Parallel Session 2A – Smart Solutions for Stations

Making Railway Stations Smart about sensors, data and service quality

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IoT Project Lead
DB Station&Service AG
We build and operate Railway Stations
Our IoT Projects

Existing Assets
• Elevators & Escalators
• Train Station Clocks
• Lighting

IoT from Scratch
• Ice Sensors
• Pax Counting
ADAM: elevators made smart

- Over 3000 Installations
- Developed inhouse
- Works with every Elevator
- Uses Mobile Network
- Open Data
The Station Clock talks back

- Replace expensive time sync
- Device Monitoring
- Sensor Hub
- LoRaWAN IoT Network
- Development w/
  - Clock Manufacturer
  - IoT H/W Engineers
  - Software Engineers
Passenger Flow Metering everywhere

What
• WiFi
• Cameras
• Sensor Mats

Where
• LED Tubes Retrofitting
• Station Clock
Upcoming: Ice Sensors

- Detect Ice, Snow, Hail
- Schedule staff
- Better Service Quality
- Increase Efficiency
Our Goal is Data Driven Operations

- Understand your stations
- Do better planning
- (Re)Act in Realtime
- Predictive maintenance
- Enhance customer experience
- Improve Service Quality
- Efficiency
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Thank you for your kind attention