

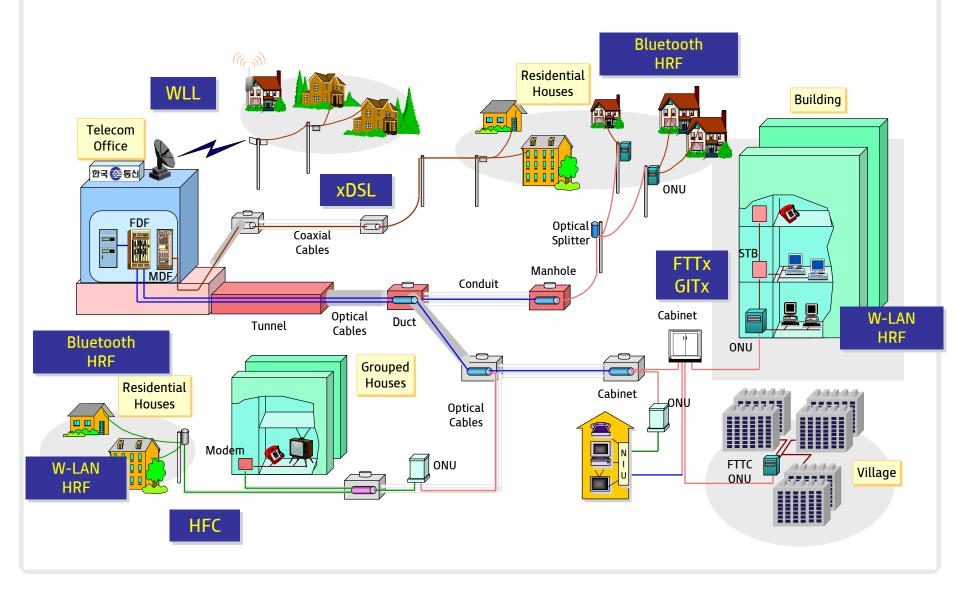
AI-based Telecom against Natural Disaster

Natural Disaster, main threat of Outside Plant

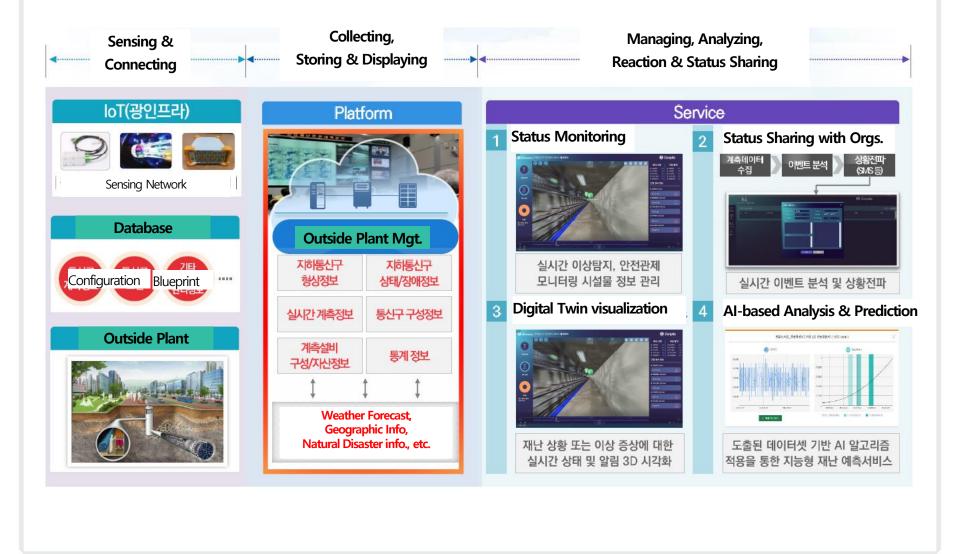


Outside Plant of Telco.

Various types of Tunnels, Conduits and Cabinets for telecommunications to be protected



24 hours monitoring of Outside Plant



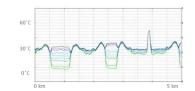
DTS Monitoring for fire monitoring in Tunnel

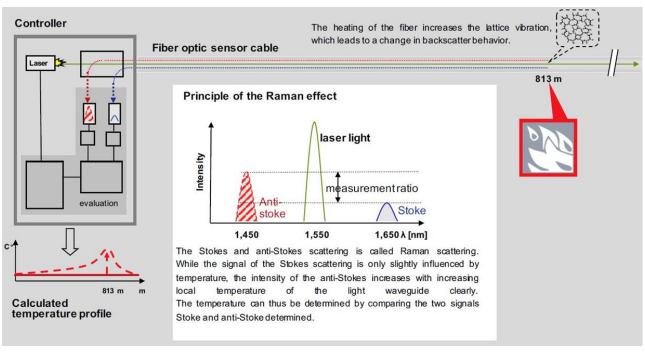
DTS-based Temperature monitoring & AI-based Pattern perception

DTS (Distributed Temperature Sensing) technology

• Raman Scattering effect in Optics is used

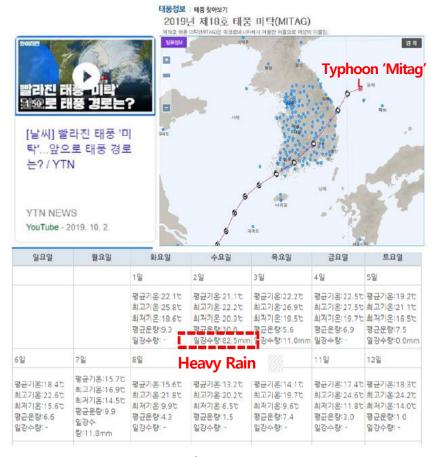


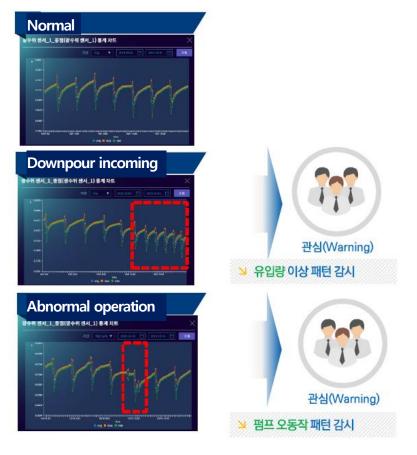




AI-based Water Pump operation in Tunnel

Water pump operation monitoring & Al-based Pattern perception

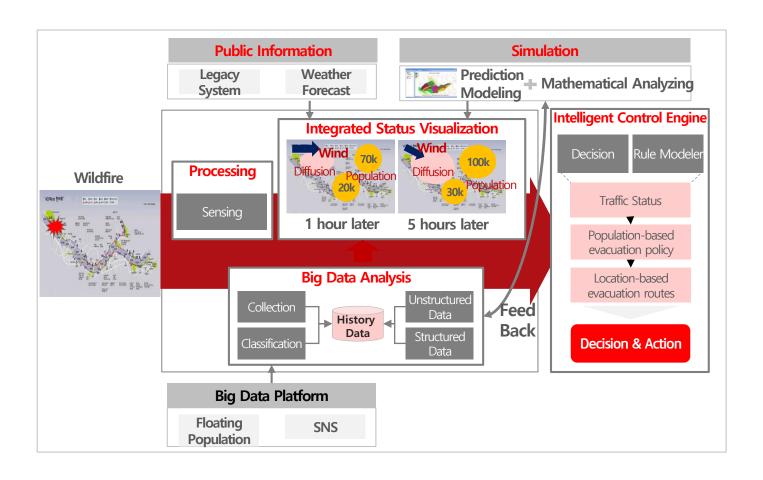




<Weather Forecast>

AI-based National Disaster Countermeasure Platform (1)

Structure; Analyzing, Simulating, Decision and Intelligent Control



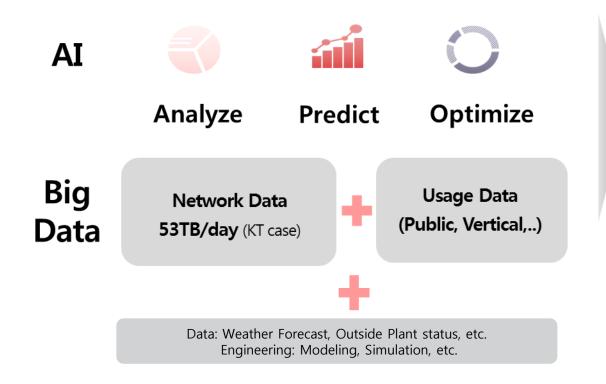
AI-based National Disaster Countermeasure Platform (2)

Ocean Disaster Detection



Natural Disaster Countermeasure, a reservoir of data

AI technology; faster, smarter and more scalable analysis, prediction & decision



1. Faster

Accurate analysis & prediction

2. Smarter

Real-time adaptive operation

3. More Scalable

Mixed and mashed-up services

The gaps related to the implementation/application of AI within the domain of natural disaster management

Data Standardization

Issues

- Proprietary use of Data by major vertical players hinders development of applications and reduces the usefulness of data-based insight
- Upcoming more complicated correlations among vertical sectors against NDM

Considerable solution

• Single common standard "Data Format" is required for Al



PEOPLE. TECHNOLOGY.

