A digital travel with ALSTOM

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Paris, 7 October 2016
2006: Happy Birthday TrainTracer™

- Rapid collection of train data
- Provision of train data for informed decisions
- Improved productivity
What happened since?

- Cost of **data communication** decreased significantly
- **Geo-localization** components and related services are more accessible
- Long lasting solutions for **power supply** or power storage are available
- **Data processing and storage capacities** increased dramatically
A chain is as strong...

... as its weakest link!
Catenary data
External train data
Track data
Trackside product data
Internal train data
Environmental data
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HealthHub™

- Asset data from various sources
- Displayed in ergonomic user interfaces
- From fleet view to train view to component view
- Current and predicted state of health
HealthHub™

Prediction of Remaining useful life (RUL)

- Data Prognostics
- Assessment Monitoring
- Data Capture

Last changeover

Today

Currently planned changeover

Revised changeover

Time / Usage

2 4 6 8 10 12 14 16 18

Monitoring

Extension

Warning limit

Wear limit

HealthHub Wear prediction

Data Capture

Assessment Monitoring

Data Prognostics

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• Digital knowledge grows along the travel
• Don’t travel alone
• Be aware that there is no final destination
Thank you!

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A train system

Track  Station/Depot  Train  Control Center