Quality/Safety/ Environment monitoring based on IoT and sensor

By utilizing a variety of IT convergence technology and sensors based on IoT, it is possible to monitor factors that are causes of various complaints while threaten safety on site in terms of quality, safety and environment real time and inform the relevant managers.

- Monitor noise/dust
- Monitor concrete curing
- Monitor hazardous gas – Monitor lifting/collision/roll over of construction equipment
- Monitoring dangerous areas by utilizing tags
- Monitoring entrance/exit into/out of dangerous areas where smart tag is required

SAMSUNG SDS

Missing monitoring for dangerous areas, Not able to immediately improve

Manage dangerous areas in a fast pace without any missing items based on NFC/QR code

No collision buffer, Frequent collision between equipment

Minimize collision between different types of equipment based on LiDAR sensors

Brightics IoT
Platform

Depend on workforce to check dangerous situations

Monitor harmful gas/noise, dust/ concrete curing based on IoT and sensors

Impossible to control work situations on site with frequent changes

Manage safety areas by utilizing material + smart tags real time