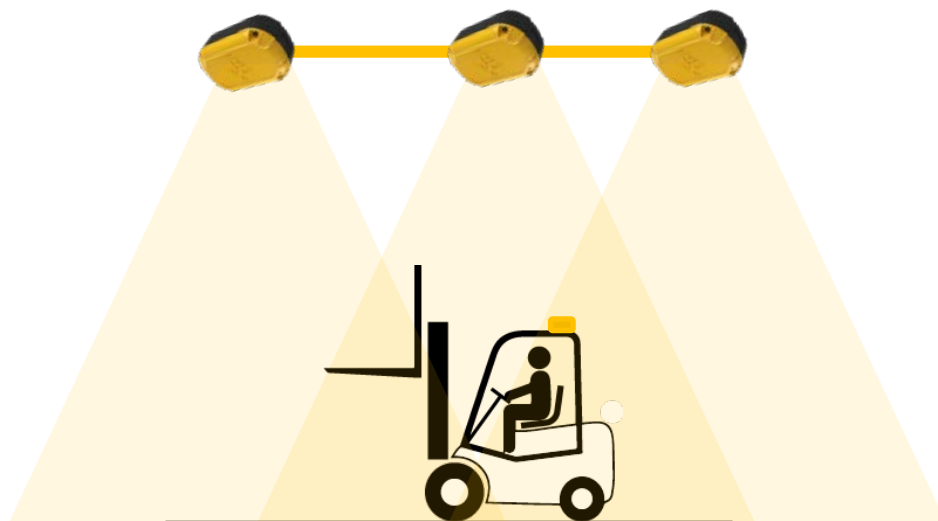
- MODULE M2M
- MODULE GPS
- MODULE SHORT RANGE
- MODULE BADGE
- MODULE AISLE
- MODULE SHOCK
- MODULE CHECKLIST
- MODULE WI-FI/4G
- MODULE SPEED



Interactions between vehicles and specific areas, delimited by virtual gates. The vehicle, crossing the gate, changes its speed according to safety procedures.

Possible triggers:

- ✓ Automatic speed limit
- ✓ Disabling or limiting of the lifting
- ✓ Lights switching on
- ✓ Automatic door opening
- ✓ Overhead lights switching on
- ✓ Visual signals
- ✓ Customizations



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