

Innovation & Digitisation

We develop products and provide services that cover the entire workflow for railway track-side safety, from planning and review to operation, monitoring, and control.



SCHWEIZER ELECTRONIC



Our Services

SCHWEIZER
ELECTRONIC

Topology visualisation and quality improvement

Our team excels at visualising railway topologies and improving their quality to the highest safety standards using different automated and semi-automated processes. Let us guide you toward a safer and more efficient future.

Customized digitisation & automation development

We provide expertise in the digitisation and automation of processes, streamlining operations, and enhancing overall efficiency. Let us support you in your digitisation journey.

Business applications and SIL development

We specialise in creating robust architectures and systems that ensure safety-critical processes coexist harmoniously with business applications. This way we empower organizations to achieve optimal performance without compromising safety and security.

Adaption to or integration into existing business processes

We recognise that every organisation has unique processes, systems, and applications. Our team is open to tailoring our solutions to easily integrate with existing environments, ensuring a smooth transition.

Join us on the exciting journey of digitising and innovating in railway safety planning and operations.



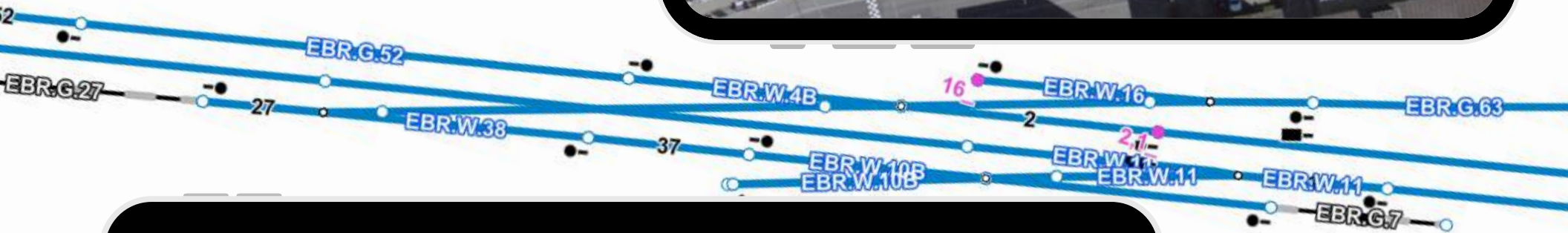
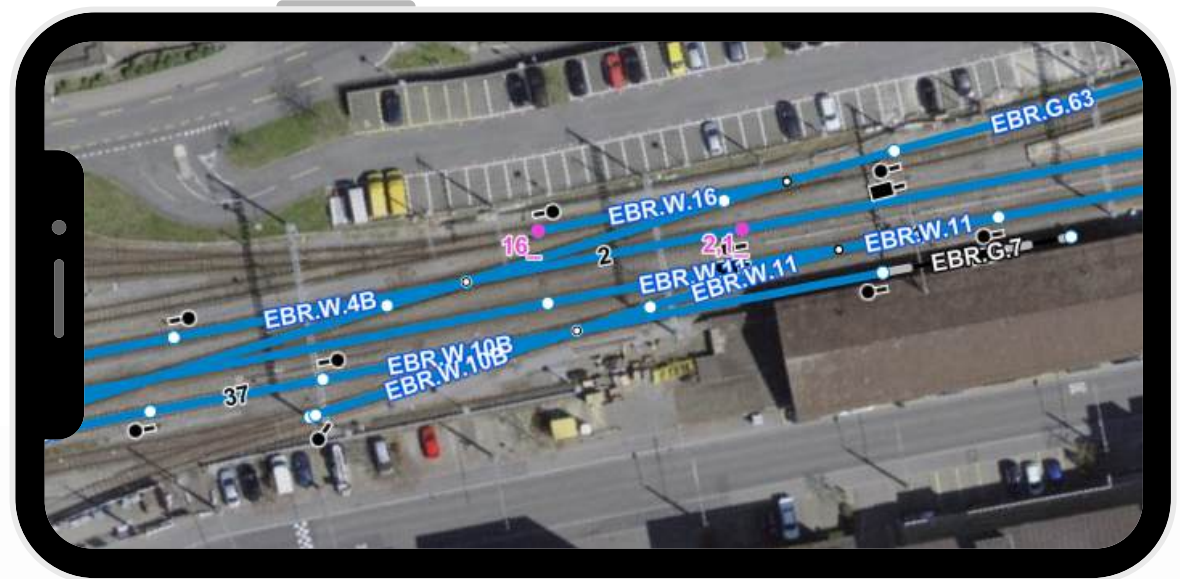
Contact



Dr. Stefanie Biala
stefanie.biala
@schweizer-electronic.com
+41 62 749 07 07

Topology visualisation and quality improvement

Our team excels at visualising railway topologies and improving their quality to the highest safety standards using different automated and semi-automated processes. Let us guide you toward a safer and more efficient future.



Code	Message
-2070	<p>Different lockouts</p> <p>The track EBR.Track.91,2 has different lockouts in Model 1 and Model 2.</p>
-2611	<p>Track ends not matching</p> <p>The track end information at EBR.Segmentend.83,2.end is not matching in ...</p>

- EBR.G.63 Track
- EBR.W.11 Switch
- Virtual track
- Main signal
- Shunting signal
- 2- Track number
- Track vacancy detector

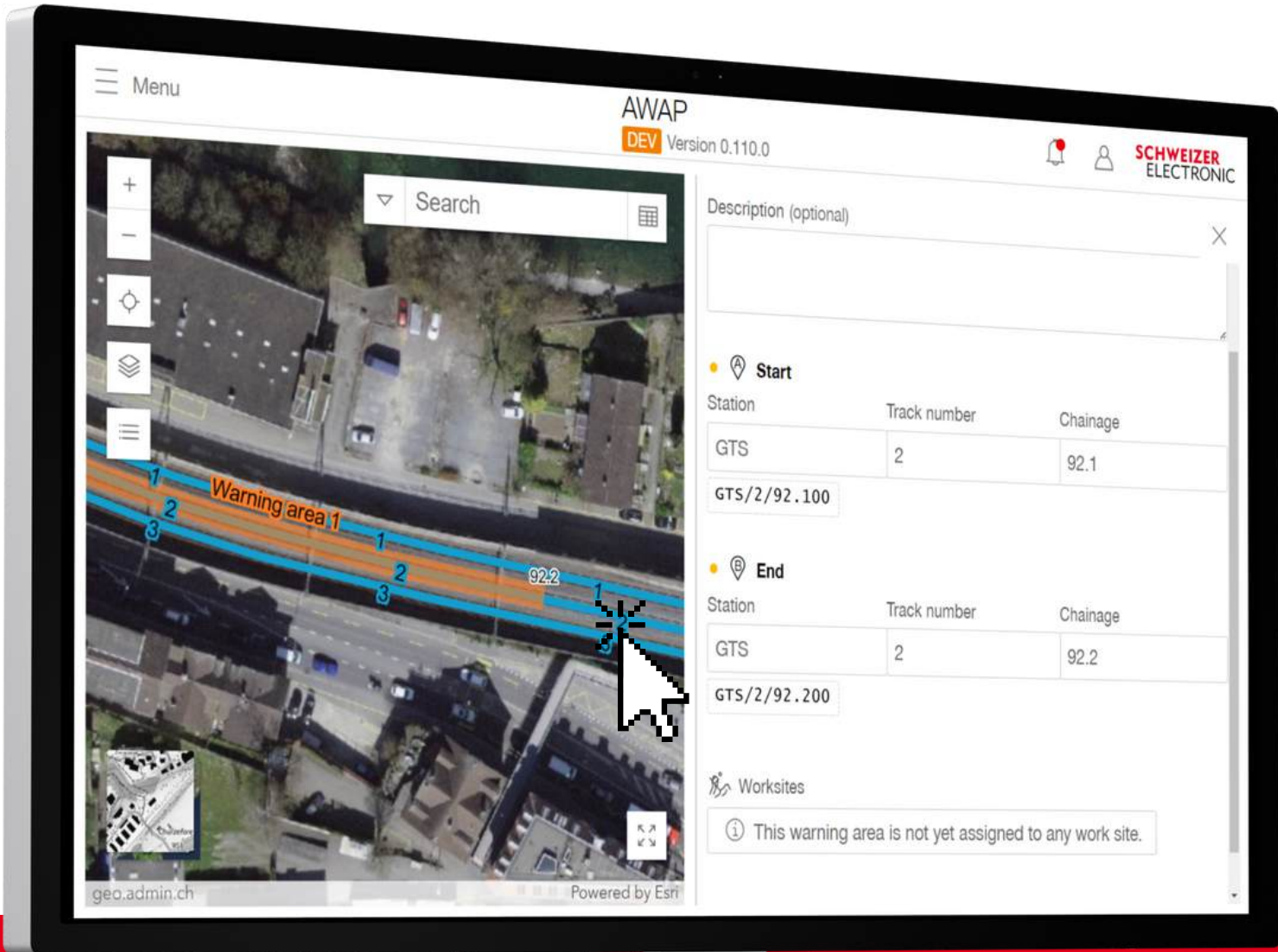
Smart planning applications

With years of experience in track-side safety planning and operations, we understand the complexities and challenges of the industry.

Our custom software solutions are designed to address these challenges, enhancing safety and efficiency.

For our customers we offer tailored solutions based on the most modern technologies.





**SCHWEIZER
ELECTRONIC**

Easily define areas
either through form
input or map selection.

Generate possible train approach routes and trigger points in a more timely and accurate way.



🕒 Worksite 1

Question 2/5

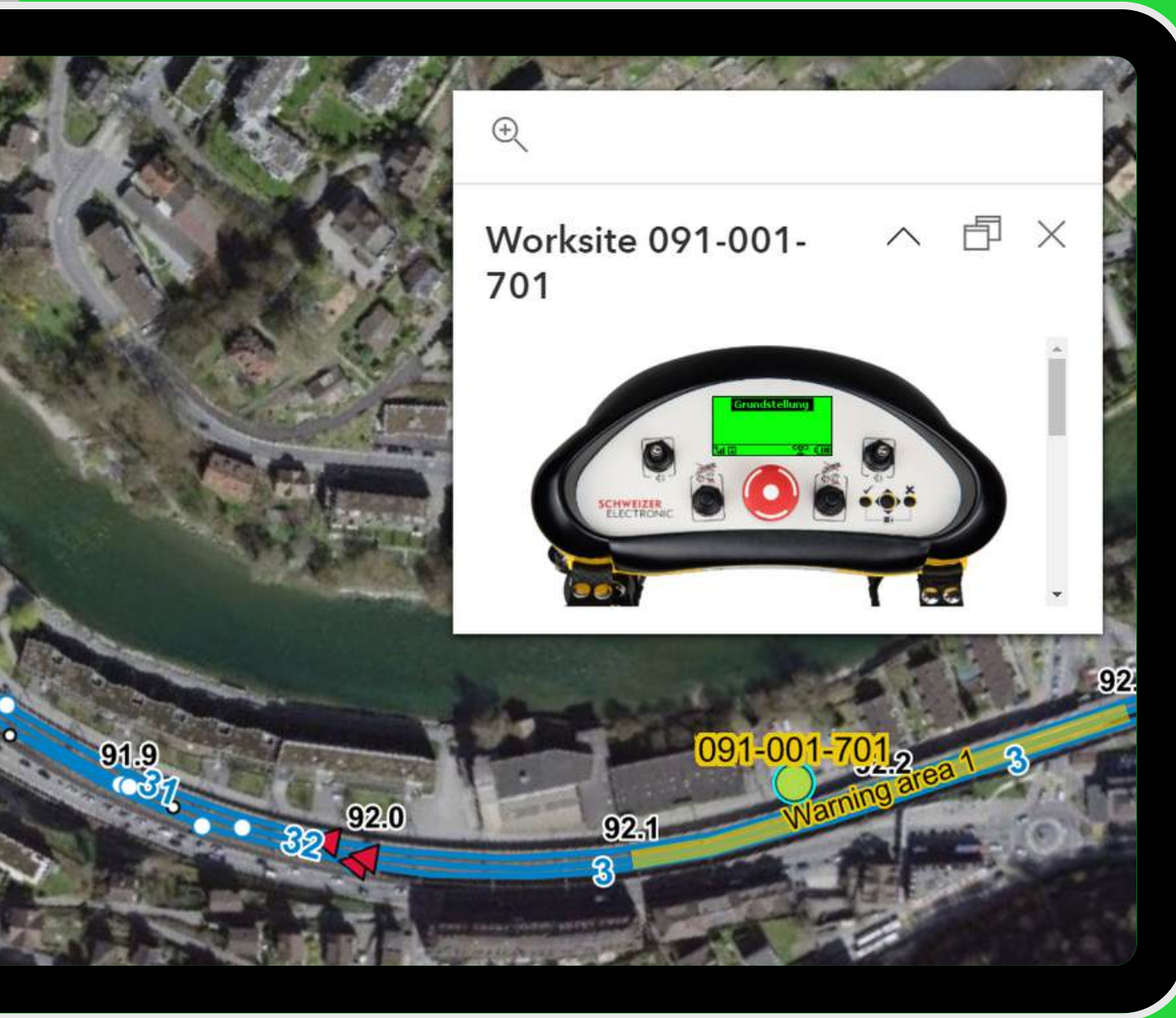
🗨️ Could you verify the position of the warning zone?

<	✓ Yes	➤
✗ No		



**SCHWEIZER
ELECTRONIC**

Enforce 2, 4 or 6 eyes review process and audit the changes to keep everything digitized.



SCHWEIZER ELECTRONIC



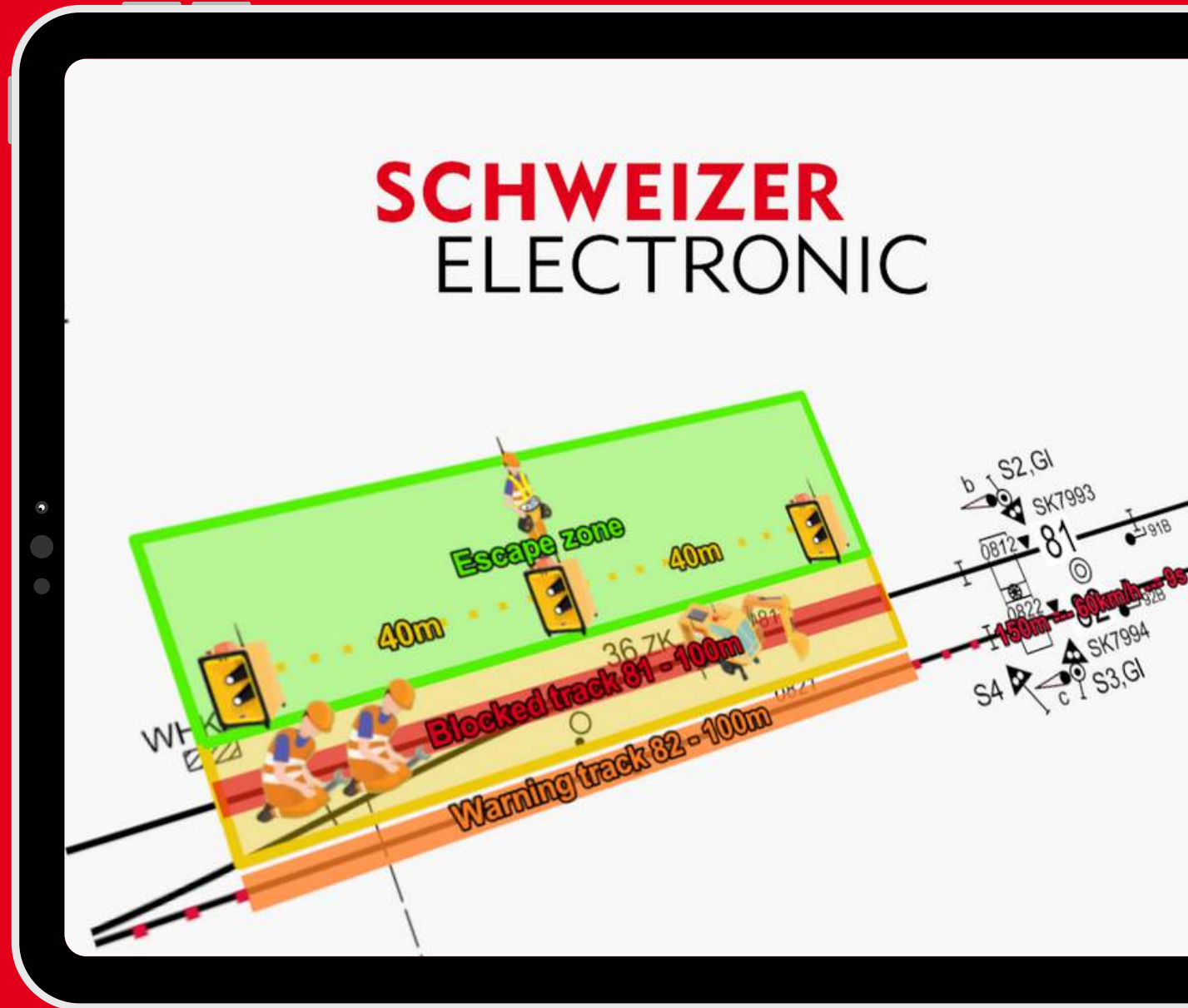
Live Monitoring

Visualise the live information and operate without any surprises.



Customise your experience

Whether you need to plan a simple warning zone or the most complex scenario, we have you covered.



AWAP prototype

Automated **WA**rning **P**rocesses

Our **innovative modular concept** seamlessly combines safety-critical and non-safety-critical applications, creating a unified ecosystem that maximises efficiency while maintaining the highest safety and security standards.

AWAP operates seamlessly, requires minimal installation, less personnel, and generates warnings automatically while avoiding false positives and maximising working time.



No Lookout Operators



No On-Tracks Installation



Minimised Work Interruptions



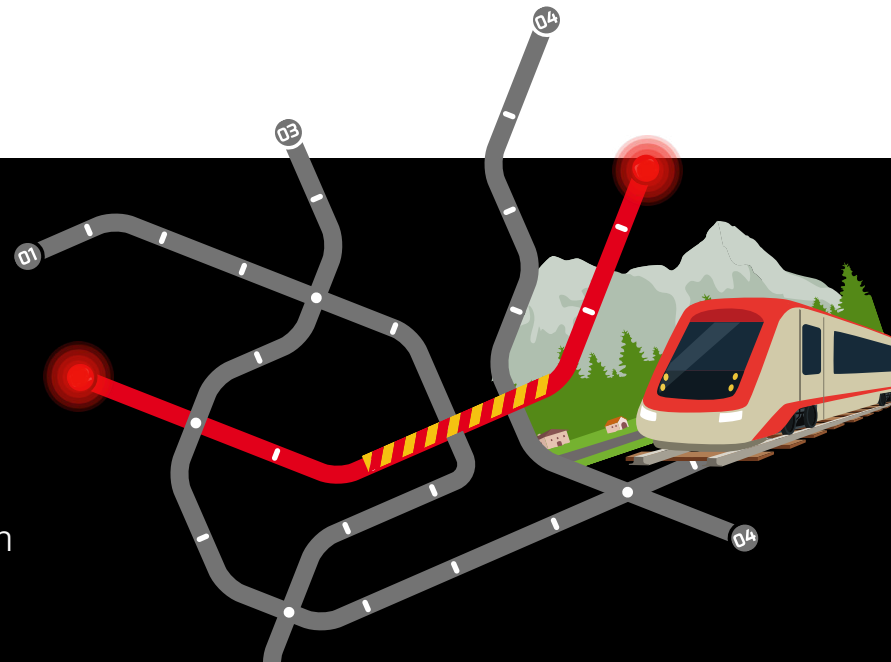
Timely Warnings



Weather Independent

SCHWEIZER
ELECTRONIC

www.schweizer-electronic.com



Watch Demo

