

We are actionable Geolocation Intelligence!

People and Technology

Workers Safety in Gas & Oil

Making IoT a Reality Today!

Understanding the Industry

- Needs for worker safety in large oil refinery.
Any accidents can lead to loss of personnel



Yeosu Oil-Chemical Complex (in KR) :
Dense area of industrial complex

Characteristics of Gas & Oil Industry



Yeosu Oil-Chemical Complex(in KR) : Every 3-4 years,
explosion accident happens, leading to death toll

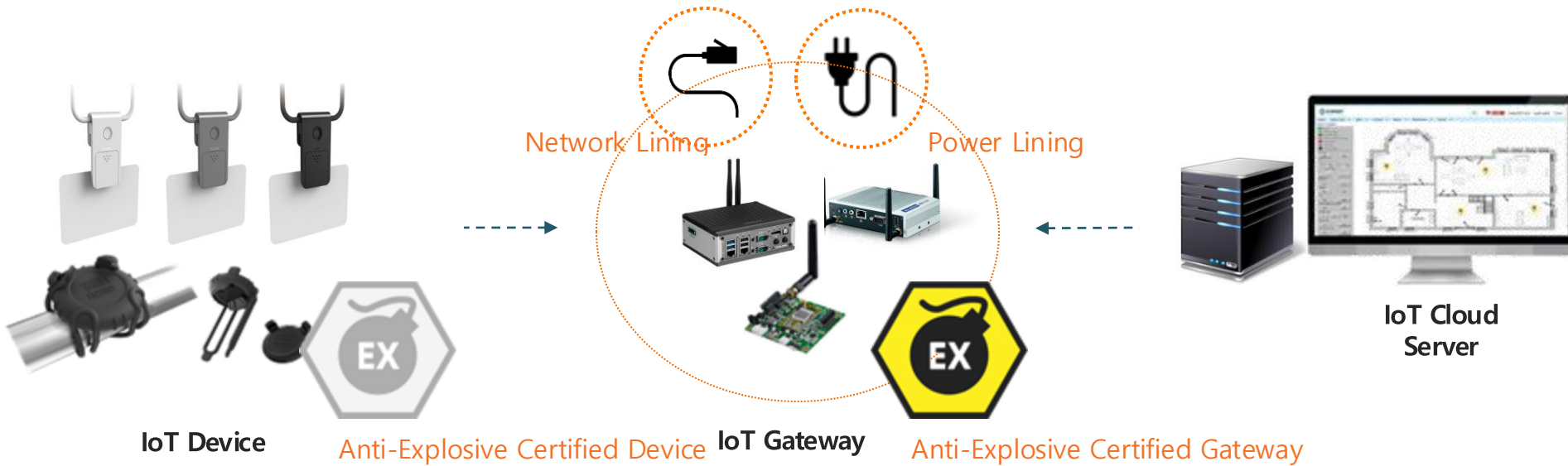
Pain Point

Pain Point

- Difficulty to implement RTLS solution due to constant danger of explosion and large scaled premise

Pain Point

Installing IoT Gateway Infra cost as obstacle (Anti-Explosive device, Anti-Explosive power lining) results in difficulty to expand IoT market



Gatewayless RTLS Solution

Minimizing Anti-Explosive Device

- Either minimize the number of Anti-Explosive device OR System architecture change to enable RTLS devices

Solution for Abundance of Anti-Explosive device IoT as an obstacle for worker safety solution



Easy to Install



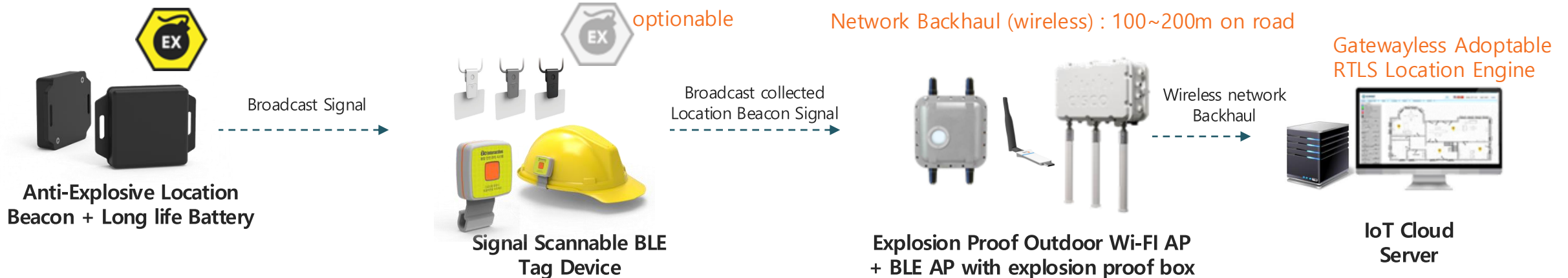
Cost Effective



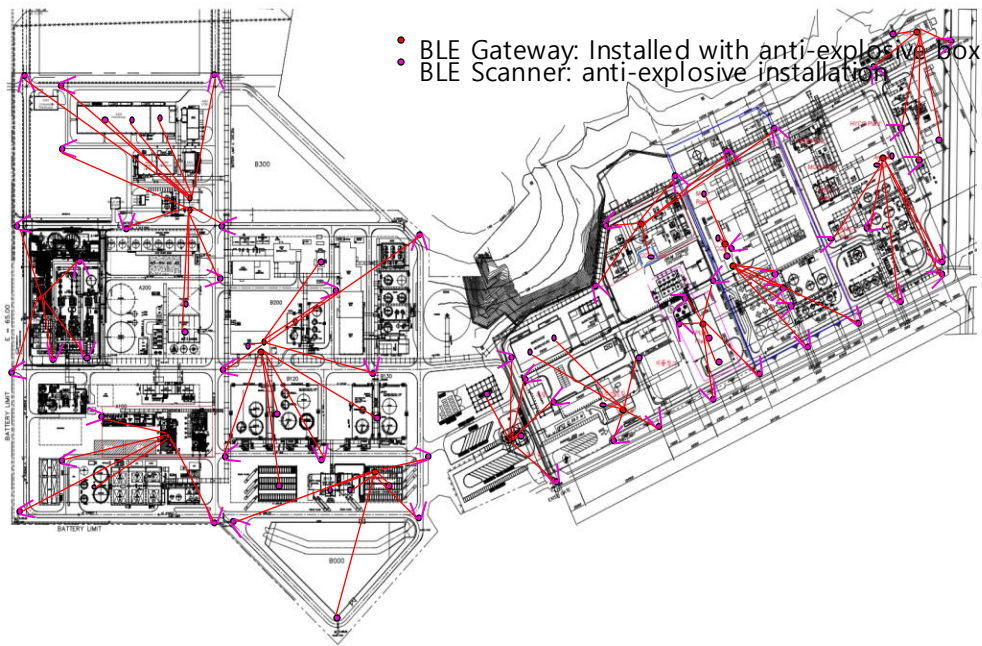
RTLS Based Workers Safety

Solution

Gatewayless RTLS 적용 솔루션



- With IndoorPlus+, 50%+ of cost can be reduced



Traditional BLE Gateway Installation Plan

Deployment with traditional BLE Gateway : Additional power and network lining + Anti-explosive device cause high cost



Gatewayless RTLS Adoption Plan

Install anti-explosive Location Beacon by dots and setup Network Backhaul temporarily