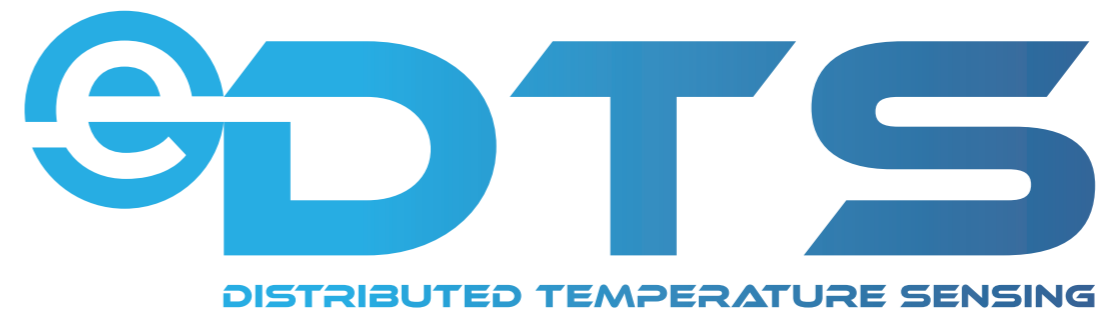




Disaster Safety AI Solutions



The third eye that predicts the dangers created by fiber optic distribution sensors and AI and big data technologies



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The center of the Disaster Safety Solutions

It is a disaster safety AI solution that monitors abnormalities in real time by continuously measuring temperature and analyzing collected data in real time by installing fiber distribution sensors in measurement sections ranging from several kilometers to tens of kilometers.



Product Specifications

Distance Range	10km
Channel Option	4ch
Spatial Resolution	1m
Temperature Resolution	-50°C ~ 150°C(Depending on sensing fiber coating material)
Temperature Accuracy	±1°C
Minimum Sampling Rate	20kHz (up to 5km fiber length)
Performance Authentication	IEC 61757-3-2
Operating Temperature	0°C~ 50°C

* Product specifications are subject to change depending on purpose and environment.

Operating System Configuration



The more points connect to lines and lines to faces, the safer we are. It is ENITT disaster safety management solution e-DTS that is responsible for safety on the road and in the city.

Item	Function
Rack	19" Rack 42U
DAQ Unit	DTS Signal data acquisition, analysis, and processing
Storage	DTS Temperature data storage
Analytics Server	DTS Temperature data analysis
Visualization Server	DTS Visualization of analytics information
UPS	Uninterruptible power supply
L2 Switch	L2 Network Switch
KVM	KVM for server

* System configuration may be changed according to purpose and environment.

Application Field



Plant



Railway



LNG



Port



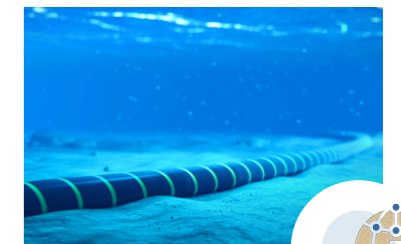
Crane · Girder



Power cable



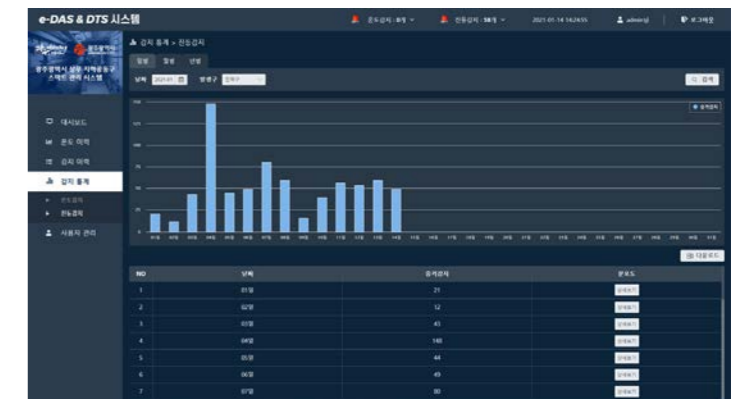
Oil pipeline



Submarine cable

Application Example

This is a real example of ENITT e-DTS implementation.



Gwangju Metropolitan City Underground Common District Smart Management System

This is the screen of the safety management monitoring system installed in the Gwangju Underground Common District. The optical cables installed in all sections of the power section of the common section monitor and diagnose the temperature abnormality of the common section in real time, such as a structure fire or cable deterioration, so that users can manage it more easily.