



**Every day, millions of people rely
on the solutions provided
by Selectron**

On-Train Solutions



SELECTRON

"Long-term customer satisfaction is no coincidence, but the result of consistent customer focus.

Mutual trust and a strong partnership are important to us."

Dr. Thomas Fischer, CEO of Selectron Systems AG

From the shared idea to the end of the lifecycle.



Over 70 years of experience

Long-standing specialist in Train Control and Management Systems (TCMS)



More than 30,000 vehicles

successfully in operation



Long-term partnership

based on trust, reliability and competence



Continuous **in-house** software and hardware development



Approved and certified

flexible and combinable system components



Optimized systems

facilitate vehicle homologation and maintenance

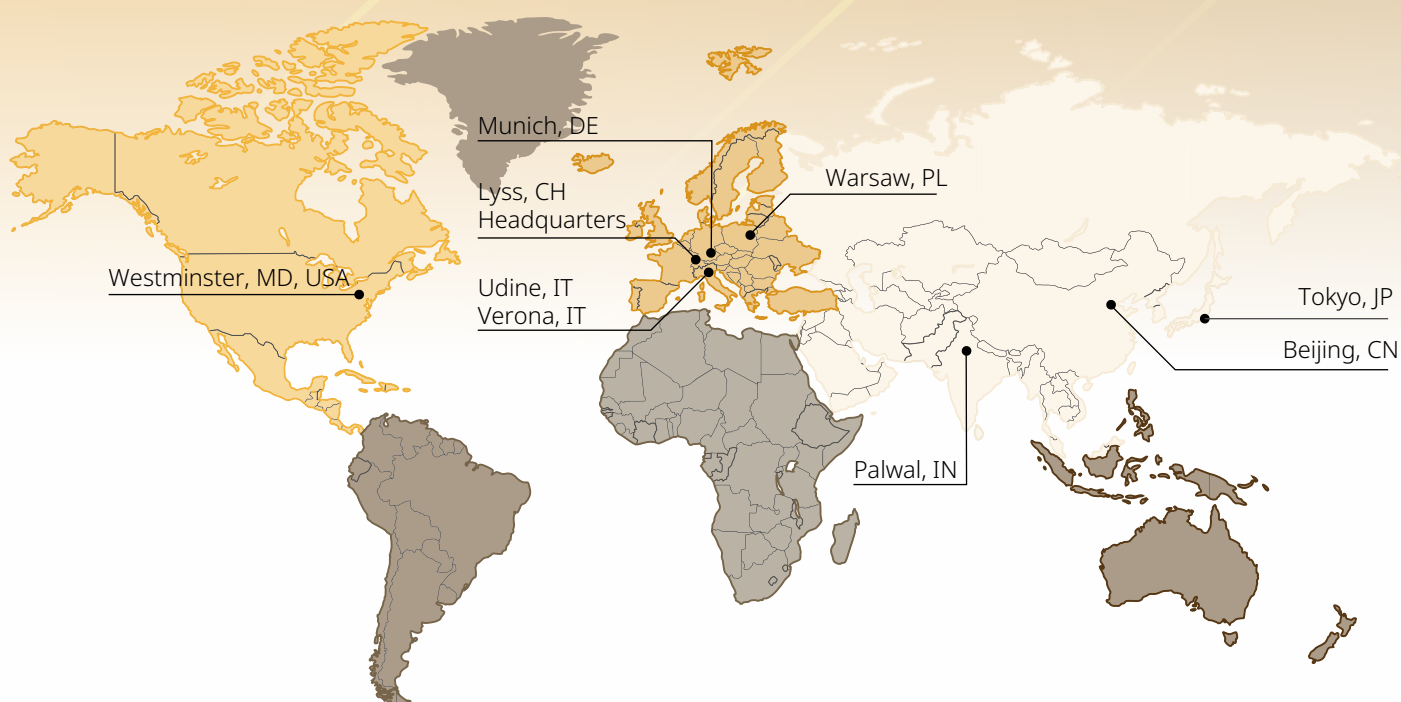


Lifecycle management

with support for single products or each project phase



Globally proven solutions for all types of rail vehicles.



more than

30,000

Vehicles use
Selectron products

in over

74

Countries
worldwide

successful

900

Customers
Builder & Operator

focused on

100%

Rail Industry

up to

80%

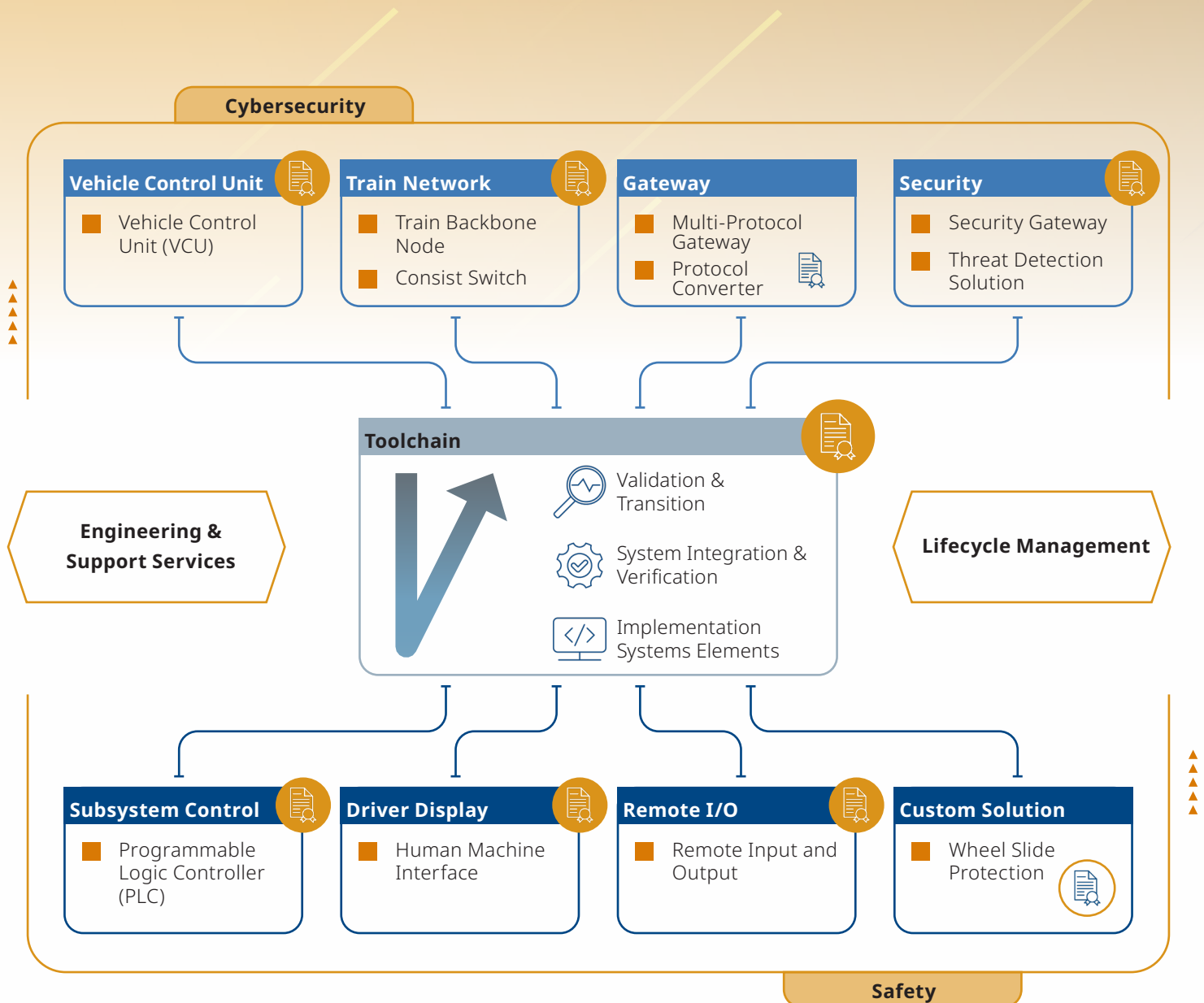
Engineers &
Technicians

Integrated by design. Certified for security and safety. Engineered for efficient homologation.

From basic-integrity TCMS to SIL 4 and GoA4* applications.

The portfolio combines certified system elements, integrated engineering and lifecycle services within a consistent, end-to-end toolchain. From implementation and system integration to verification and validation, every stage is aligned to reduce complexity, mitigate project risks and support efficient and predictable homologation.

*) Grade of Automation



Certificate:

IEC 62443-4-2 Security Level Capability 2 (SL-C 2)
EN 50128 / EN 50129 Safety Integrity Level SIL 2 / SIL 4

● Product ○ Project ○ ongoing,
ask our sales for more information

Vehicle/Car Segments.

Our solutions for all types of vehicles and cars.

DMU & EMU

Diesel and Electric Multiple Units

High-performance solutions for diesel and electric multiple units.



> **18'000**
Vehicles

Metro / Monorail

Proven systems for subways and monorails worldwide.



> **13'000**
Cars*

Tram / LRV

Light Rail Vehicle

Reliable control systems for modern streetcars.



> **4'000**
Vehicles

Locomotive

High-performance solutions for diesel and electric locomotives.



> **2'000**
Vehicles

Special Vehicle

Systems tested for harsh environments.



> **4'000**
Vehicles

Other Vehicles

High-speed, Passenger, and Sleeper Cars

Scalable solutions for all use cases.

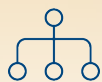


> **5'000**
Cars*

*) A vehicle consists of at least two cars.

Your applications

with our embedded electronic portfolio.



TCMS

Train Control & Management Systems.



Diagnostic

Condition Monitoring & Remote Maintenance.



Door Controls

Safe and convenient door systems.



Traction

Brake and drive controls.



HVAC

Heating, ventilation, and air conditioning.



Remote Maintenance

Remote Monitoring & Maintenance.



Others

PIS, signaling, lighting.



Embedded Electronic Solutions.

A proven portfolio.



Train Communication

Although invisible to the naked eye from the outside, train bus couplers, switches, and converters perform essential functions for the safe operation of modern rail vehicles.



Train Control & I/O

Train Control & Management System – much like a large control center, it monitors and connects the train's subsystems to one another and to the higher-level train control system.



Software & Tooling

With these software development, testing, and service tools, vehicle manufacturers and train operators can significantly reduce their engineering, testing, integration, and maintenance efforts for the TCMS.



Cybersecurity

Rapid technological advancements make rail vehicles vulnerable to cybercrime. This makes it all the more important that you can rely on someone who keeps track of everything. Selectron is here to help with cutting-edge cybersecurity solutions for secure, digital vehicle communication.



Services & Support

Our Services - Your Success



All our knowledge, skills and activities are focused on your requirements - allowing you to focus on your core business and increase your competitiveness.

From the initial concept to the commissioning of the vehicle.

With decades of Selectron experience, our expertise in automation, digitization and the design of Train Control & Management Systems (TCMS) is second to none. This means we can deliver optimum advice to our customers - in the development of new rail vehicles, but also in the retrofitting and modernization of existing fleets.

There is nothing more important than customer- and project-specific needs. We quickly help projects achieve success - with the appropriate hardware architecture, reliable components and efficient software tools. It is our job to support you from the first concept ideas all the way to the commissioning of the vehicles. We also offer training courses to ensure the essential transfer of knowledge.

Next steps | Find the right Embedded Electronic Solutions for your train application architecture.



Get in touch

Expert advice and tailored support for your projects.



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