

Samsung Construction Site Work Safety

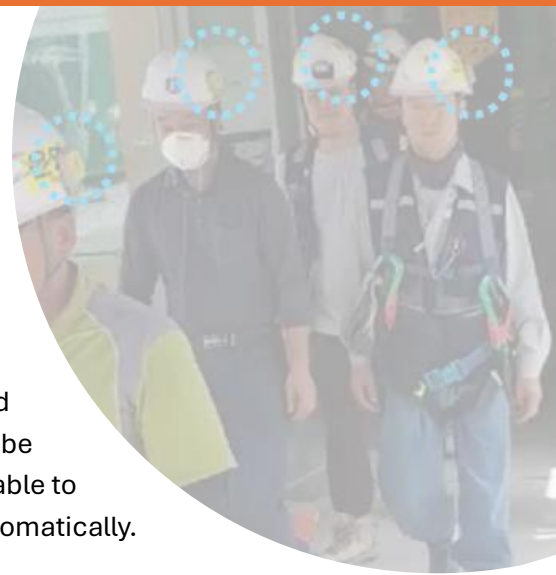
IndoorPlus+ Reusable RTLS Solution for Worker Safety



SAMSUNG C&T

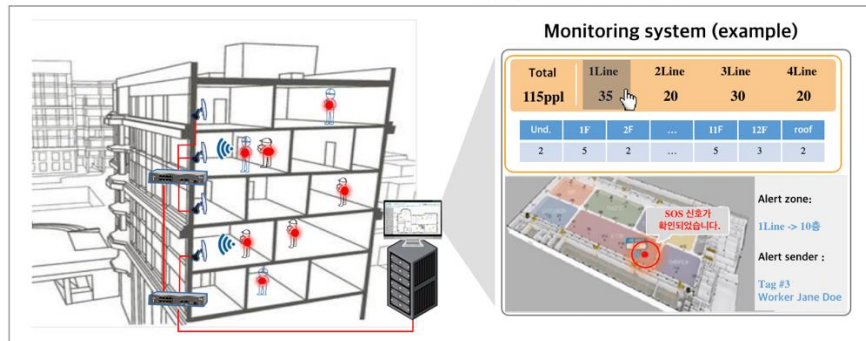
Needs Analysis

Various workplaces have different environment, settings and work process. Nonetheless, when an accident occurs, the first action to take is to identify and locate the workers on site and dispatch a rescue team. To do so, it is crucial to be aware of where workers are on site. With RTLS technology, Samsung C&T was able to track the workers during their shift and managed headcount of the workers automatically.



Workers Safety Management System

By monitoring the presence of workers on each floor and line within an apartment construction site, we can respond quickly when abnormal signals occur and prevent accidents among workers.



- Worker Location Monitoring
- Automatic head Count on the site
- SOS Button on a worker's helmet
- Re-usable RTLS hardware
- Worker Tags with SOS Button

Why was PEOPLE AND TECHNOLOGY selected?

Monitoring the location of workers in a large construction site requires credentials from the past reference. Using the proprietary USB Scanner and gateways, PEOPLE AND TECHNOLOGY was able to deploy Worker Safety solution on Samsung C&T construction site in a very short time frame. Re-usable hardware played a big role in reducing the cost of hardware to be used on other sites.

Future Plan and Expansion

- Adopting Sensor to detect any toxic gas, fire smoke as a preventive measure for safety
- Worker's biometric data such as body temperature or heartbeat can be monitored

Questions answered

- How many workers are on the site? : Automatic count of the workers coming to work site
- Who is where? : On IndoorPlus+ platform, a person can be located by a simple search
- Anyone missing? : Easily identify and track any missing person on the premise