

BUREAU  
VERITAS

 SECURITY  
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A BUREAU VERITAS COMPANY  
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# CYBERSECURITY SERVICES FOR RAILWAY

Technology is now a major part of railway networks and operations. Cybersecurity risks and requirements are increasing because of this. Bureau Veritas can help you secure yourself against cyber attacks and reach compliance with cybersecurity regulations.

## WHY CYBERSECURITY FOR RAILWAY IS IMPORTANT

Digital technologies such as automated signaling systems (CBTC, ERTMS), predictive maintenance and remote monitoring are now an integral part of railway operations. This means that the risk of disruption due to cyber attacks or system failure is increasing. At the same time, railway transportation has become critical infrastructure. Our societies rely on railway for daily mobility, and railway plays a key role in sustainable future mobility. That is why regulators are focusing on cybersecurity measures to protect this sector, for instance through NIS2 and the CRA, regulations that aim to strengthen the cyber resilience of the essential and important sectors such as railway.

## YOUR MAIN CHALLENGES

We see two main cybersecurity challenges facing the railway sector:

- 1. Increased cyber attacks:** Cyber attacks on connected rail vehicles, components or signaling systems can disrupt train operations, potentially altering train signals, causing delays, collisions, or even derailments. In 2022, rail systems in Europe reported cyber incidents targeting such systems, aiming to interrupt services.
- 2. Increased cybersecurity regulation:** To make sure the whole rail supply chain is more digitally secure, the EU has adopted the NIS2 Directive. All European railway systems fall under NIS2 from October 2024, as do suppliers.

## THESE CYBERSECURITY SERVICES FOR RAILWAY GIVE YOU:



### Compliance with regulation

Our experts can help you with the most complex IEC 62443 projects.



### Global availability

We have experts around the globe, ready to help you.



### A trusted partner

We serve many railway clients, so you can count on our unique knowledge of your sector.



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## HOW WE SUPPORT YOU



### Close NIS2 gaps

We support you on your journey to NIS2 compliance, for instance with: NIS2 Applicability Assessments, Gap Assessments, Boardroom Training and Implementation Support.



### Reach IEC 62443 compliance

Our experts can help you with the whole IEC 62443 compliance journey, from training and Gap Assessments to Consultancy and preparation for certification.



### Secure your OT environment

Do you need help securing your OT environment? Our OT security consultants have extensive expertise with Industrial Vulnerability Assessments and Penetration Testing (VAPT) and consultancy.



### Reach ISO 27001 compliance

ISO 27001 certification covers roughly 90% of NIS2 requirements. We can help you prepare for your ISO 27001 certification or train your staff to implement ISO 27001.

## WHAT OUR CLIENTS SAY



*"Working with Bureau Veritas marks a significant step in our commitment to cybersecurity in our company, our products and to our customers."*

**Nicolas Lange, Member Executive Board - Knorr-Bremse**

## WHY CHOOSE BUREAU VERITAS

At Bureau Veritas, we are dedicated to being your trusted partner in cybersecurity. We go beyond quick fixes and isolated services. Our integrated approach makes sure that every aspect of your company or organization is cyber resilient, from your technology to your processes and your people.

Bureau Veritas, specialized in testing, inspection and certification, was founded in 1828, has over 80.000 employees and is active in 140 countries.

Trusted by:

- Alstom
- Knorr-Bremse
- MOXA
- Cylus
- Dutch Railway (NS)

## CASE STUDY: IEC 62443



A global leading train and component manufacturer wished to establish a common language with their customers, to guarantee the quality of its solutions and enhance the work of internal teams. To achieve this, the manufacturer decided to obtain IEC 62443 certification.



Bureau Veritas helped define a common approach to achieve their certification objectives. We conducted preparatory gap assessments and helped this client get ready for certification.



**Ed Adams**  
Head of Cybersecurity North America  
Bureau Veritas Group

## INTERESTED?

Contact us today to plan a meeting about railway cybersecurity



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