

## Automobile plant

# HYUNDAI MOTOR GROUP In South Korea

The Hyundai Motor Company owned subsidiary, KIA Motors and Genesis Motor, altogether comprise the Hyundai Motor Group. Also, the group owned Hyundai Mobis which forms the 'parts and service'. Hyundai operates the world's largest integrated automobile manufacturing facility in Ulsan and branched in ASAN and JEONJU.

### Deployment summary

Location ULSAN & ASAN & JEONJU Plant

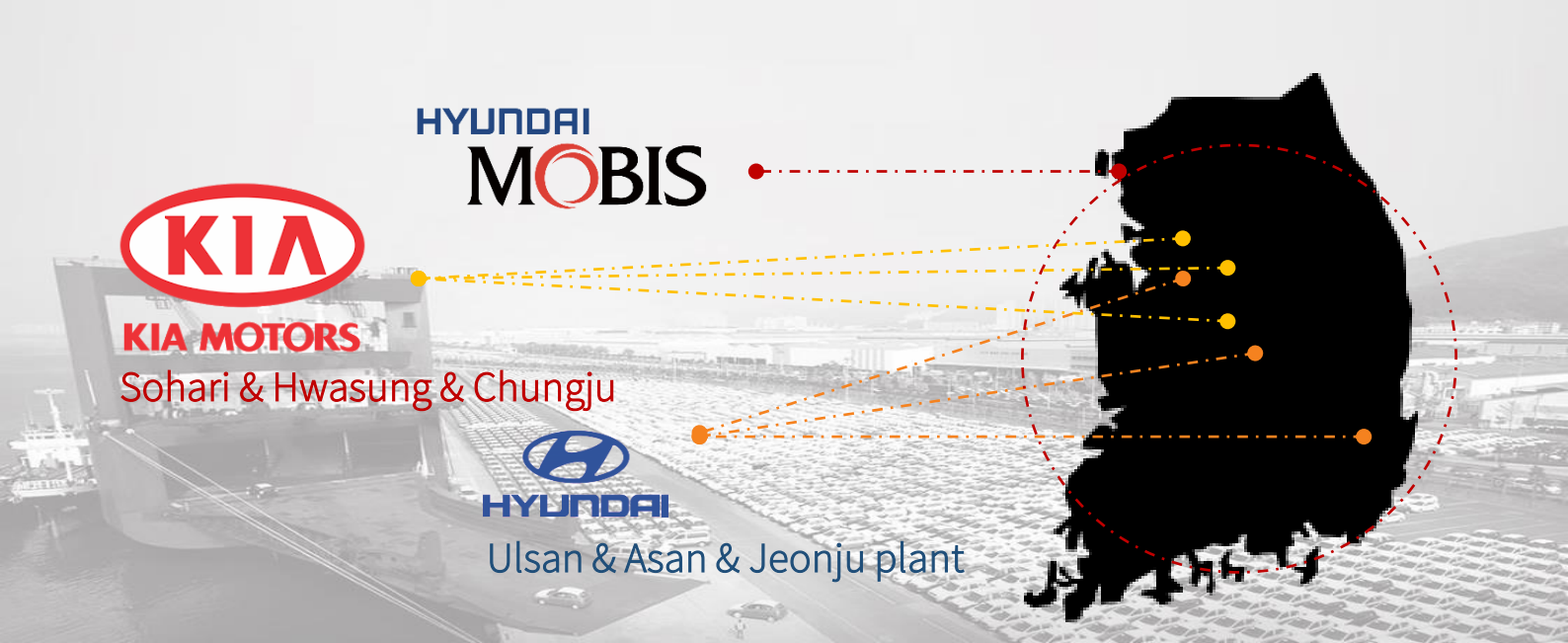
Year of deployment 2017 & 2018

Applications Anti-collision solution with proximity alert system

Product KIGIS IPAS Series

(PT- 2,080ea VT-4,006ea / Flash light ZT – 310ea / Crossway ZT – 329ea)



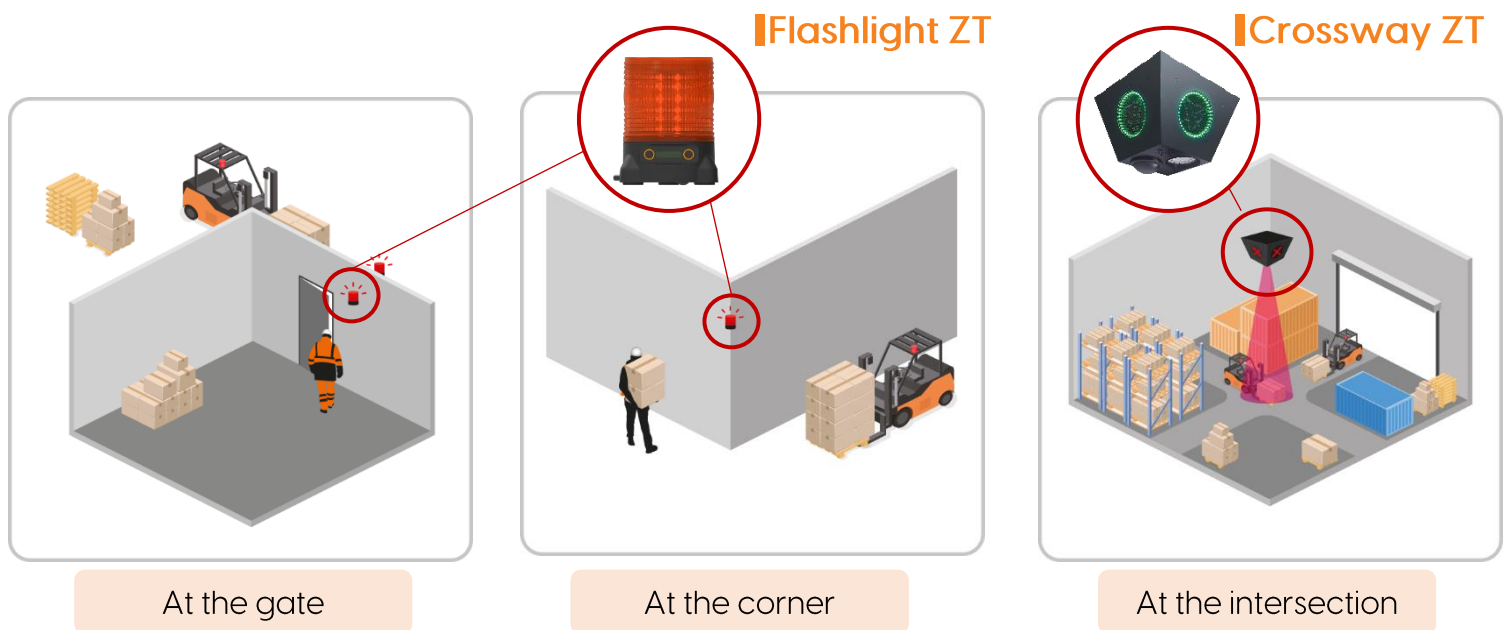


## The challenges

Accidents or collisions on a large scale of the busy plant can happen quickly if safety measures are inadequate, particularly if there are many pedestrians and vehicles in a combined area. Due to the challenges of a unique layout where there isn't a clear boundary of office and factory line, the pedestrians are required to enter the 'factory line' more cautiously. Additionally, since there are thousands of employees who are working on a single site, distributing Pedestrian Tag to each one of them are fairly burden to the company in financially. Furthermore, it could cause redundant alerts.

## The solution

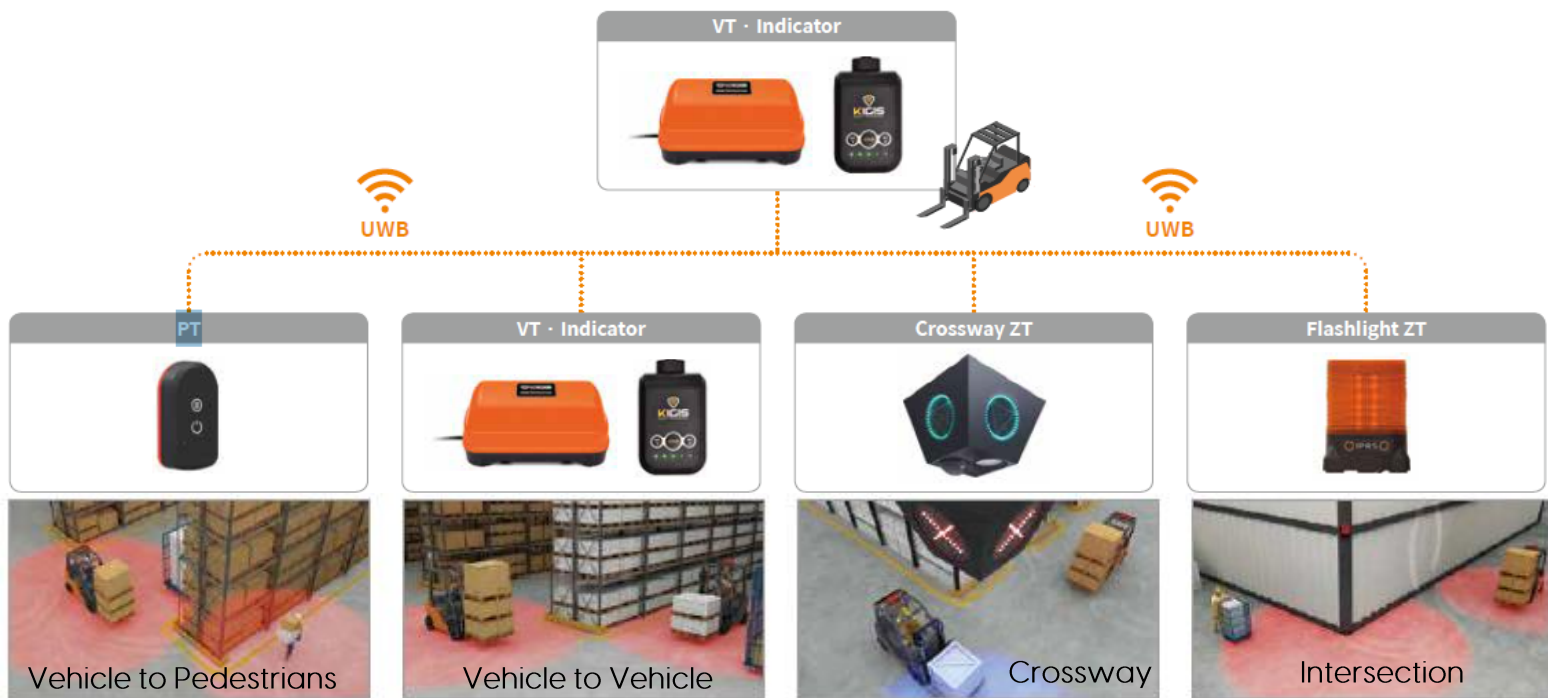
KIGIS offered to install a Flashlight Zone Tag to each entrance to give a warning alert to pedestrians who are entering the 'working site'. So when the vehicle is approaching to each gate, the flashlight zone tag detects the vehicle tag to give a clear alert to pedestrians with a flashlight.



# Key benefits

KGIS IPAS (Intelligent Proximity Alert System) is a safety-assisting device which prevents collisions between pedestrians and vehicles by signaling dangers in 2-way communication to both driver and pedestrian in an industrial site. Each device determines the distance from the vehicle tag based on the time delay of the return signal. With Ultrawideband technology, IPAS measures the distance precisely and provides highly reliable collision warnings. This system is designed not only for anti-collision between vehicles and people but also for vulnerable areas (e.g. intersections, corners).

## Operation Diagram



## Think Safe, Work Safe, Home Safe.

Discover more about KIGIS- IPAS(Intelligent Proximity System), please visit [www.kigistec.com](http://www.kigistec.com) or Download our Catalogue , [Click here!](#)

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