Retrofitting:
Efficient System Upgrades

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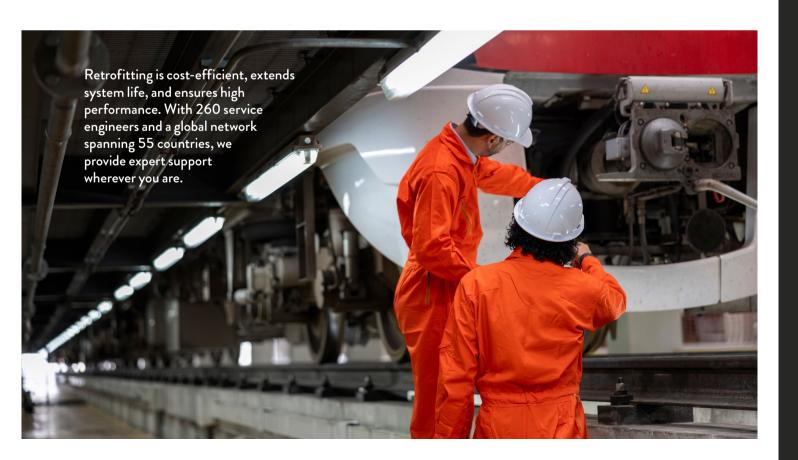

Control Module 2.2

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.
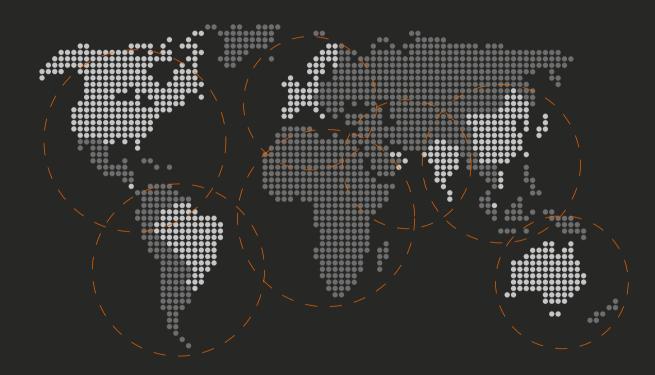
FLEXIBLE & MODULAR

The Consilium Common Platform (CCP) is an easy choice for a retrofit. With the flexible system 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.

Retrofitting is cost-efficient, extends system life, and ensures high performance. With 260 service engineers and a global network spanning 55 countries, we provide expert support wherever you are.

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 service network spanning over **55 countries** worldwide and local market companies in **29 countries***, we ensure accessibility anywhere you operate.

* **Europe:** Austria, Belgium, Bulgaria, Cyprus, Denmark, Finland, France, Greece, Italy, Netherlands, Norway, Spain, Sweden, Germany, UK **North & South America:** Brazil, Canada, Costa Rica, USA **Asia & Oceania:** Australia, China, India, Japan, Oman, Qatar, Singapore, South Korea, United Arab Emirates, Vietnam

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

805 001

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.

25 000+

Railway carriages around the world are protected by our fire detection systems

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

RISK AND SAFETY ASSESSMENT
We ensure your safety systems are prepared for the unexpected

PASSENGER SAFETY
Taking safety seriously is about never compromising on human lives

LIFE CYCLE SUPPORT
All the way from design and installation to service and retrofit

OPTICAL SMOKE & HEAT DETECTION
Our advanced optical smoke and heat 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.

LINEAR HEAT DETECTION

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