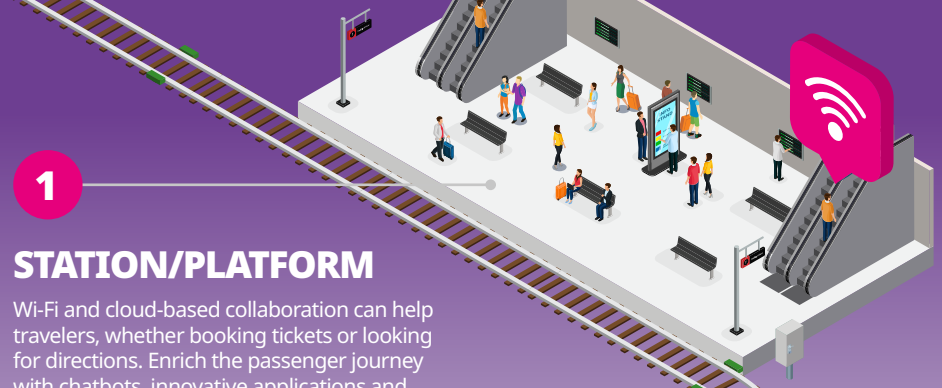
ON TRACK: SAFE AND SECURE RAIL



1 STATION/PLATFORM

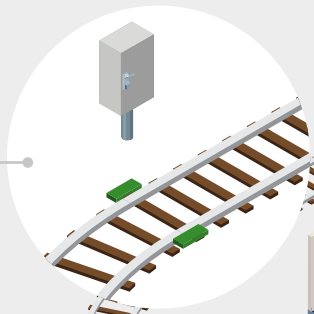
Wi-Fi and cloud-based collaboration can help travelers, whether booking tickets or looking for directions. Enrich the passenger journey with chatbots, innovative applications and Artificial Intelligence. And make network access cybersecure by design to prevent threats.

2 ONBOARD

Voice, web and mobile applications make the journey easier and more enjoyable. Proactively provide information and integrate chat, voice and video to deliver a personalized multimedia experience. In the event of an incident, passengers can request assistance through the onboard mission-critical communications system.

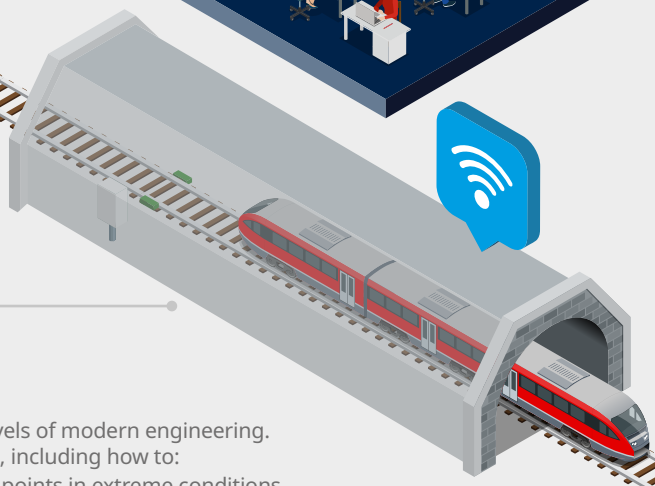
3 TRACKSIDE

Ruggedized Ethernet switches that withstand harsh conditions provide trackside technology to support subsystems such as signaling, emergency telephony, video surveillance and Wi-Fi. On-track sensors deliver real time information to help identify problems before they cause issues.



4 OPERATIONS CONTROL CENTER (OCC)

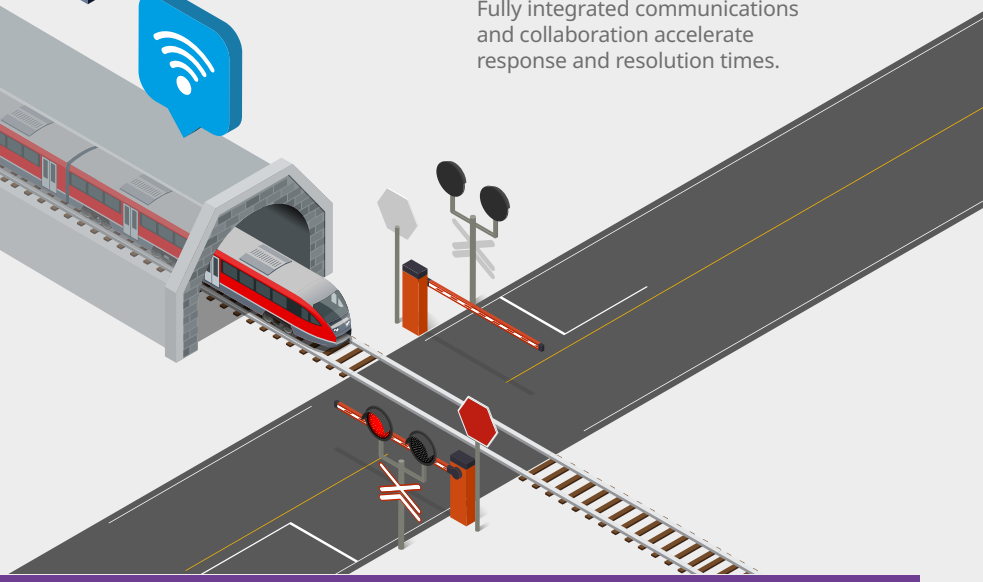
Integrating private and secure cloud-based applications and a management platform into the OCC simplifies day-to-day operations. A converged mission-critical architecture reduces the number of networks that require support and management. Fully integrated communications and collaboration accelerate response and resolution times.



5 TUNNELS

Today's rail tunnels are marvels of modern engineering. However, challenges remain, including how to:

- Connect thousands of datapoints in extreme conditions
- Ensure stable communications when accidents happen
- Provide a network monitoring and control system
- Guarantee safety for maintenance teams



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