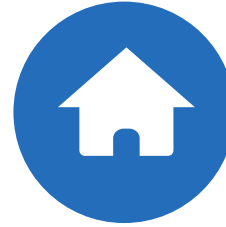# INSITU
SOLUTION AND TECHNOLOGY

OBSTACLE DETECTION SYSTEM FOR FORKLIFT'S OPERATION

CONTACT US:

- **Tel :** 02822 108 606
- **Email :** support24@insitu.com.vn
- **Website :** www.insitu.com.vn

Who We Are…

Establishment

INSITU was established in 2015, has headquarters located in Bangkok (Thailand) and Ho Chi Minh City (Vietnam). Executive management is people with long experience in the field of industrial software.

Roadmap

Since 2016: by building, creativity and we gradually owning the "Indoor Positioning" technology: Monitoring, analysis, tracking, and customized services (based on real-time location system)

Vision

To become a leading supplier of "Indoor Positioning Technology", building a human resource and infrastructure that will be sufficient for the construction - development - mastering of solutions, own positioning technology algorithms, similar to each other. Fully compatible with either software and the hardware that comes with it.

INSITU -INDOOR TRACKING SOLUTIONS -   Tel : 02822 108 606 | Email : support24@insitu.com.vn | Website : www.insittrack.com/

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Management Board

Le Tuan – Terry
C.E.O

Quoc Chan
C.T.O

Thierry Palasse
D.O.R

Nguyen Phuoc
D.O.S

Purpose of The Technology

The cause of traffic accidents, occupational accidents and unsafety at work comes from the driver's inability to observe and keep a safe distance

The radar sensor is an effective "cruise assistant" for the driver, determining the position, distance, and speed of people and vehicles around to control speed and limit the risk of collisions

If an obstacle is detected and the distance is not safe, the warning system will give warnings to the driver through the dashboard, indicator lights, sound horn, even **automatically stopping the engine**.

Not only that, but our technology can also be managed remotely, especially in the current era of digital transformation 4.0

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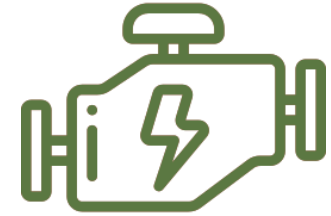
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Product Features

Detection and collision warning

Alarm warning in the event of a collision

Auto cut-off the engine before the event of a collision
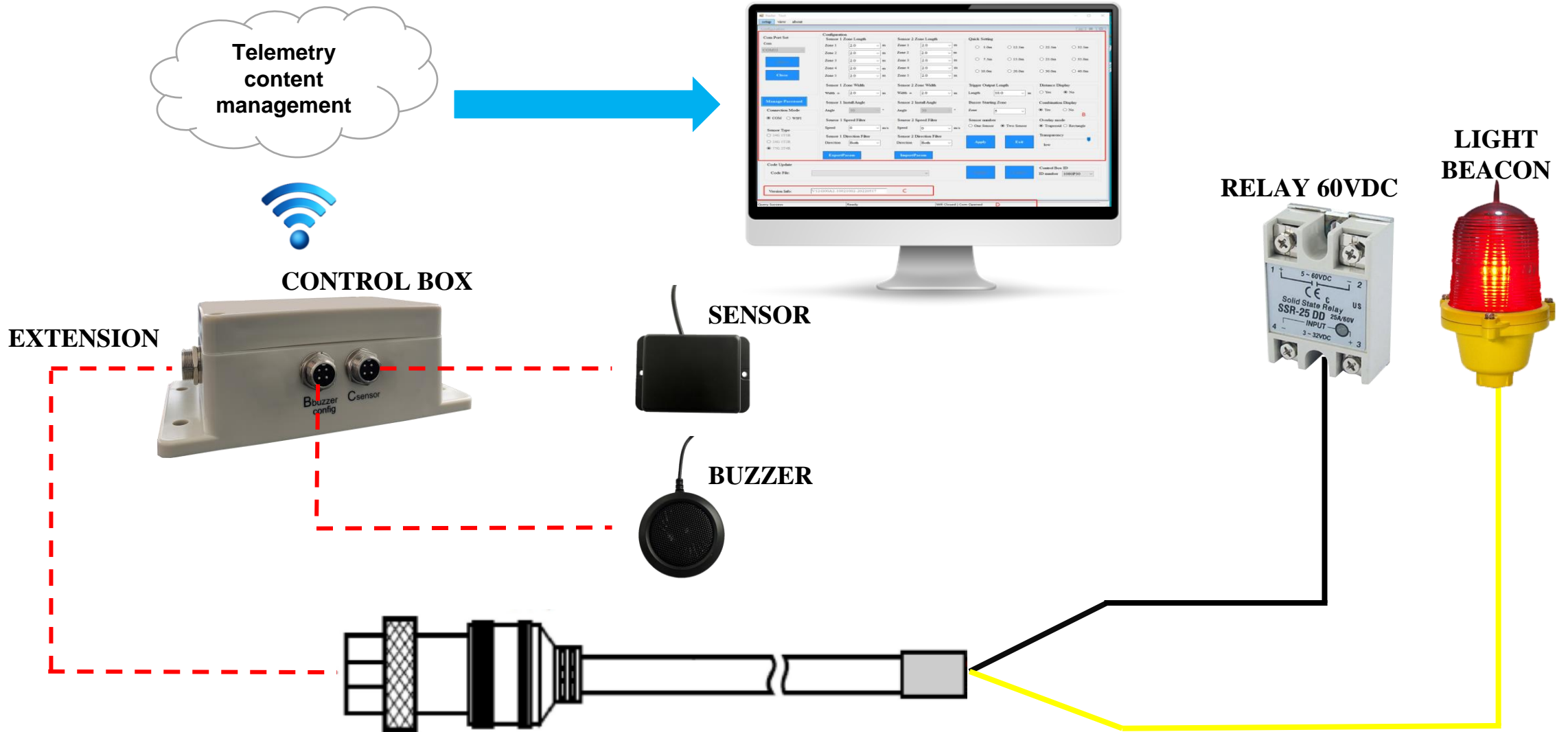
Cut-off engine remotely by application
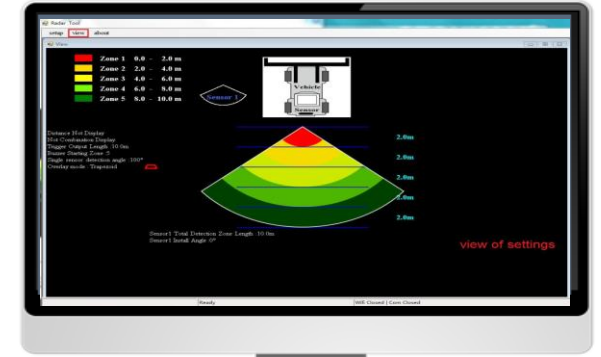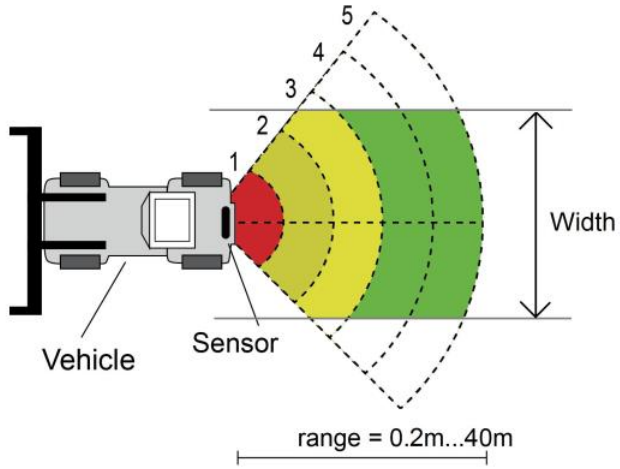
Telemetry content management

Rapidly after-sale maintenance service

B buzzer config   C sensor

System Connection Diagram

Installation

Alerts Description

Conditions	Visual	Buzzer
No Object Detected	None	Off
Object in Zone 5	Green	Bi-Bi-Bi
Object in Zone 4	Green	BiBi-BiBi-BiBi
Object in Zone 3	Yellow	BiBiBi-BiBiBi-BiBiBi
Object in Zone 2	Yellow	BiBiBiBi-BiBiBiBi-BiBiBiBi
Object in Zone 1	Red	Auto cut-off the engine

Width

range = 0.2m...40m

LIGHT BEACON

BUZZER

SENSOR

CONTROL BOX
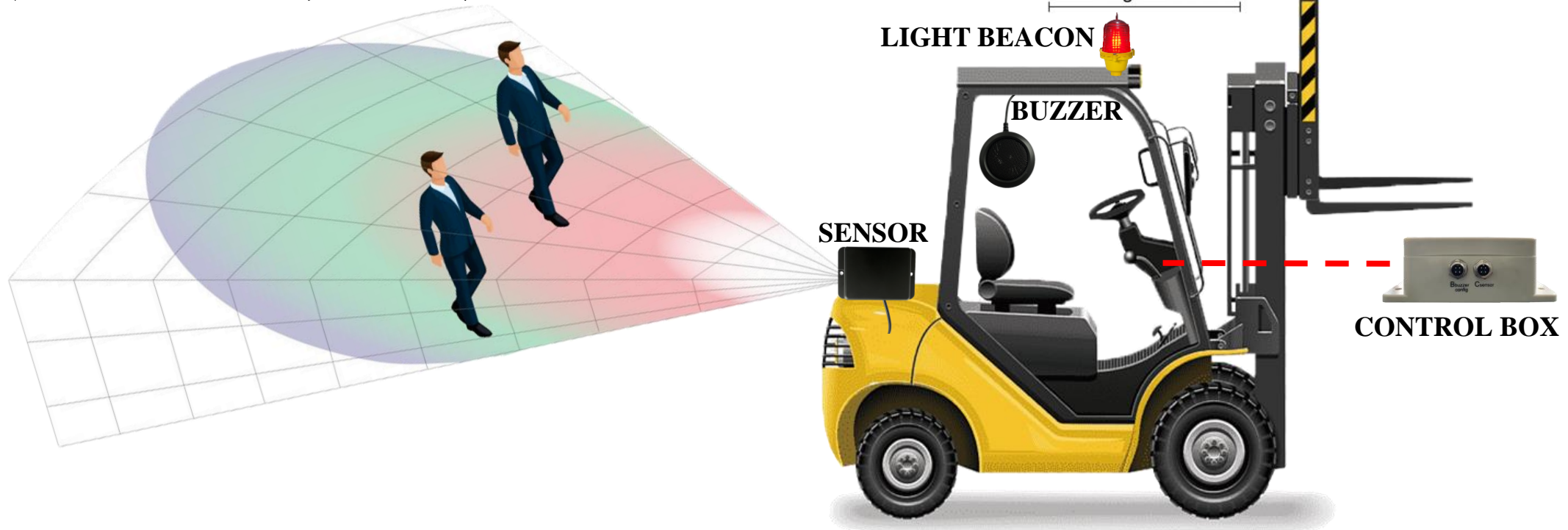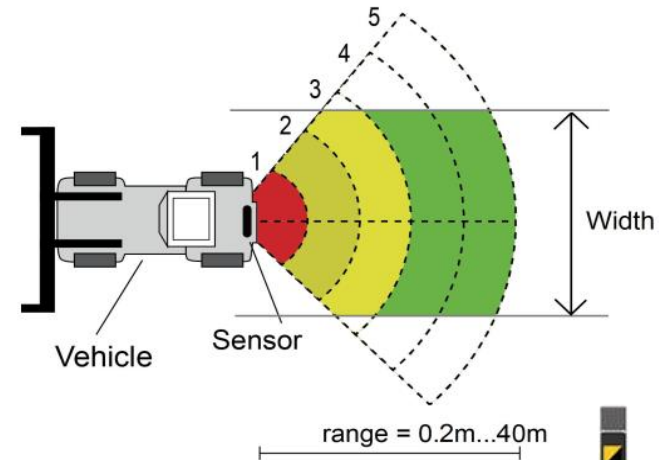
Auto cut-off the engine before the event of a collision
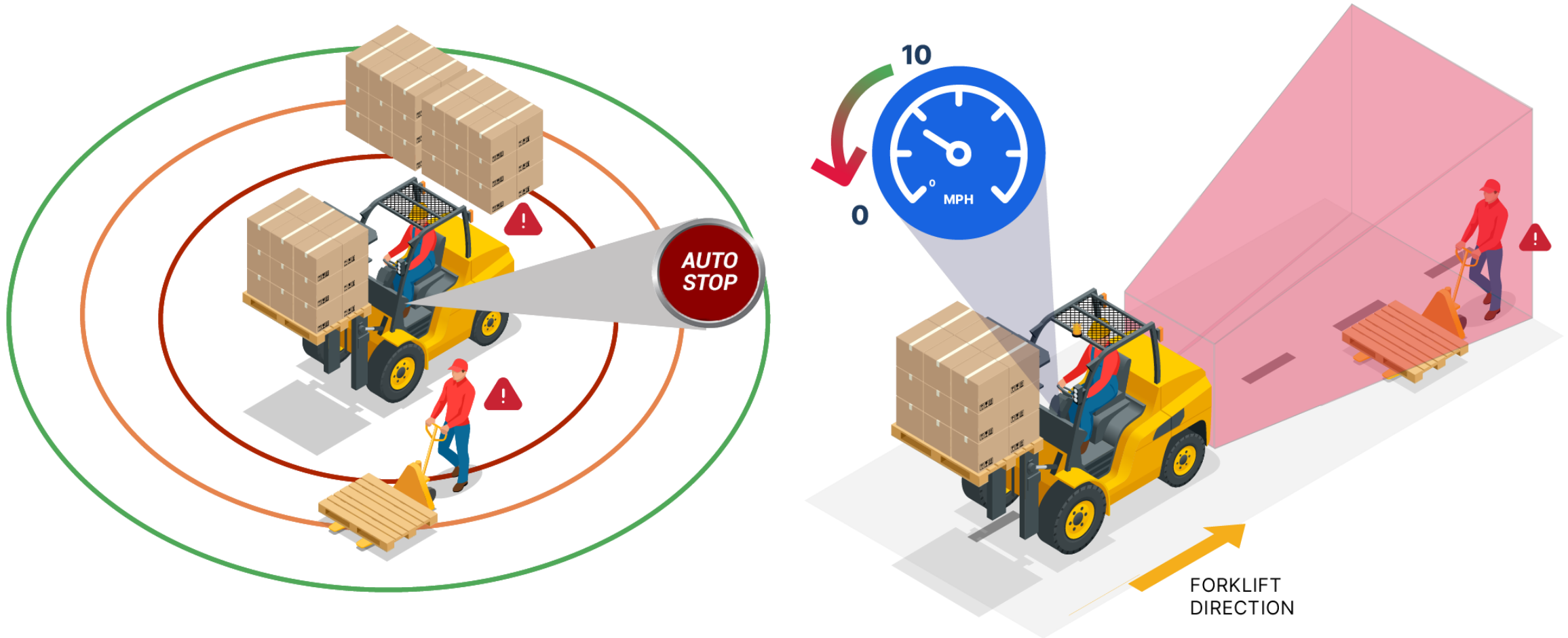
Dashboard for Site Management

❖ Below is the default Dashboard & Admin Panel to manage Site.

❖ The dashboard can be changed and optimized its lay-out based on your requirement.

FEATURES & FUNCTIONS:

❖ Detection level history report.

❖ Crash time history report.

❖ Cut-off engine history report

❖ Data analyze and statistics

After Sale – Advantages – Why Choose Us

Technology ownership:

- ❖ Good after-sales, care and maintenance, maintenance throughout.
- ❖ Troubleshooting right away **without** waiting for a 3rd party

- ❖ Developing and providing synchronously equipment and technology, ensuring high applicability according to the characteristics of each enterprise
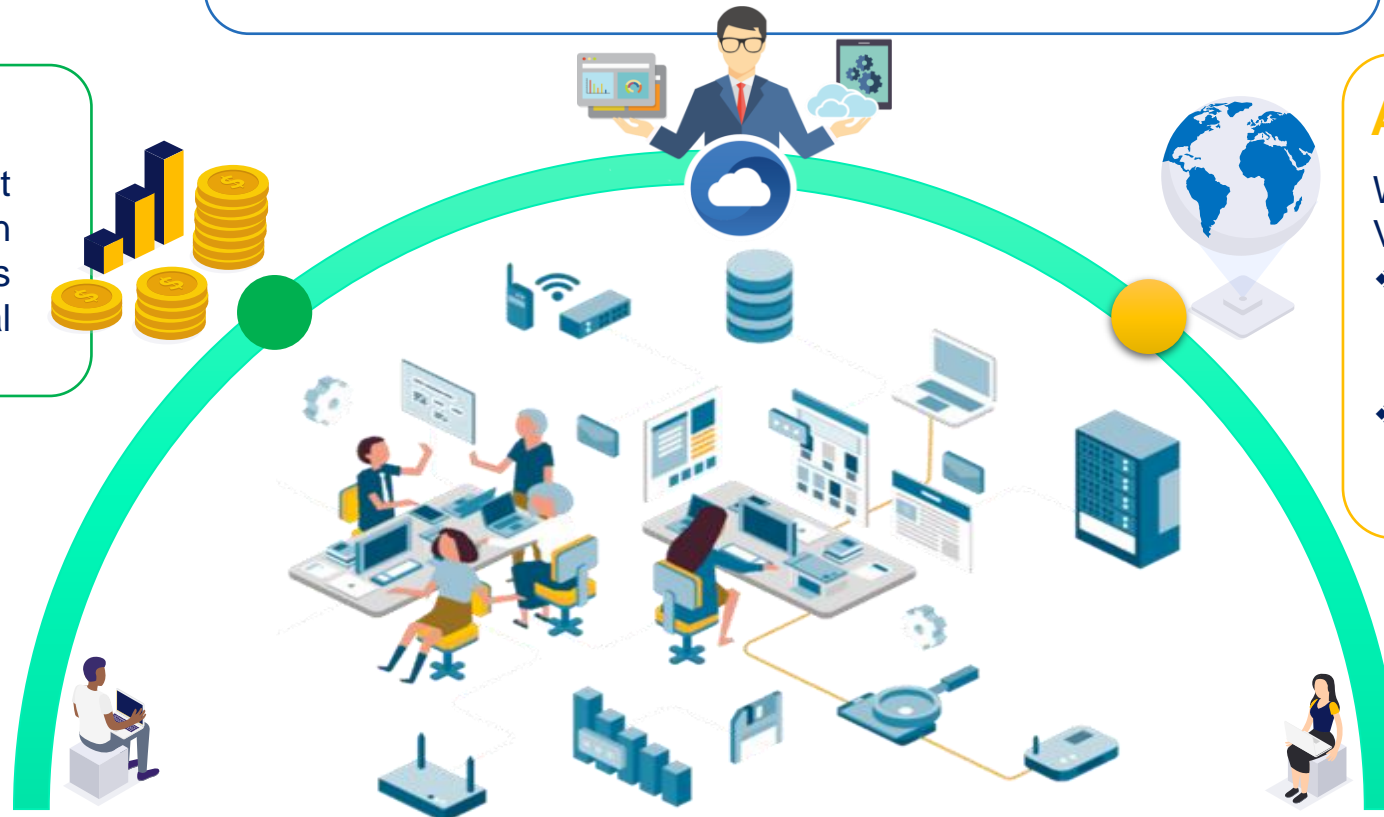
Flexible budget:

Solution deployment budget are flexible, depending on the environment, business characteristics and actual needs

About geography:

We are company based in Viet Nam, so:

- ❖ Giving support immediately when receiving issue happens
- ❖ No geo-restrictions lead to interruptions in work processing

After Sale – Maintenance – Why Choose Us

Devices (Hardware)

OEM-The core equipment of the system is designed and developed by INSITU

👍 After-sales policies, equipment maintenance, and replacement when there is a problem are actively provided according to the actual situation.

Source code (Firmware)

Source code is designed and developed by INSITU

👍 Ability to update and expand the applications in the system according to the needs

Software

The management backend & dashboard is developed by INSITU

👍 We build software according to the criteria and demand of customers, highly customizable

Storage

The server is located in Viet Nam, Or an on premise hosted at customer's site

👍 information security, all data is belong to customer.

Own technology

Thank you !