



CYBERSECURITY IN RAILWAY SECTOR

TRAIN SYSTEM INTEGRATOR

- OT Security services
- Security Governance
- Incident response
- Training
- IT/OT penetration testing
- IEC 63452 and IEC 62443

RAIL INFRASTRUCTURE OWNER

- Risk management
- Compliance
- Incident Response
- Supply Chain management
- Security Governance
- IT/OT penetration testing

TRAIN OPERATOR

- Risk management
- Compliance
- Supply Chain management
- Security Governance
- IT/OT penetration testing

TRAIN SYSTEM INTEGRATOR

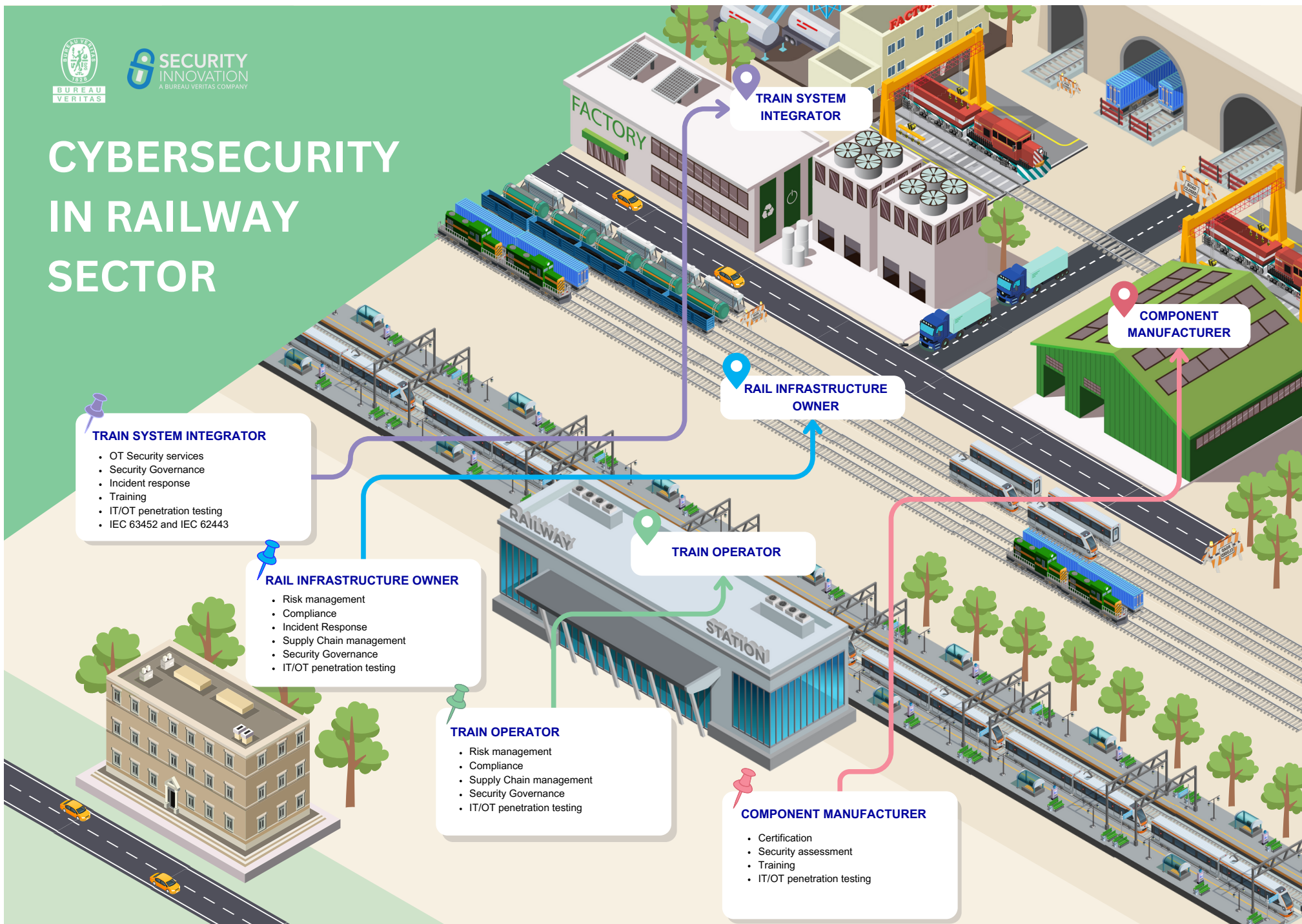
RAIL INFRASTRUCTURE OWNER

TRAIN OPERATOR

COMPONENT MANUFACTURER

COMPONENT MANUFACTURER

- Certification
- Security assessment
- Training
- IT/OT penetration testing



CYBERSECURITY IN RAILWAY SECTOR

TRAIN INTEGRATORS

Are you a train integrator?

Then you aim to develop high-quality trains that are secure against current and future cyber threats, providing a competitive advantage in the market.

Bureau Veritas can support train integrators by enhancing the cybersecurity of both your vehicles and manufacturing processes. For vehicles, services like threat modeling, secure design reviews, penetration testing, and IEC 62443-3-3 certification help ensure robust security and strengthen market positioning. Support in preparing for compliance with upcoming regulation like IEC 63452.

TRAIN OPERATORS

Are you a train operator?

Then you aim to prioritize the operational resilience of your rolling stock and its integration with external environments, with a particular focus on safety-related functions.

Bureau Veritas can help train operators secure your fleets by pentesting your trains on vulnerabilities, developing a comprehensive supply chain risk management strategy, conducting independent evaluations of suppliers, and performing technical and regulatory audits on vehicles, systems, and companies to ensure compliance and safety.

COMPONENT MANUFACTURERS

Are you a component manufacturer?

Then you produce parts for both rolling stock and ground systems, such as braking or signaling, where ensuring product security and maintaining a competitive edge are top priorities.

Bureau Veritas can assist component manufacturers with IEC 62443-4-1 and 4-2 certification for your products, demonstrating to customers that the highest security standards are integrated throughout the product and its entire lifecycle.

Additionally we offer all the services required to gain product certification such as threat modeling, risk assessment and penetration testing.

For production systems, Bureau Veritas offers OT site assessments, OT penetration testing, OT security plans, and cybersecurity training to effectively manage cyber risks and ensure compliance with regulatory standards.

RAILWAY INFRASTRUCTURE OWNERS

Are you a train infrastructure owner?

Then you are responsible for securing critical infrastructure, including signaling systems, track management, and communication networks.

Bureau Veritas can enhance your security efforts by developing a third-party security management strategy, pentesting your infrastructure on vulnerabilities and providing secure architecture designs and reviews. Also incident response simulations and training can be conducted to ensure robust protection against potential cyber threats.

Moreover, Bureau Veritas is an expert in TS 50701 which defines specific cyber security requirements for railway. We can support in training the experts and guide through the process of requirements selection and implementation.