Reference Case Study

- In 2014, Hyundai's landmark Finance Data Center suffered a massive data leak
- Critical personal information of 20 million South Korean have been stolen (names, social security numbers, credit card details...)
- The data was copied by an IT worker directly from the server rack area of the data center with a simple USB key.

- As the criticality of financial data security has been highlighted, Hyundai builds a new data center in Dec 2016, integrating People and Technology's facility security solution.

IndoorPlus⁺ Access Control & Security

Context

Indoor Plus⁺ Access Control & Security

THE PROBLEM

- Certain facilities contain sensitive data or dangerous zones which access should be limited to authorized personnel only

STATUS QUO

- No record to track back unauthorized accesses and identify perpetrator

- No alarm when an unauthaurized personnel enters a zone with limited access

- CCTV and other security cameras require a human watch at all time (prone to error and omissions)

OUR SOLUTION

- Use of wearables to track personnel movement and location within the facility in real time (Security + Safety)

- Warning notification when a wearable has been removed

- Alarm in case of unauthaurized access for quick identification and response

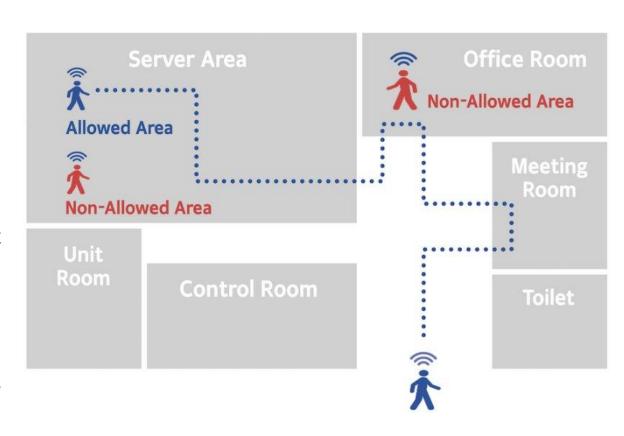- Personnel location history to track back any movement in time

People&
Technology

Indoor Plus⁺ Access Control & Security

- Both workers and visitors are tracked with 2m accuracy using wearable BLE tags, detected across the facility.

- Zones with limited access and entry authorizations of each individual are pre-defined

- An alert is sent to the security department when a person enters a zone in which they don't have access authorization

- The information of the zone and identity of the individual are accessible in real time and recorded in the system

- An analytics features analyses the period of stay of a person in a given area and alerts in case of abnormality

Server Area

Allowed Area

Non-Allowed Area

Office Room
Non-Allowed Area

Meeting Room

Unit Room

Control Room

Toilet