Retrofitting: Efficient System Upgrades

Enhance your existing fire alarm systems with a modern, resource-efficient approach. With our systems, upgrading to the latest technology is easy and cost-effective.



READY FOR TOMORROW'S DEMANDS

Built to evolve with your needs, our modular platform is future-ready, allowing for easy expansion as your requirements grow. This approach ensures that your system is equipped for tomorrow's challenges, enhancing both safety and reliability over the long term. With a design that emphasizes forward-thinking innovation, you can trust that your system will continue delivering value for years to come.

FLEXIBLE & MODULAR

Our platform is an easy choice for a retrofit. With the flexible system and design and the small form factor, the modules can be installed in any electrical cabinet. Whether you're scaling up or adjusting for new requirements, our system's adaptability ensures it fits perfectly into any operational environment.



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 Detection for Rolling Stock

We help you protect lives and assets

That's what Safety Tech is all about

ROLLING STOCK



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.

SMOKE, HEAT & FLAME DETECTION

Our advanced optical smoke, heat and flame detectors are strategically installed throughout the rolling stock, ensuring early identification of smoke and rising temperatures. This enables a swift response to potential fire hazards, protecting passengers and critical infrastructure.

ASPIRATION SMOKE DETECTION

Air-sampling smoke detectors continuously monitor the smoke level in key areas of the rolling stock. This allows for the early detection of smoke, even in challenging environments or areas that are hard to reach, ensuring proactive fire prevention.

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.

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

