



Bus Duct Heat Detection

KB Bank, Korea

An AP Sensing Linear Heat Detection (LHD) instrument is at the heart of a temperature monitoring solution for the entire electrical bus duct structure in a newly built KB Bank headquarter – the IDC Center building in Seoul, Korea.



Central Control Room and 3D Asset Visualization

Taking advantage of a simple passive fiber optic sensor cable, deployed along the busbar structure of the entire building, a complete monitoring solution has been set up. The fiber optic cable, combined with an AP Sensing LHD instrument, provides 8,000 temperature points every 20 s leaving no area of the bus duct infrastructure unmonitored. Developing fires can be identified and localized quickly saving the emergency teams valuable time in the launch of firefighting activities.

Reasons to select an AP Sensing solution:

- 10 km measurement range with a single linear heat detector
- Lowest failure rate in the industry
- 3D visualization capabilities
- Reduce engineering cost monitoring the power bus duct infrastructure
- Stable and maintenance-free temperature monitoring solution