EGOPRO SAFE MOVE

The risk reduction solution for pedestrians and plants
EGOPRO SAFE MOVE
A RISK REDUCTION SOLUTION

EGOPRO SAFE MOVE
ANTI-COLLISION BETWEEN OPERATORS AND PLANT
AND BETWEEN PLANTS

ADVANCED MICROWAVE ENGINEERING
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.
DISPLAY
Cabin device
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
LONG RANGE
Adjustable and configurable. Detection up to 40 meters.

Anti-collision man|vehicle

Anti-collision vehicle |vehicle

SELECTIVITY
The alarm is active only in the presence of relevant obstacle’s TAG.

DIAGNOSTICS
The display shows the driver all the self-diagnostic posts of the system components.

FLEXIBILITY
Operates within complex environments, with mixed presence of personnel, vehicles and machinery.

ADAPTIVITY
Adaptivity of the detection range compared to speed.
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.
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.
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, ...)

EGOPRO SAFE MOVE
TWO THRESHOLDS – SHORT RANGE HOLD DOWN
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

SAFETY
Need to detect the presence nearby the equipment

EFFICIENCY
don’t bother the driver with too much alarming

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.
DISPLAY
Cabin device
EGOPRO SAFE MOVE

DISPLAY

DATE AND TIME

CPU ID

14/07/2016 14:35 EGOPRO SAFETY MOVE ID 0087

GPS

SPEED

LANE

SHOCK

WIFI

SETTINGS

DATA DOWNLOAD

LOGIN

WET/DRY

SPEED

0 km/h

STATUS

- RED: DISABLED
- GREEN: ENABLED

WET

DRI

ADVANCED MICROWAVE ENGINEERING
14/07/2016 | 14:30 | EGOPRO SAFETY MOVE ID 0087
EGOPRO SAFE MOVE

CLOUD BASED REPORTING SOLUTION

EGOpro MANAGER
EGOPRO SAFE MOVE
CLOUD BASED REPORTING SOLUTION

WI-FI
4G MODEM
USB

EGOpro MANAGER

AWS
EGOPRO SAFE MOVE
CLOUD BASED REPORTING SOLUTION

REPORT & STATISTICS

VEHICLE_ID
LOCATION ID
TAG ID
SENSOR ID
SPEED
LATITUDE AND LONGITUDE

TIME-DATA

GRAPHIC
MAPS
Create Graph

REPORT
08:30
AME

LOCATION
POKEARI odama
C/160

DATE
05-07-2016
06-07-2016

NEARMISS BY:
- DAY
- HOURS
- SPEED
- VEHICLE TAG
- ACTIVATED SENSOR
EGOPRO SAFE MOVE

EVENTS BY DAY S=0 S>0

Nearmiss by day

Day with maximum number of nearmiss: Sun, 04-10-2015
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EVENTS BY SPEED

368 nearmiss

$V = 0 \text{Km/h}$

Nearmiss by speed

![Graph showing nearmiss by speed](image)

- 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

<table>
<thead>
<tr>
<th>Tag ID</th>
<th>Count</th>
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<tbody>
<tr>
<td>40032</td>
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<tr>
<td>40081</td>
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</tr>
<tr>
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<td>32855</td>
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</tbody>
</table>

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

Tag ID return maximum of NearMiss: 40022
Nearmiss by vehicle TAG

Tag Id return maximum of Near Miss: 155
**EGOPRO SAFE MOVE**

**EVENTS DENSITY**

**DATA**

- Hazardous areas
- Events position with speed > 0

**POSSIBLE OUTPUTS**

- Change site layout in most hazardous areas
- Modify activities and/or their timing in certain areas
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OPTIONAL MODULES

KIT
EGOpro SAFE MOVE

1 DISPLAY
1 CPU
3 SENSORS

- 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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