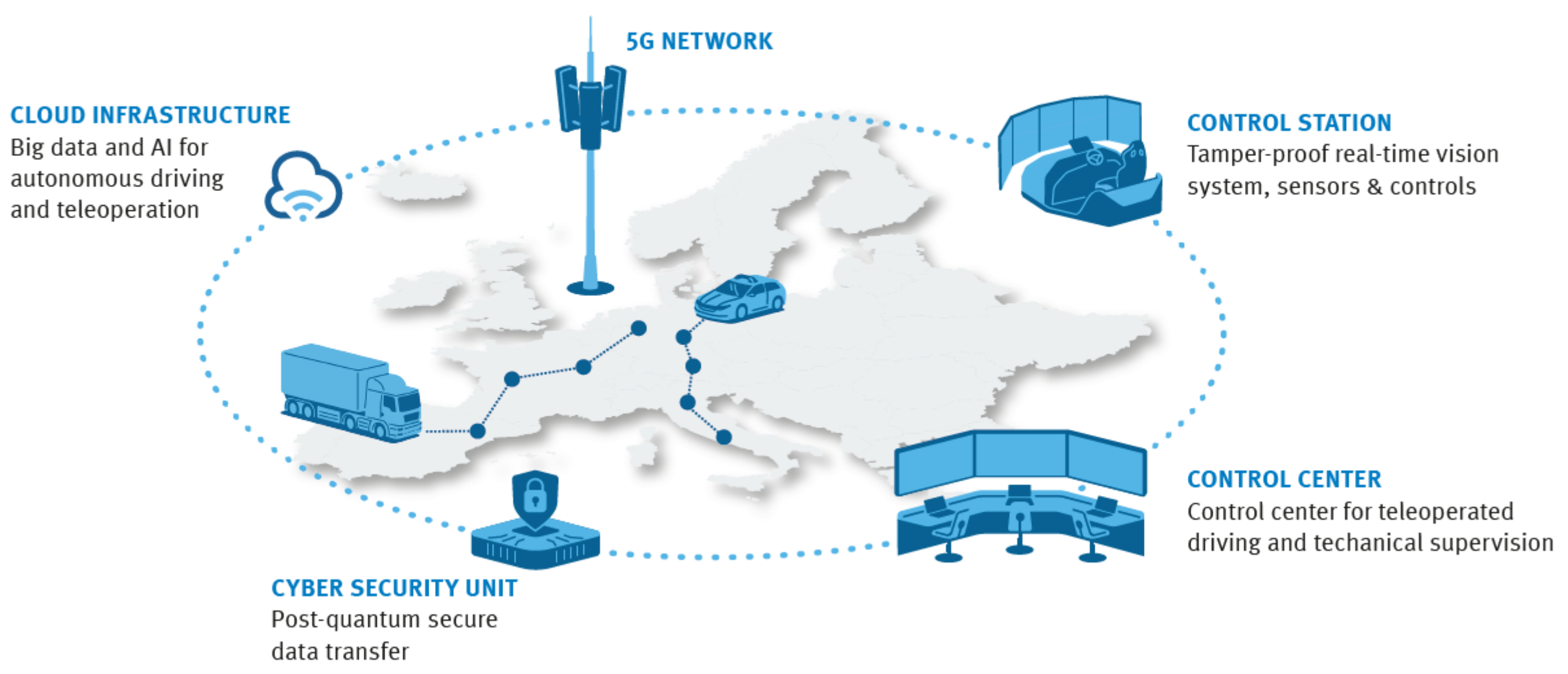


WE DRIVE FUTURE MOBILITY – From Cloud to Edge

Post-Quantum Secure generic IoT Application (POQUASIA)



We demonstrate the performance and potential of a cloud infrastructure and edge applications by the use case of teleoperation



Enabler for connected mobility and autonomous driving

- Road, rail, waterway
- Passenger transportation and logistics
- Fault management for autonomous systems
- Special trips on line haul or detours
- Empty runs



▶ Transportation



▶ Rail



▶ Waterways



▶ Airports



▶ Agriculture



▶ Logistics

Rheinmetall supports the European initiative IPCEI-CIS by building a scalable, real-time-capable and secure cloud infrastructure for a generic IoT platform.

For applications with the highest requirements relating to security, latency and availability

- secure and scalable cloud-environment,
- cloud-agnostic, generic IoT platform with distributed architecture,
- AI based real-time fleet and route management,
- enhanced security using post-quantum encryption methods
- AI based tools to enhance connectivity, reliability and availability

Flexible, performant, secure, scalable



Approved Operational Areas in Germany

Remote Driving on Public Roads – Test operations in collaboration with Rheinbahn AG in Düsseldorf in May 2026 – stay informed here

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