SensEye

See everything. Miss nothing.

SensEye brings together AI-powered camera technology and The Train Control and Management system (TCMS) to create a collaborative system that gives you more time when you need it the most.



DETECTS DANGER IN SECONDS

SensEye utilizes traditional CCTV to create an intelligent safety tool that helps predict and prevent incidents before they escalate.

ACCURACY THAT BUILDS TRUST

AI validation through camera analytics helps confirm or dismiss alarms instantly, reducing unnecessary disruptions.

FASTER ACTION WITHOUT PHYSICAL CHECKS

View the situation instantly in the TCMS, without having to send personnel to verify the situation – reducing response time in critical situations.

ACTIONABLE INSIGHTS IN REAL TIME

Your crew can act faster and more decisively, backed by the certainty of dual-verified detection.

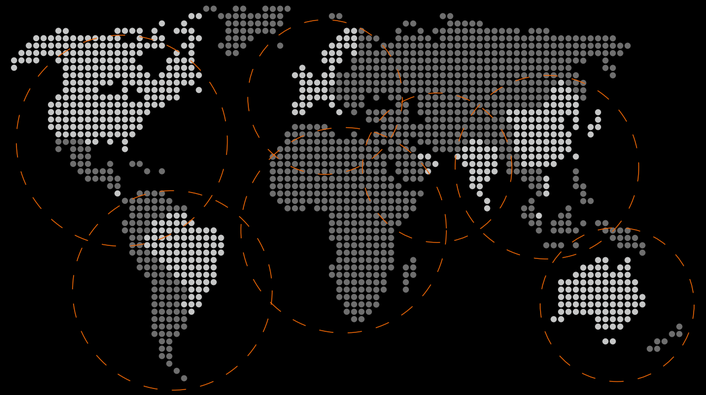


ISE – MISSION-CRITICAL FIRE DETECTION

ISE, which became part of Consilium Safety Group in 2024, brings over 30 years of experience in railway safety and is known for its state-of-the-art SIL-2 fire protection solutions. Its portfolio includes advanced fire detection and suppression systems, as well as other mission-critical safety functions.

Global support with local expertise

Consilium offers fast and accessible support no matter where you are in the world. Nothing beats local expertise in your language. With a global service network and a strong local presence, we ensure accessibility wherever you operate.



As much as we are proud of our success, our commitment is to ensure safety. We have pledged to protect the lives of mothers and fathers, sisters and brothers, colleagues and friends. Our work never ends. That is why we keep innovating.

Connect with your local partner

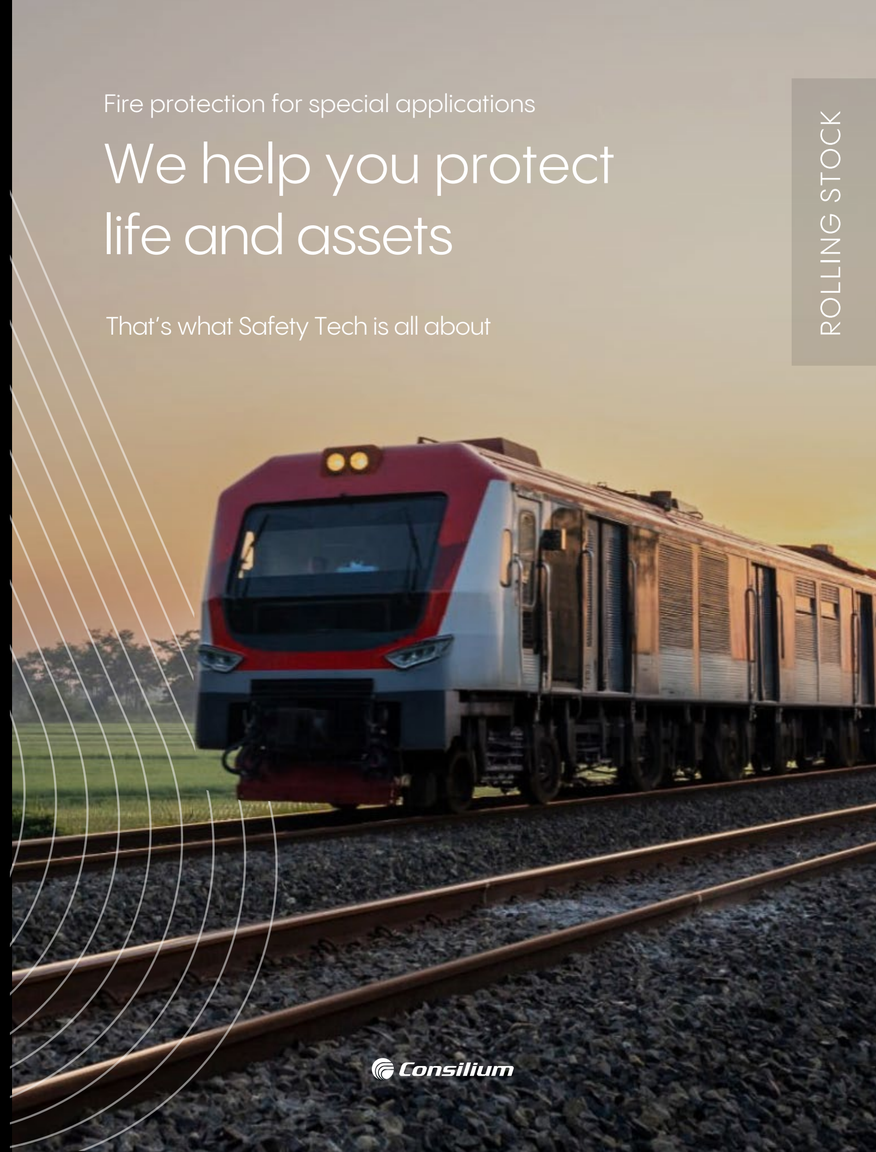
Consilium

Fire protection for special applications

We help you protect life and assets

That's what Safety Tech is all about

ROLLING STOCK



Consilium

Systematic success

With over 100 years of expertise within the safety industry, we ensure the highest quality, fastest support and maximum uptime for our clients. Explore the range of solutions we offer, dedicated to ensuring your safety.

FIRE DETECTION

Our advanced optical smoke, heat and flame detectors are installed throughout the rolling stock, ensuring early detection of smoke and rising temperatures. SensEye adds AI powered visual flame detection that instantly verifies alarms for a even faster, more accurate response.

LINEAR HEAT DETECTION

Linear heat detection offers comprehensive coverage by alerting to potential overheating or fire hazards along cable runs, technical areas and narrow spaces. This provides rapid alerts to overheating or fire hazards, enhancing the safety and reliability of operations while requiring minimal maintenance.

FIRE EXTINGUISHING AEROSOLS

We offer fire extinguishing aerosol for confined spaces, such as engine compartments and electrical cabinets. These systems quickly suppress fires and combustion with minimal impact, improving the safety of both passengers and onboard equipment.

FIRE SUPPRESSION BY WATER MIST

Our high-pressure water mist system effectively suppresses fires by using nitrogen to pressurize water bottles, which then deliver high-pressure water to nozzles, creating a very fine water mist. This approach minimizes water damage to the rolling stock's interior and reduces the amount of water needed compared to a normal water mist or sprinkler system, lowering the overall weight the train carries.

TCMS COMMUNICATION

All our systems can seamlessly integrate with the Train Control and Management System (TCMS), enabling real-time monitoring and response to fire incidents. This integration not only improves situational awareness but also provides valuable data to predict and reduce the need for corrective maintenance of the Fire Detection and Suppression (FDS) systems.

FUEL LEAKAGE DETECTION

Our advanced fuel leakage detection system efficiently detects oil mist and fuel-derived gas odors early, minimizing fire risks in technical areas. Operating seamlessly 24/7 with minimal maintenance, it ensures reliable protection for your operations.

60+

Offices around the world, giving you local support wherever you operate

260+

Service engineers globally, ensuring our systems' reliability

ACCESS AND SUPPORT

We have you covered 24/7/365 in every time zone – in person or remotely

PASSENGER SAFETY

Taking safety seriously is about never compromising on human lives

RISK AND SAFETY ASSESSMENT

We ensure your safety systems are prepared for the unexpected

LIFE CYCLE SUPPORT

All the way from design and installation to service and retrofit

