RAIL SAFETY: STAY ON TRACK IN THE 21ST CENTURY

1 STATION/PLATFORM

Whether travellers are booking tickets or looking for directions, cloud-based collaboration and LBS help ensure they get where they need to be. Innovative communications such as AI, cognitive communications, chatbots, and applications provide new opportunities to engage passengers on their journey.

3 TRACK-SIDE

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

2 ONBOARD

Use voice, web and mobile applications to make the journey easier and more enjoyable. Proactively provide information. Integrate chat, voice and video to deliver a personalized multimedia experience. In the event of an incident, passengers can request assistance directly from their app.

4 OPERATIONS CONTROL CENTER (OCC)

Integrating private and secure cloud-based applications and a management platform into the control center simplifies day-to-day operations. A converged mission-critical architecture reduces the number of networks that require support and management.

5 TUNNELS

Today's rail tunnels are modern engineering wonders. However, challenges still exist including:

- Connecting thousands of data points in extreme conditions
- Ensuring stable communications when accidents happen
- Providing a network monitoring and control system
- Guaranteeing safety for maintenance teams

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