Private 5G
Networks for Ports and Logistics

We provide secure and seamless connectivity solutions for enterprises.

About LMT

- 300M+ EUR in revenue
- 100+ telecom experts
- 30+ years of experience in the telecom industry
- 24/7 NOC operations
- Experienced system integrators
- Only proven technologies
- First industrial 5G NPN in the Baltics

iaph international association of ports and harbors
Best Port Digitalization Solution 2024 at the Freeport of Riga

bmtrada SYSTEM CERTIFICATION ISO 9001 CERTIFICATION — Quality management
bmtrada SYSTEM CERTIFICATION ISO 14001 CERTIFICATION — Environmental management
bmtrada SYSTEM CERTIFICATION ISO 27001 CERTIFICATION — Information security

5G NPN at the Baltic Container Terminal

The Business: A 53-hectare container terminal in the Baltic Sea, handling over 325,000 TEU containers annually.

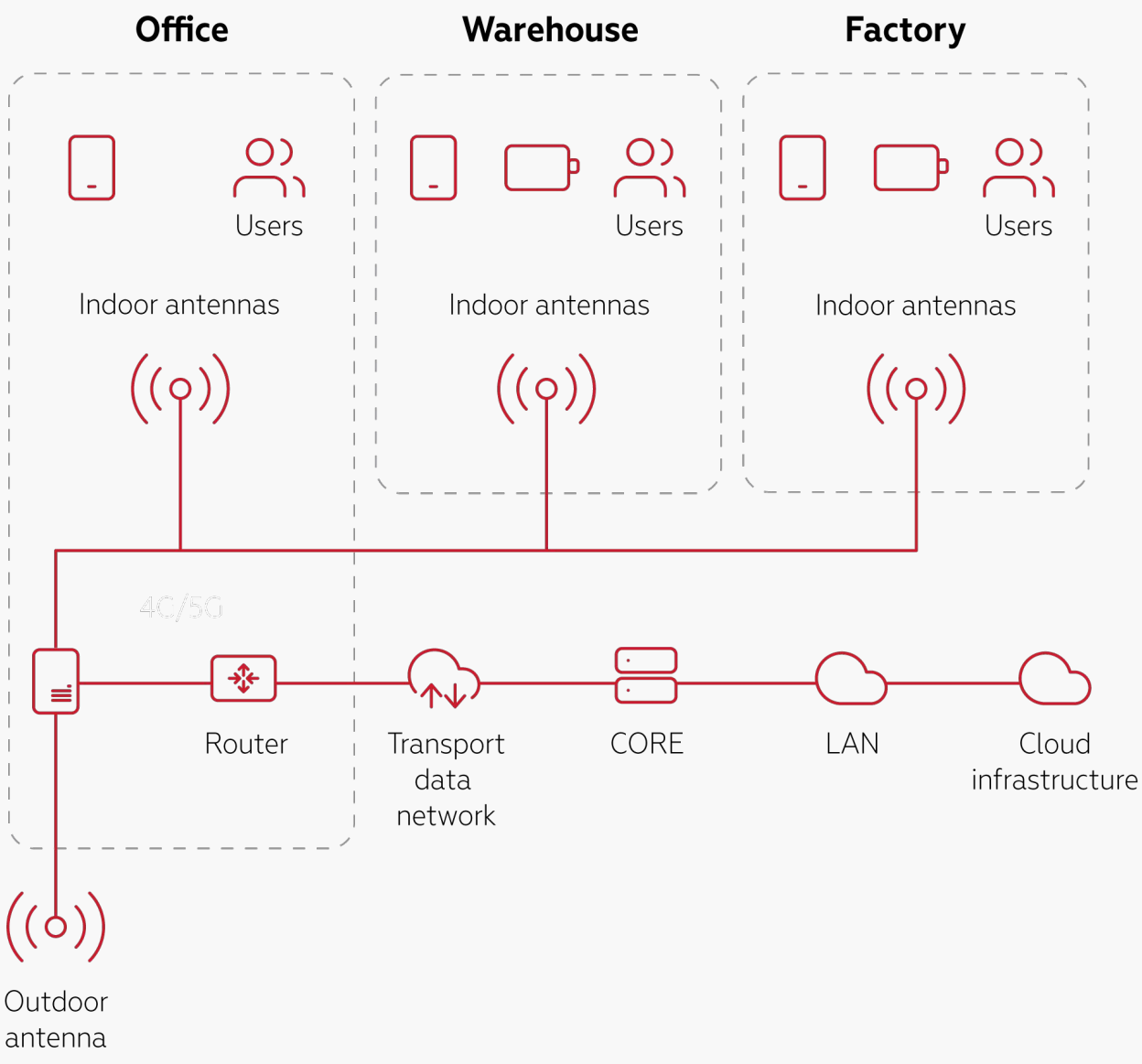
Challenges:

- Unstable WiFi coverage.
- Limited data transfer speed.
- Analog radios with restricted functionality.
- Connectivity does not support automation.

Results:

- Excellent coverage across the entire area, enabled by a 5G SA NPN (Standalone Non-Public Network).
- Full PTT functionality, replacing analog radios with voice, text, and data transfer for various workgroups.
- High-speed data transmission from cranes, video cameras, and machinery.
- Seamless equipment operation with uninterrupted data sessions and a stable speed of approximately 100 Mbps.
- Network integration with the local LAN, enabling the use of existing software solutions.
- Implementation of Automated Mobile Robots and expanded video surveillance capabilities.

How the **5G NPN** is designed?



Our Core Competencies

Integration

As an experienced Mobile Network Operator and System Integrator, we combine various 5G NPN and local network technologies to deliver robust, secure, and high-performance connectivity.

Expert Team

Our in-house specialists cover radio planning, 5G core configuration, network integration, and other technical fields, bringing extensive experience in the mobile network industry.

Flexibility

We design 5G NPN solutions tailored to your specific needs and business challenges. Our team can integrate 5G NPN with LAN and incorporate additional wireless technologies when beneficial for your business case.

Proven Track Record

We specialize in private 5G networks for ports and logistics, with successful 5G NPN deployments across various business sectors.

Comprehensive Support

We provide end-to-end service, from network design to implementation and maintenance, ensuring seamless operation through our Network Operations Center (NOC) and Service Level Agreements (SLA).

Cost-Efficiency

By leveraging the best market offerings from leading suppliers, we deliver tailored solutions that align with your business needs while optimizing costs.