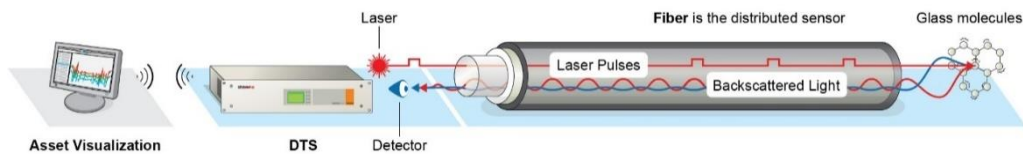# Fiber Optic Linear Heat Detection
Early fire detection and prevention

DTS – Distributed Temperature Sensing
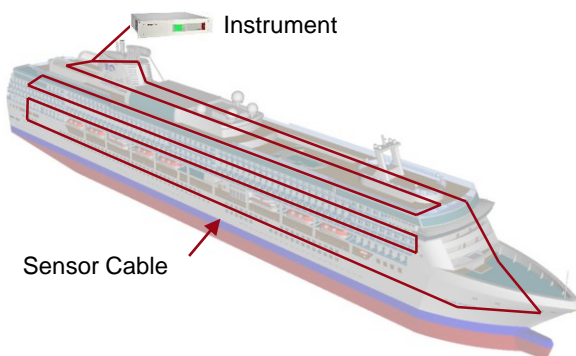
Passive fiber optic cable provides a continuous temperature profile over the length of the sensing cable:

✓ 10 km sensor cable = 10.000 temperature points

✓ Detection within seconds

✓ 1 meter resolution

Fire detection on board

✓ Cable tray monitoring – fire prevention, by detecting hot spots

✓ Machine room, kitchen, false floor, storage areas

✓ Hazardous areas

DTS monitoring software
complete overview of infrastructure

Sensor Cable

✓ Flexible, light and easy to install

✓ Mechanically robust

✓ Long product lifetime and maintenance free

✓ Completely passive sensor cable

✓ Inherently safe against electromagnetic disturbance

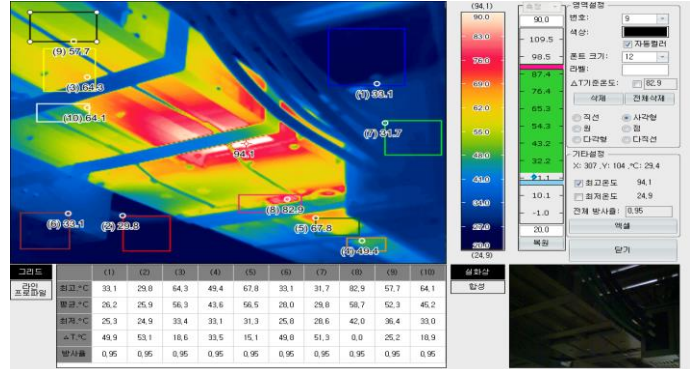✓ Operating temperature from -40 °C to +150 °C (or higher)

Cable tray, bus duct, false floor and machine room protection

Deploy the sensor cable along your cable tray, in the false floors, within the machine room, along the body of the ship, and get a complete overview and coverage of your entire infrastructure.

Sensor cable installed inside a cable tray

Thermal photograph of the hot spot on the bus duct

Solution is immune to dirt, dust, smoke, moisture, vibrations, …

Machine room

DTS monitoring software

Instrument

Fiber Optic Sensor Cable

Leading the Way with Passion.