

INSITU

SOLUTION AND TECHNOLOGY

PROXIMITY COLLISION WARNING SYSTEM



CONTACT US:

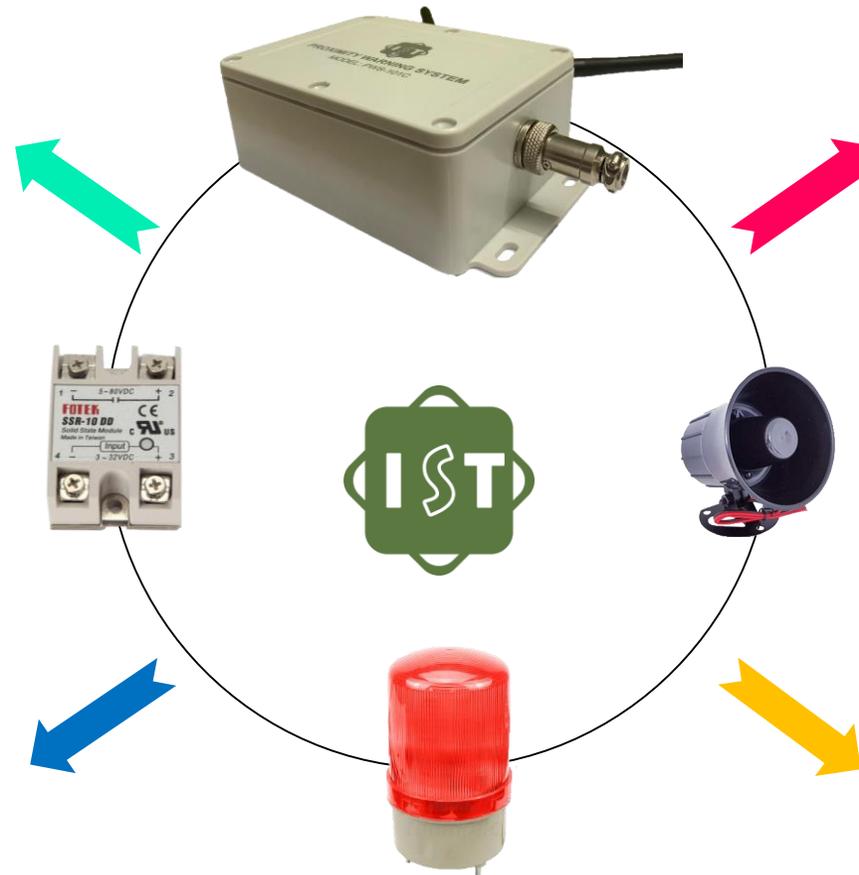
- Tel : 02822 108 606
- Email : support24@insitu.com.vn
- Website : www.insitu.com.vn

Why Our System Was Born



The causes of traffic accidents, labor accidents and unsafety at work are all due to people not observing and not keeping a safe distance as prescribed

If people and objects are detected in an unsafe distance, the warning system will warn the driver and the wearer of the warning device through the dashboard, indicator lights, sound horn, even automatically stopping the engine



The proximity collision warning system 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

Our technology can be managed remotely, especially in the current era of digital transformation 4.0 when everything is digitized



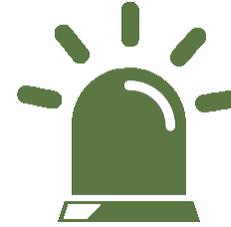
Product Features



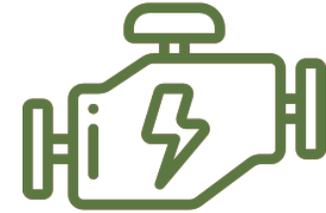
Vibration alerts for device wearers when a collision is imminent



Audible warning to the wearer of the device in the event of an imminent collision



Warning light in the event of a collision



Auto cut-off the engine before the event of a collision



Industry standard design



Cut-off engine remotely by application



Telemetry content management



Rapidly after-sale maintenance service



List of Equipment



TAG Helmet

- Electromagnetic Buzzer Sounding 85dBA
- Monitor battery capacity remotely
- Helmet belt
- Rechargeable 500mAh LiPo Battery
- Size: 41*41*15mm



TAG Wearable

- Vibration + sound alarm
- Monitor battery capacity remotely
- Bracelet
- CR2032 battery used for 01-02 months
- Size: 36*36*15mm



TAG Key

- No sound and vibration alarm
- CR2032 battery used for 02-03 months
- Back or neck tag
- Size: 46*31*11mm



Host Control Box

- DC IN: 24VDC – 48VDC
- Output: 1 x GX16-4P power and relay
- Output: 2 x GX12-2P for buzzer and indicator light
- Output: 2 x Antenna iPex
- Size: 115*90*64mm



Sirens, Indicators and Relay

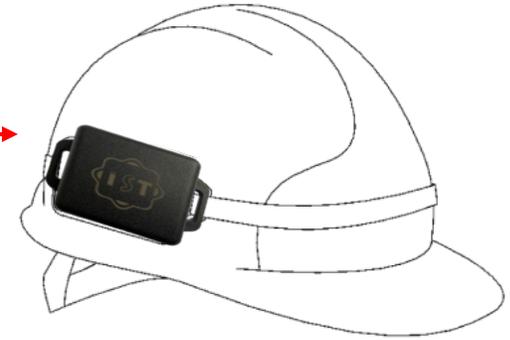
- LED Light Size: 160x93mm, Voltage 12VDC; Power: 10W
- Siren Size 107x100mm, Voltage 12VDC; Weight 0.5Kg; Intensity 110dB
- Relay SSR Load voltage max 60VDC; Max load current 25A; Size 60*45*23mm



Location of Wearing The Device On The Person



Tag Key IUT-E202-K



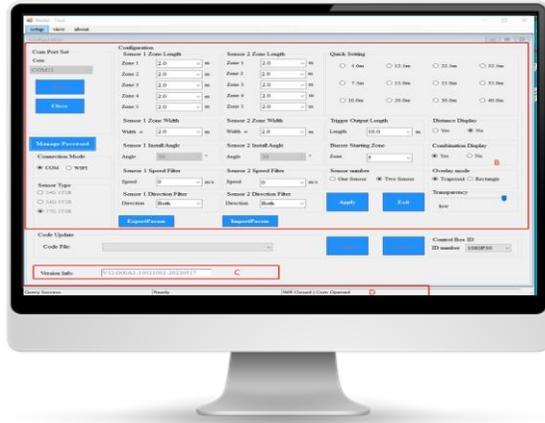
Tag Helmet IUT-E202-H



Tag Wearable IUT-E202-W



System Connection Diagram



HOST BOX



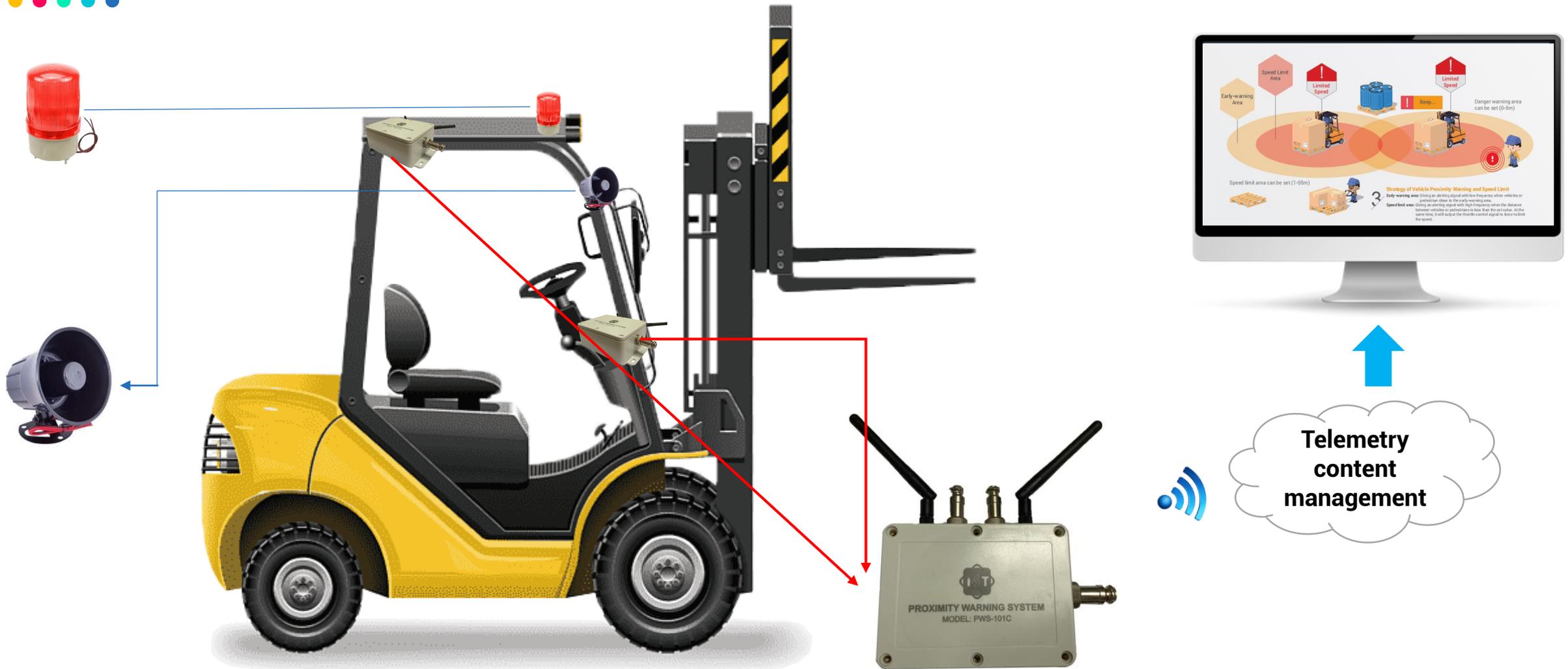
BUZZER



LIGHT BEACON



Installation Location And How System Works



Simulation Situation



 Forklifts sound their horns and flash warning lights

 Tag Helmet let out a chirping sound

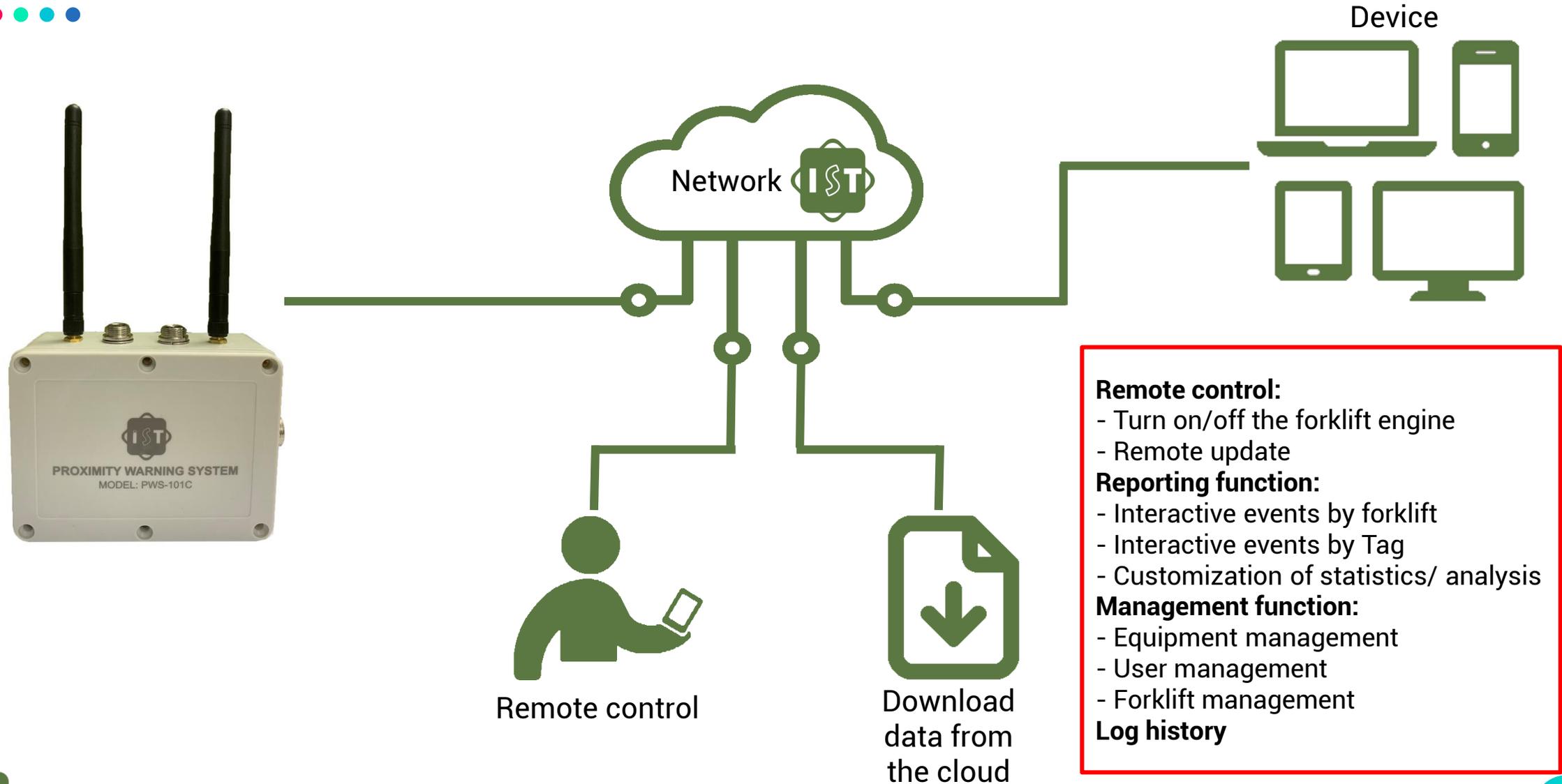
 Forklift automatically shuts off the engine

 Tag Wearable vibration alert

 Forklifts sound warning sirens



Telemetry Content Management



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

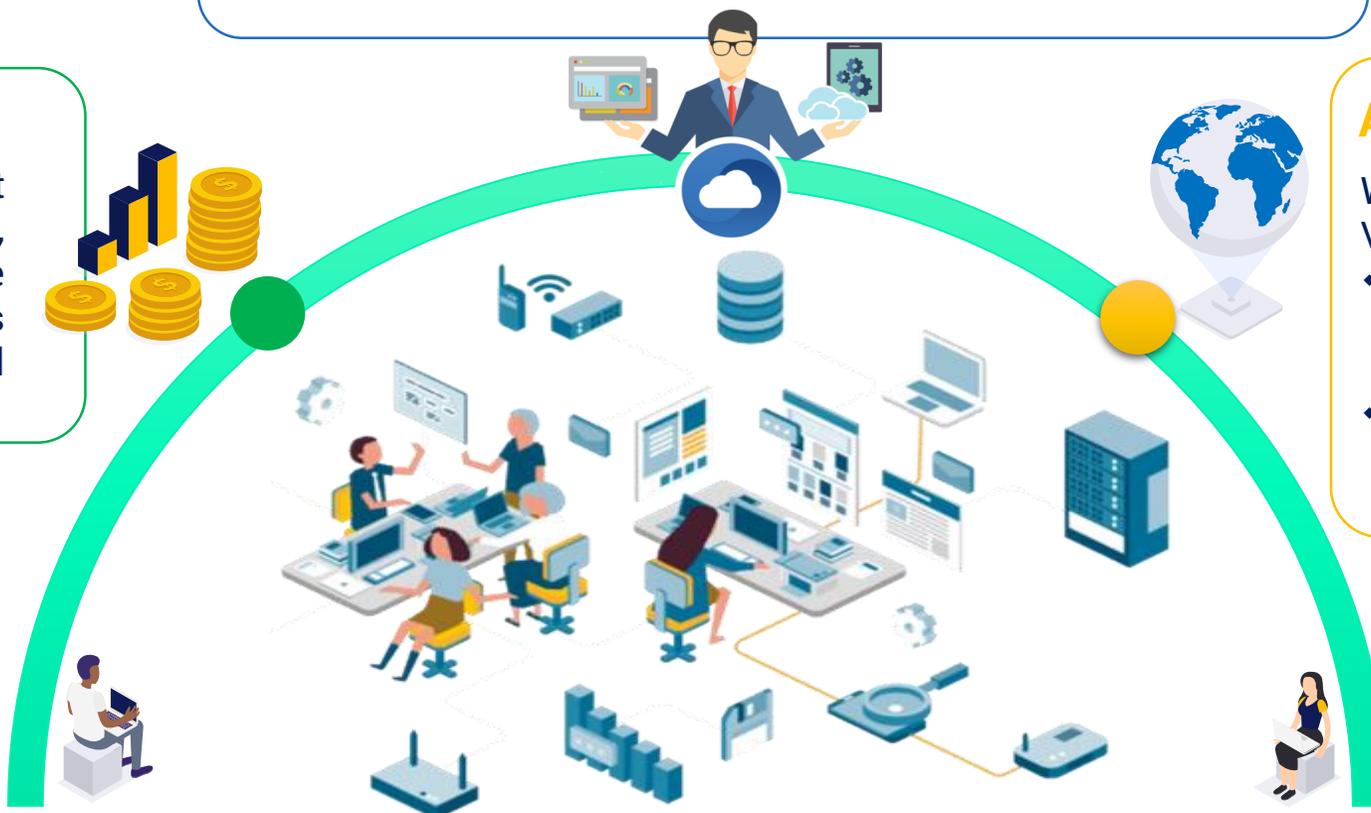
Flexible budget:

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.

Software

The management backend & dashboard is developed by INSITU

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



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

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.



Thank you !



Number 19, Street 46, Thao Dien
Ward
Thu Duc City, Ho Chi Minh City,
Vietnam



02822 108 606



support24@insitu.com.vn



www.insitu.com.vn