



FINAL EVENT INDID

June 11 and 12, 2024/ UPHF Valenciennes

DIR Nord / North-East site

Fabrice GHYSEL



DIR Nord / Site Nord-Est



Maintenance and operation of the non-conceded road national network

- Decentralized State service
- 650 staffs
- 1100km of road & 350km of motorway ramp managed
- 7 county in the DIR Nord perimeter / 30 locations (CEI, Districts...)
- Annual budget : 120 M€

Architecture



DIR Nord network

- Local server hosting PFro SCOOP (virtualized server)
- Gateway DATEX between SAGT & SCOOP servers
- Event traduction in Use Case

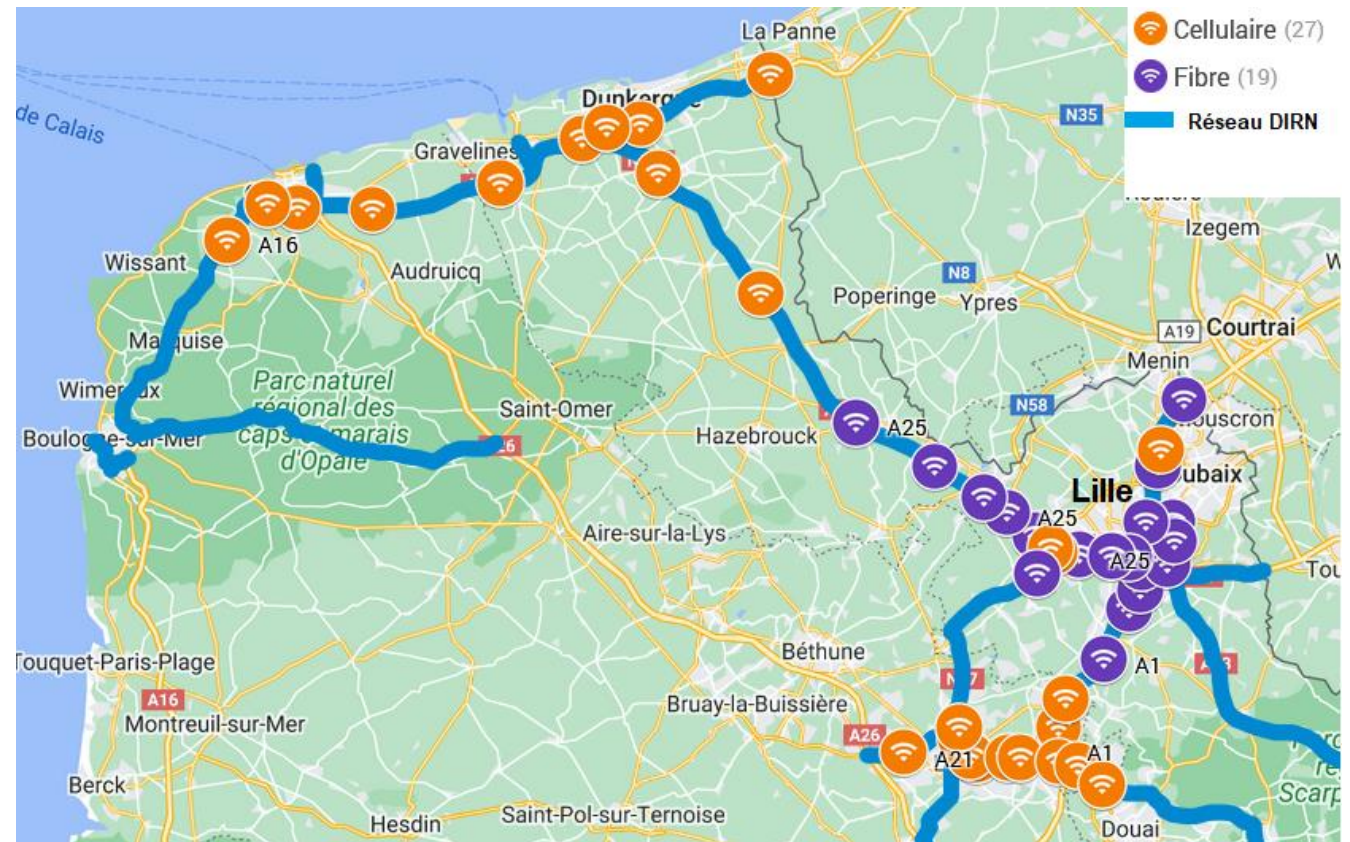


DIR Nord / Site Nord-Est



46 UBR NEOGLS

- Cellulaire transmission (x27)
- Optical fiber transmission(x19)
- Solar panel alimentation (x26)
- Wired power supply (x 20)

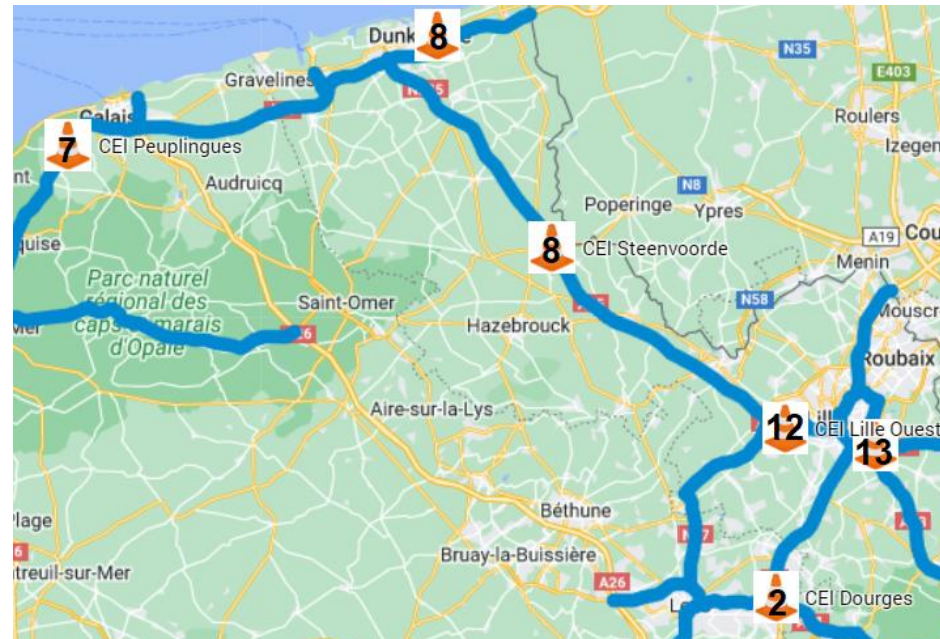


DIR Nord / Site Nord-Est



UEVG NEOGLS

- 50 vehicules equipped as part of the INDID project
- 6 CEI covered
- 250 vehicules to equip as part of the SCALE project in 4 years



DIR Nord / Site Nord-Est



Services in production

- Chain SAGT / COOPITS OK => Infrastructure to Vehicles
- Use cases sent :



Roadworks



Accidents



Slippery road / bad weather



Animals / person on the road



Broken down vehicle / obstacle on the road



Achievements and encounter difficulties



Achievements

- SAGT events made public / cooperative system
- Networking of the road with UBR
- IVI functional architecture

Difficulties

- Highly secure CIGT local network complicating the installations
- Updating of the equipments leading to service interruptions
- VtoV architecture unfinished due to lack of resources