SAFETY WEBINAR
Objects left on the Line

Kurt Van Ruyskensvelde
I'm safer and I know it
// Geolocated Asset Management
The Safer Works programme

Right on Track

but

SAFETY FIRST

//Safer-W

since 2020
The Safer Works programme

Life as it is …

it’s complicated
The Safer Works programme

//Safer-W

domains

Protection

Warning

Efficiency

Project portfolio

ATW-Tx
CMB
Virtual Fencing

ATWS
!infraSPAD
InfrAlert

Prodigis
Mobile Safety Door
Safety Protection Integrator

…
The Safer Works programme

// Safer-W

an individual, digital solution to avoid

Objects left on the Line

I'm safer and I know it
Geolocated Asset Management

Business Requests

1) Reduce the number of SPADs
   Signal
   Passing
   At
   Danger

2) Manage Red Panels, left on the Line
   Reduce unnecessary delay
// Geolocated Asset Management

1° Use case – reduce the number of SPADs

- warning when approaching a signal

- Driver in an unknown area

- Later on, focus on the job loss of attention

**IMPACT**

Driver looses his licence
Geolocated Asset Management

1° Use case – extension

warning when approaching a level crossing
Geolocated Asset Management

2° Use case – manage Red Panels

It happens that they are forgotten after the work has finished (big work zone)

IMPACT
Confusion
Time delay on the network
// Geolocated Asset Management

2° Use case – extension

Manage Earth Bars

- where
- when
- who

**IMPACT**

Confusion

Time delay on the network
3° Use case – make DATA more accurate

Assets in the database don’t always reflect the AS-BUILT situation

**IMPACT**
Inaccuracy
Frustration
// Geolocated Asset Management

Several Asset Management requests combined and integrated in a single mobile application, using Geolocalisation.

# 1 to help preventing SPAD’s

# 2 to manage red panels

# 3 REALITY not as on PLAN
to send quick feedback
// Geolocated Asset Management

InfraSPAD is based on the selfscan principle

Geolocalisation is active on the user’s smart device
- The QR-code on the panel is scanned
- The Action-button is pressed
  ➔ Data is sent to the central server
  ➔ Data is visible on the map for all other users

Install the asset
Remove (temporarily)
Remove

To manage red panels
// Geolocated Asset Management

InfraSPAD from the technical point of view

- Own Staff (300+600) users
- Contractors

mobile application

- Secure
- GDPR compliant
- Stable
- Robust
- GPS localisation
- Local MAP data
- QR code reader
- 4G connectivity
// Geolocated Asset Management

InfraSPAD from the End User perspective

- Own Staff (300+600) users
- Contractors

mobile application

- Quick
- Easy
- Intuitive
- Use at trackside
- Smartphone
- Vibrating wristband
Geolocated Asset Management

- Map view
- List view
- Share signal list
- Alert configuration
The InfraSPAD application needs a permanent localization for optimal functioning. We need your position even when the mobile is on standby. To activate permanent location, click on the location button and select: Allow all the time.
Geolocated Asset Management

Additional built-in features for analysis purposes:
- GDPR-compliant data
- 4G coverage & quality monitoring
- GPS coverage
- usage statistics

mobile application
// Geolocated Asset Management

Next Up

Situational Awareness

- Precise geolocalization, (10..20 cm)

- Augmented reality
// Geolocated Asset Management

SAFETY FIRST
Wrap Up

Geolocalisation
- Assets
- Machinery
- Workers
& Digitalisation

are a key features in modern Railway Safety

I’m safer and I know it