



LOHR Railway System
Presentation FERRMED Conference

2019/11/06

Area of expertise

50 years of innovation in transport systems

Automotive



Logistics - Defence



Innovations

Railway System



Services

New mobilities



LOHR in France and around the world



An industrial holding constituted of 85 000 m² factories on 65 hectares ground in France, close to Strasbourg



RAILWAY SYSTEM



LOHR Railway System

Lohr Railway System: wagon + terminal equipment



Wagon designed to carry standard semi-trailers.

- *Extremely low floor : maximum height 22 cm from the rail*
- *Standard bogies and wheels*
- *Double articulated wagon , with 2 **pocket wagons** on 3 bogies*
- *No onboard motor or cylinder on the wagon*
- *Rotations of the pocket wagon carried out by ground equipments at the terminal*

Lohr Railway System is designed to organise very quick loading/unloading operations

This allows to handle big number of semi-trailers and maximum of trains



The european market of semi-trailers

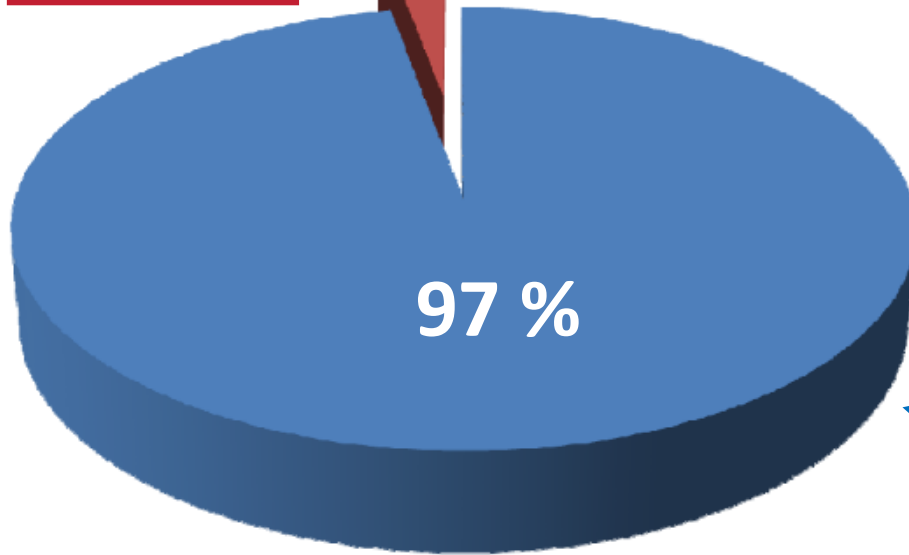


Most of semi-trailers in Europe are not compatible with conventional combined transport



About **70 000** specific semi-trailers crenable
(compatible with conventional Combined Transport) source UIRR

3 %



2 000 000 standard semi-trailers non-crenable
(no compatible with conventional Combined Transport)

Source EuroStat



LOHR System in operation on 6 lines

- 450 LOHR Wagons in operation since 15 ans
- More than 1 million semi-trailers transported
- Over 1 million tonnes of CO2 saved

Calais -Le Boulou
 VIIA Britanica (since 2016)
 105 wagons LOHR UIC




Paris -Sète
 VIIA - EKOL (since 2016)
 25 wagons LOHR UIC




Calais - Orbassano
 VIIA Britanica (since 2018)
 110 wagons LOHR UIC







Bettembourg -Lyon
 CFL (since 2018)
 26 wagons LOHR UIC



Bettembourg-Le Boulou
 LORRY-RAIL (since 2007)
 150 wagons Modalohr NA

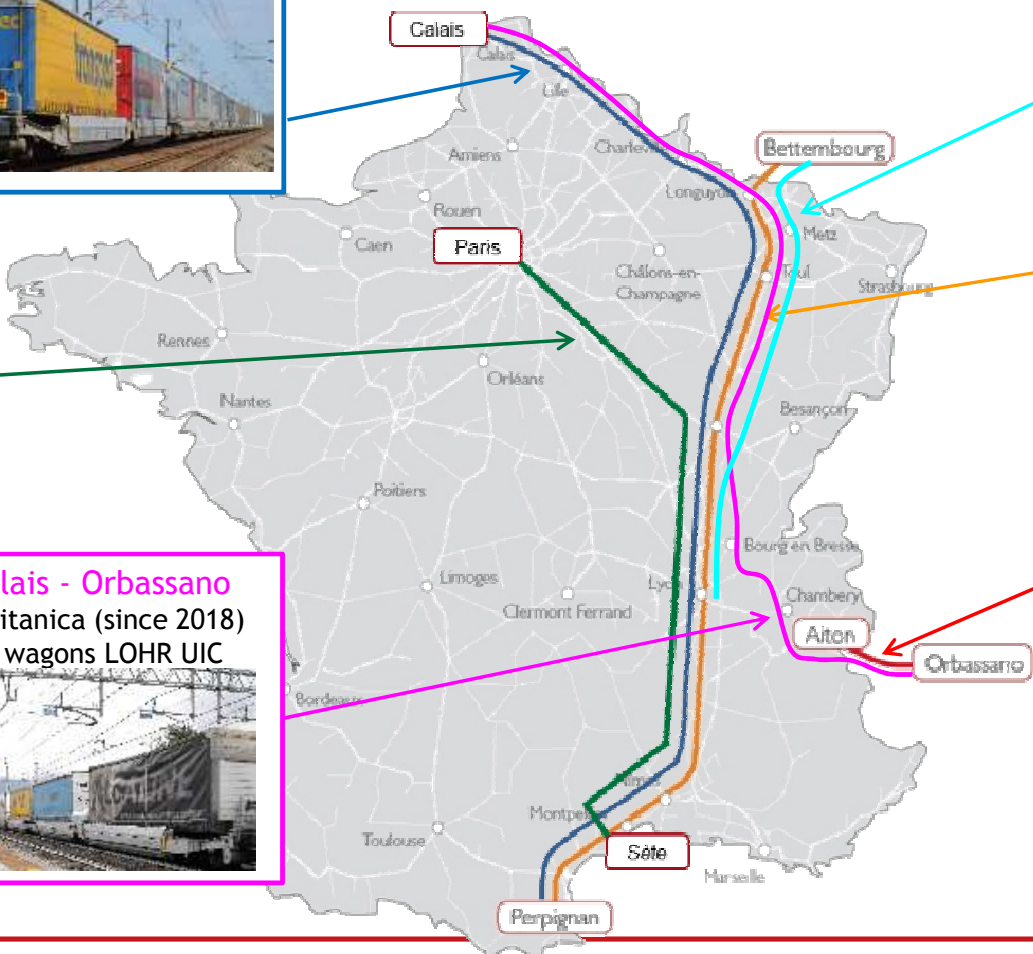


58.34% 
 33.34% 
 8.32% 

Aiton -Orbassano
 AFA (since 2003)
 35 wagons Modalohr AFA



50% 
 50% 

First line: Alpine Railway Motorway (since 2003)



Average occupation rate : 90 %

Aiton (near Lyon) - Orbassano (near Torino) 175 km 10 trains / day

First Commercial line: Lorry-Rail Railway Motorway (since 2007)

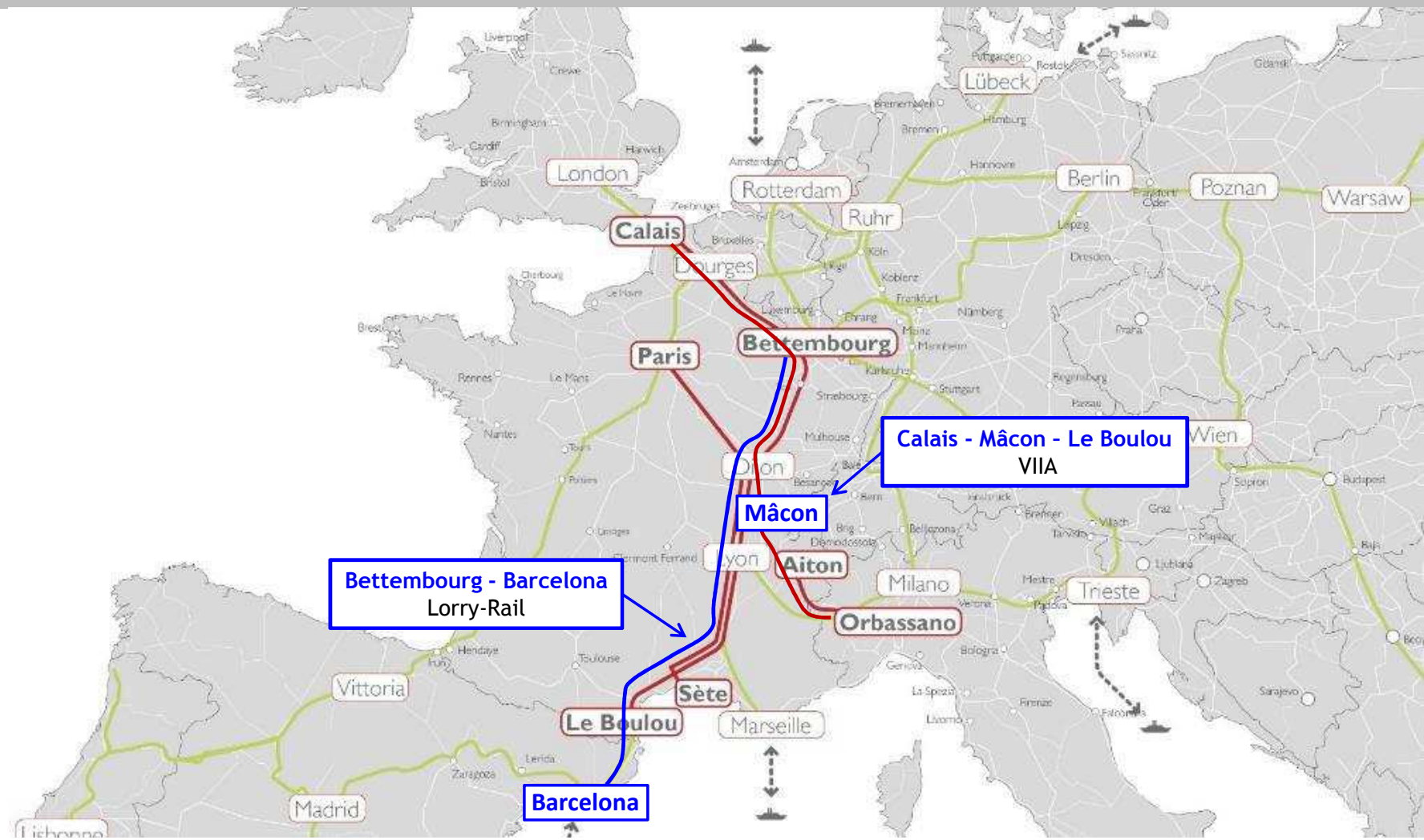
Average occupation rate : 86 %



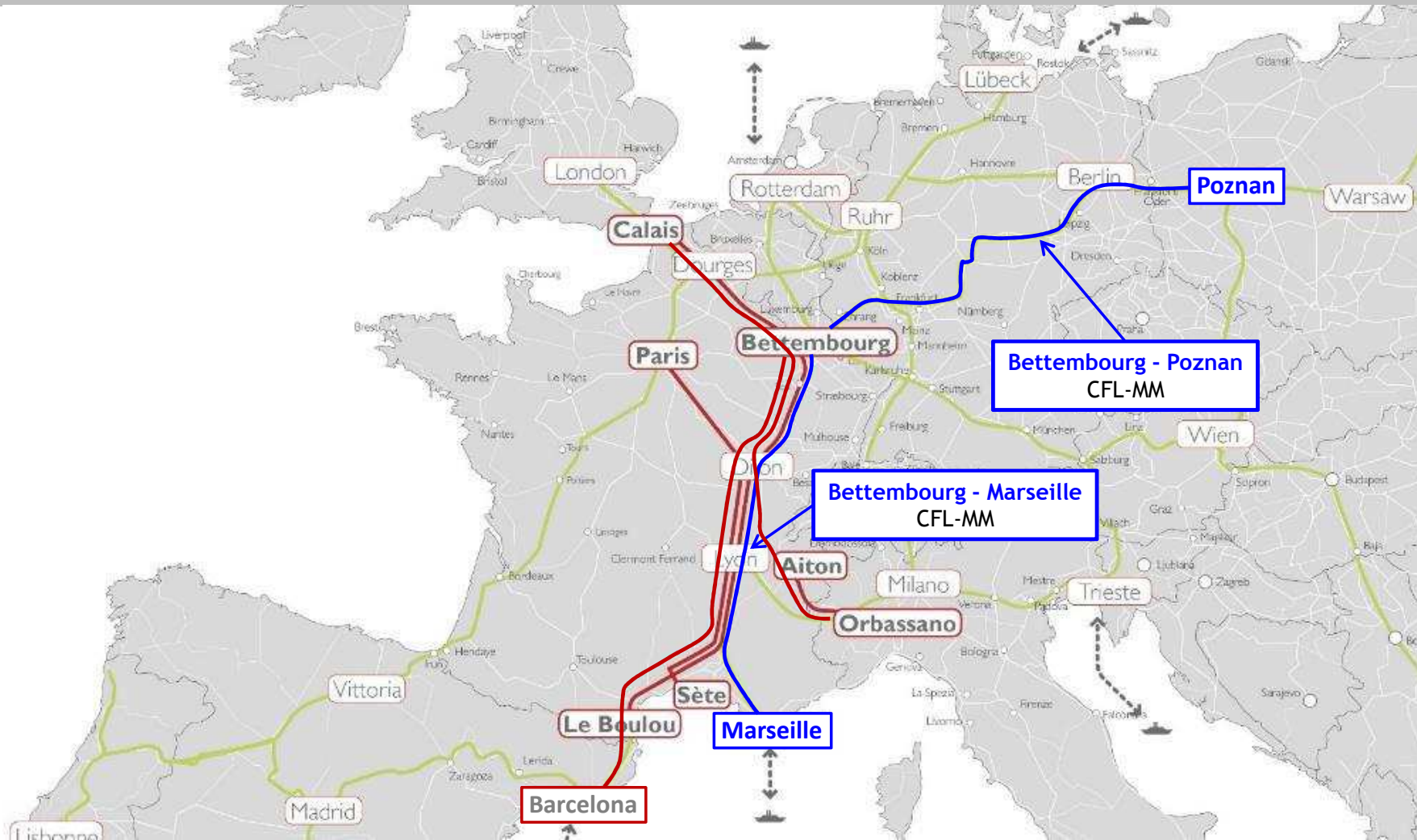
Bettembourg (Luxembourg) - Le Boulou (Perpignan)

1040 km 8 trains / day

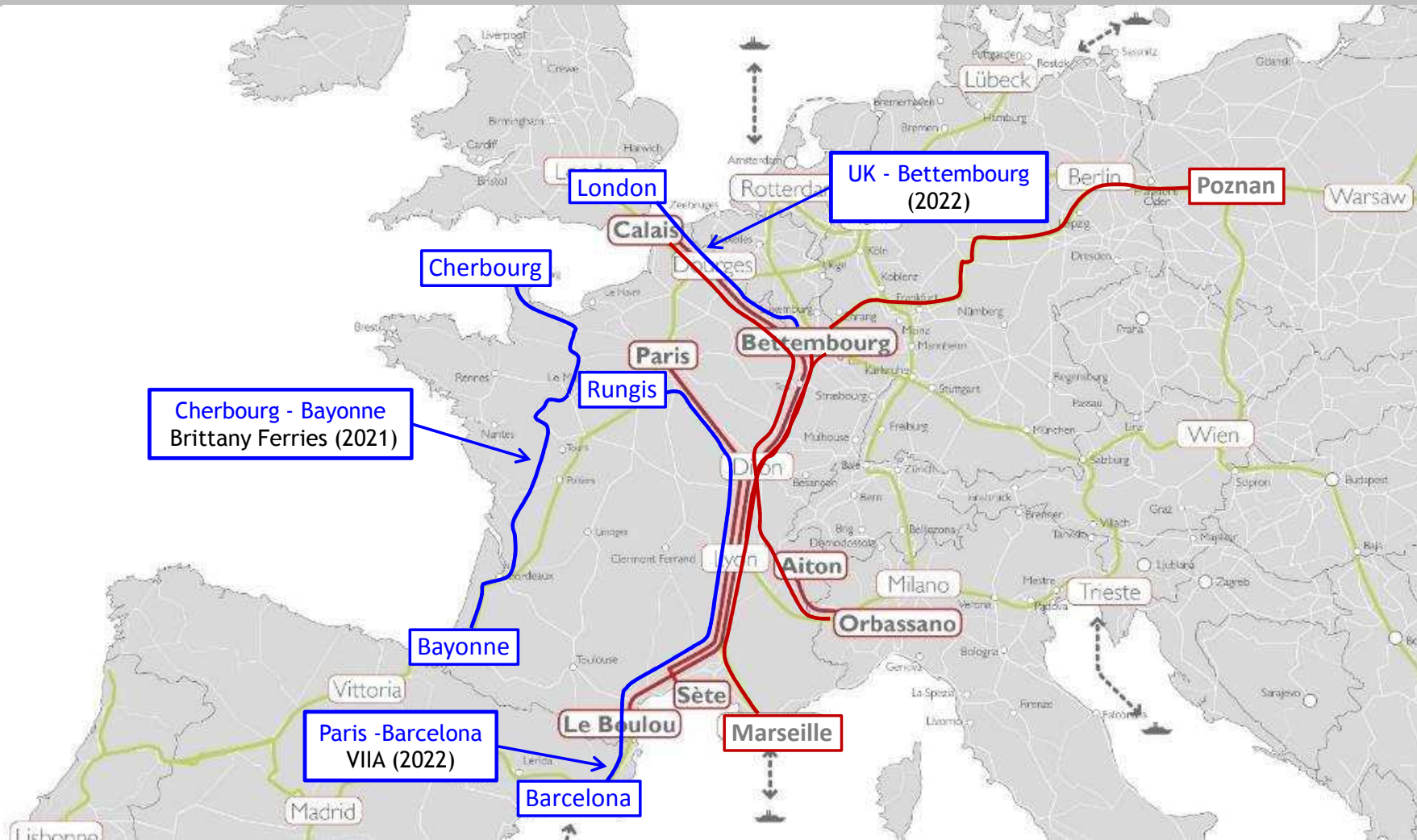
New lines already opened in 2019 first semestre



New lines opening in 2020



New lines opening in 2021 - 2022





Thank you for your attention