

FINAL EVENT INDID

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Co-financed by the Connecting Europe Facility of the European Union

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InDiD – Infrastructure Digitale de Demain

DIR Est / North site Andy FLORIMOND

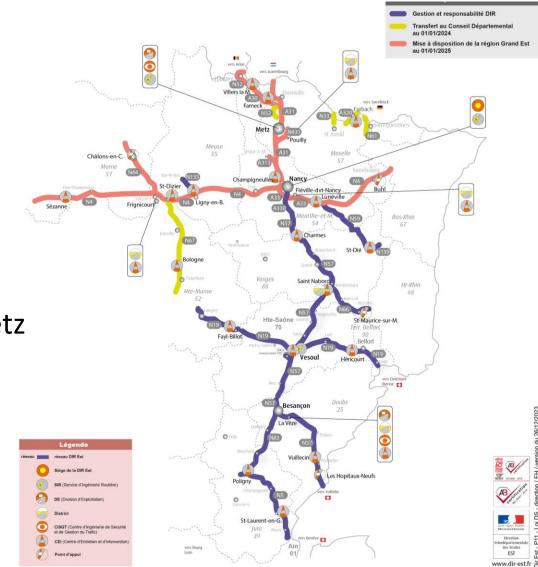


La DIR Est

- 1211km of road network
 - 678km state service
 - 533km district service
- + de 110 000* veh/h north of Metz
- + de 20 000* évènements / year
- 7* accidents / day
 - * 2023 data

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Facility of the European Union





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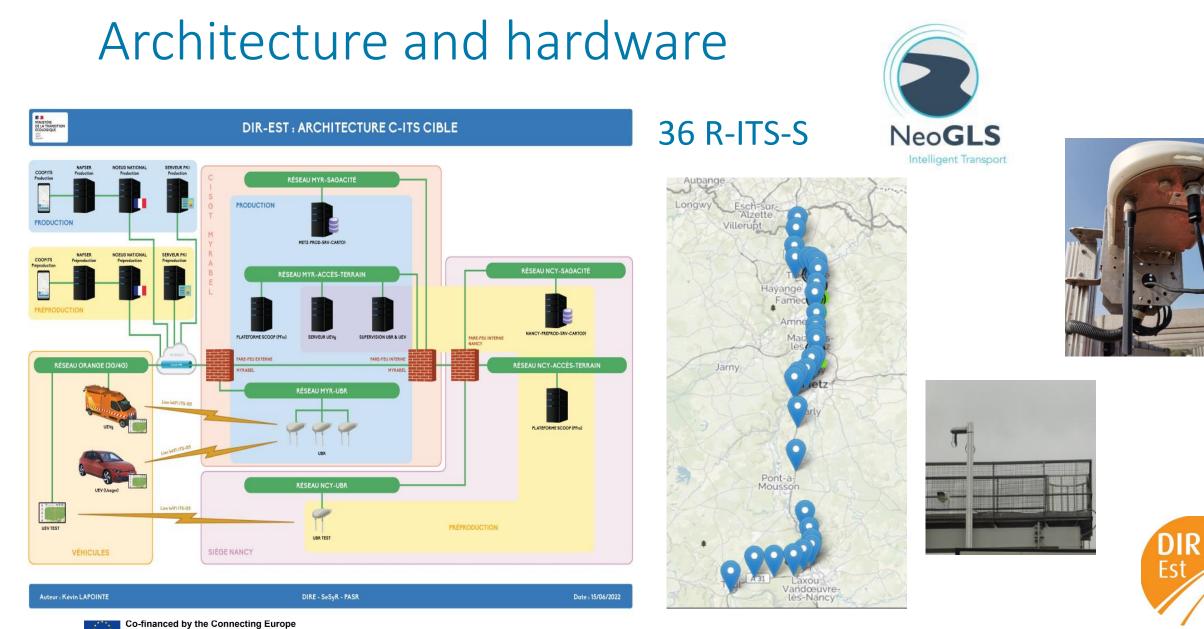
Use cases

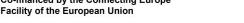
Use Cases	Road
	DIRE
A – Probe Vehicle Data (PVD)	
A1 – Traffic data collection	Х
A2 – PVD on detected events	х
A3 – PVD on declared events	Х
B – Road Works Warning (RWW)	
B1a - Alert neutralization of part of a lane, whole lane or several lanes	х
B1b – Alert planned closure of a road or a carriageway (RWWenhanced)	х
B1c – Alert planned road works – mobile	Х
B2a - RO's intervention - Alert operator vehicle approaching	Х
B2b - RO's intervention - Alert operator vehicle in intervention	Х
B2c - RO's intervention - Alert operator vehicle in patrol	х
B2d - RO's intervention - Alert end of queue by a road operator vehicle	х
B3a&b&c – Winter maintenance	Х
C – Signage Applications	
C2 – In-vehicle dynamic speed limit information (IVI)	
C3 – In-vehicle signage (Embedded VMS - PMV embarqué)	х

Use Cases	Road	
	DIRE	
D – <u>Hazardous</u> Location Notifications (HLN)		
D1 – <u>Temporary slippery</u> road	х	
D2a&b – Animal or people on the road	х	
D3 – Obstacle on the road	х	
D4 – Alert stationary vehicle / breakdown	х	
D5 – Alert accident area	Х	
D6 – Alert reduced visibility	Х	
D7 – Alert wrong way driving (WWD - Contre-sens)	х	
D8 – Unmanaged blockage of a road	х	
D10 – Alert emergency brake	Х	
D11 – Alert end of queue - V2V – I2V	Х	
E6 – Alert extreme weather conditions	х	
F – Parking, Park and Ride, Multimodality		
F1 – Information on parking lots location, availability and services		
G – Intersection (SI)		
G1 – GLOSA (Green Light Optimal Speed Advisory)		
H – Traffic management		
H4 – Dynamic lane management – reserved lane (I2V)	х	



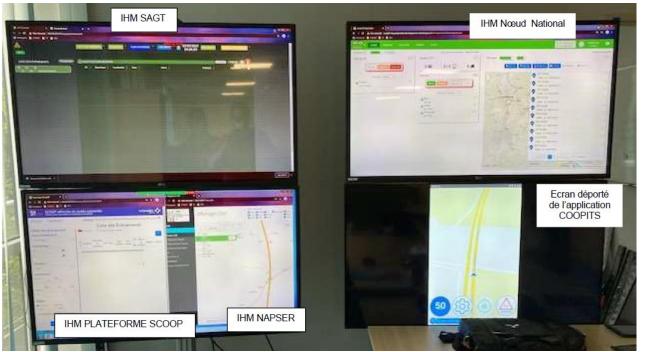






Tests and production service

Demonstration test site



Active service



- since 01/19/2023

- roadworks, animals ou person on the road, obstacle, congestion





Achievements and encounter difficulties

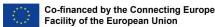
DIR Est

Achievements

- Compliance with the Grant Agreement (A31 connected, use cases)
- Deployment of a test site and demonstration
- Events boradcast on COOPITS

Difficulties

- COOPITS cannot be used across the entire DIR Est network
- Reliability and secure data flows
- Few users with connected vehicles



In the future



- 36 UBR active service (2nde part of 2024)
- Reliability computer flows
- More use cases to diffuse
- C-ITS culture in DIR Est

