

IAM Co., Ltd is a specialized fiber optic sensing company that provides Total Solution. Developed first in Korea, OTMS, an intelligent optical distributed temperature monitoring system, manages & maintains risk free environment in large domestic corporations and major national institutions.



OTMS is a revolutionary solution to monitor temperature using a fiber-optic cable. Intelligent data analysis prevent fire disaster and equipment failure that ultimately contribute to the company's preventive maintenance activities.

# OTMS

Optical fiber Temperature Measurement System

Samhyun komtech Performance and Management Company



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OTMS has made us completely free from fire and safety management burden!



# OTMS

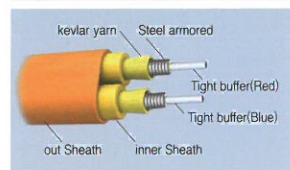
OTMS monitors real-time of temperature all along the cable and stimulate to act ahead to prevent heat related disasters even before it occurs.

## 1 System Feature & Characteristic

OTMS is the preventive maintenance system in the power industry that measures the distributed temperature along the implemented cable to monitor & prevent abnormal heat rises at the facility. Our commercially patented technology, OTMS™ detects and monitors fire throughout the facility by analyzing temperature data in every meter utilizing the back scattered light of the laid fiber



OTMS & CH Switch



Sensor cable Structure

ITEM	INTELLIGENT OTMS		
Management length	8km (Max 12km)	Temperature resolution	0.1 °C
Spatial resolution	1 m	Measurement time	Min. 5 sec
Sampling interval	1, 2, 3, 4 m	Communication	Ethernet / USB / MODBUS
Channel Switch	Integral type, Support Max 16 Channels	Fiber type	GI 50 / 125um MM
Laser safety class	Class 1	Supported alarm type	General / Gradient / Smart alarm
Temperature measuring range	-196 ~ 500 °C		

## 2 OTMS Cable & Electric Equipments

Power Cable & Electric Equipments



Conveyor Belt



## 3 Success story of OTMS



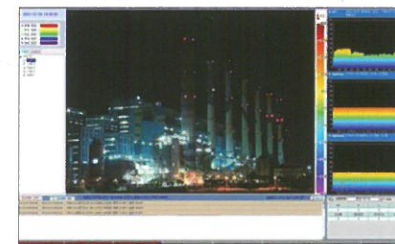
PLTU Muara Karang Power Plant



KOEN Conveyor Belt



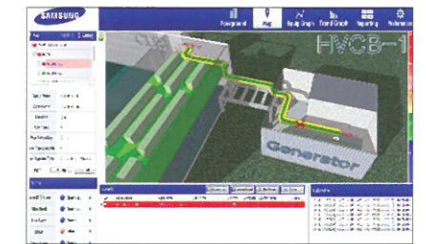
KOEN Thermal Power Plant



Korea Southern Thermal Power Plant



POSCO



Samsung Display Vietnam

## 4 OTMS Certification

Certification of Quality

Communaute Europeenne Marking

Certification of class1 Laser

## 5 OTMS Global Award

• German international invention Exhibition



Gold Award



Special Award