Digital Experience/ Electronic documents/ Data storage/ Security of network connections IoT / Big Data
Digital Interactive Experience

SNCF RAIL NETWORK

30,000 km of lines
2,024 km on high speed tracks
+ 800 km planned for 2017

1,742 bridges
26,733 tunnels and viaducts
1,142 walkways over tracks
2,271 signal boxes
MAINTENANCE

Maintenance and tracks works

Maintenance and mechanical signaling works

Maintenance and electrical signaling works

Maintenance and power supplies works

Maintenance and telco installations works

Maintenance and catenaries works
INSULATION MEASUREMENTS

Security and network performance Towards real-time information on each component

Around 3 000 staff

40 000 signaling huts
E-ISOLEMENT SOLUTION

In mobility situations:
- Dematerialization of reporting activities
- Manual input of data
- Automatic acquisition of data from sensors
- Synchronization with the central database

On the site:
- Local storage of the collected data
- Access to previously collected data

Asynchronous data transfer

At the office:
- Administration Interface
  - Access to the collected data
  - Analysis of the collected data
  - Historical evolution of the data

Alerts via mail and SMS in case of:
- Drift in measured values
- Action to be taken by the supervisor

Team Leader
- Alerts via mail and SMS

Worker on the field with its mobile equipment or wearable device

Construction or Maintenance site

Team Leader

Supervisor

NFC-Interactive
HOW DOES IT WORK?

E-ISOLEMENT

Supervisor

Alerts

Responsiveness

Network

Offline  Online

Reliability

Data

Local storage of Data

Server

Workers

Technical Center

Digital Interactive Experience

NFC-Interactive
A MOBILE APPLICATION WHEN ON THE FIELD
A DEDICATED DESKTOP APPLICATION
PRODUCTIVITY, SERVICES & SAFETY

- Easy Data Collection in Mobility Situations
- Inventory of Assets
- Local Storage of Data
- More Data Collection
- Responsiveness
- Improved Security

Digital Interactive Experience
CUSTOMER PAIN POINTS

- Multiple Stakeholders
- Constrained Environment
- Mobility Situations
- Comprehensive Management

- Different employees
- Limited Network
- No Office
- Data Transfer
- Subcontractors
- Security issues
- On-site operations
- Cost reduction
- Quick response
OUR PLATFORM

OFFLINE / ONLINE / HYBRID
KNOW-HOW & TECHNOLOGIES

Connectivity
- Offline
- Online
- Hybrid
Solutions adapted to Multiple environments
Expertise / R&D since 2009

Deployment
- Everywhere
- Maitrise Capteurs
Tags / QR-Code / BLE beacons / Sensors / Connected objects
Expertise / R&D since 2011

Plateform
- SaaS
- Plug & Play
Integration of all communication protocols
Expertise / R&D since 2012

Interface
- Servers
- Administration
- Software
We design Administration Interfaces for our customers
Expertise / R&D since 2013
CONTACTS

NFC-Interactive
Created in 2014
SNCF Award of contactless challenge (March 2015)

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Together let’s shape the future of Mobility

Thank you!