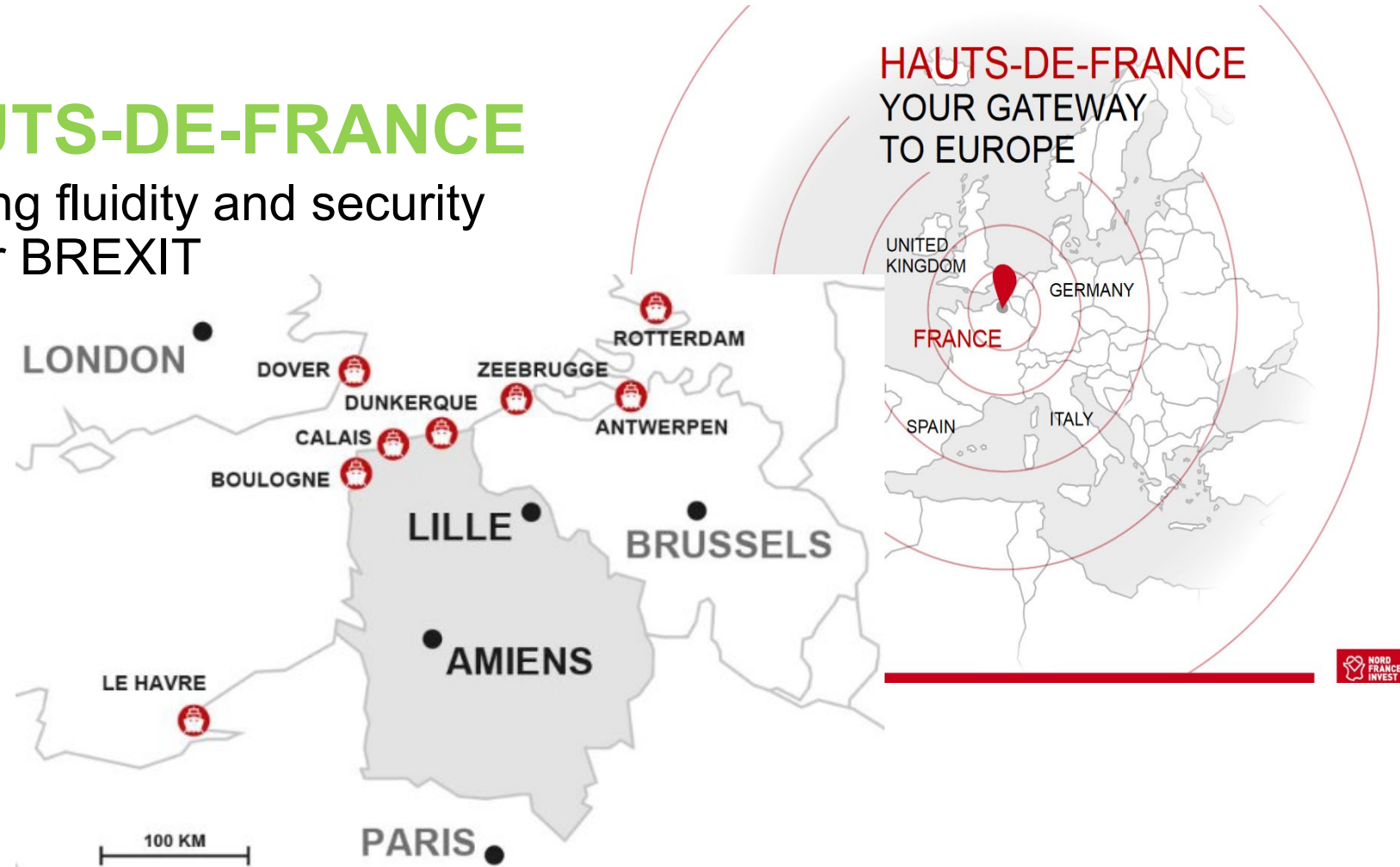


## FASTPASS IN HAUTS-DE-FRANCE

A pilot solution for enhancing fluidity and security at the maritime border after BREXIT

Contents:

- Context and challenges
- Requirements for actions
- Project overview and results



## CONTEXT AND CHALLENGES : WHY A SMART BORDER IN HDF?

### Hauts-de-France Region :

- **Strong maritime front at the heart of the Channel:** especially owner of the port of Boulogne – Calais directly connected with Dover (Kent – UK) : 10000 lorries per day / 4M lorries per year / 32M travelers per year via the ports of Calais and Dunkirk + the Eurotunnel.
- **UK decision to leave the EU** can deeply impact the regional / national / European business: UK report forecasts that 2min. more per vehicle at the border = 40km traffic jam....
- **Responsible for economic development:** strong competition with Belgium and the Netherlands with and without BREXIT.



**IN LINE WITH THE REGION BREXIT STRATEGY...  
.... it has been asked to propose smart  
solutions for a fluid AND secure border that  
matches with current and future EU standards ..**

**FASTPASS (FP7 Project) = an innovative e-gates  
concept based on an harmonized architecture**

## REQUIREMENTS FOR ACTIONS

- **Expression of interest** by our President from 2018 during conferences at the Chamber of Commerce in Calais and at the European Parliament in Brussels
- **TACTICAL process:** negotiated public proc. without competition addressed to AiT and suppliers (VERIDOS / Magnetics / Public Adress) to **experiment FastPass solution in real condition during the summer 2019** with all stakeholders / end users : FR / UK border forces, FR customs, Prefecture, Ferries and Harbors operators, Regional Council etc....)
- **STRATEGICAL process:** keep the European dynamic in mind (further potential H2020 / Europe projects, anticipating coming EU standards etc...)

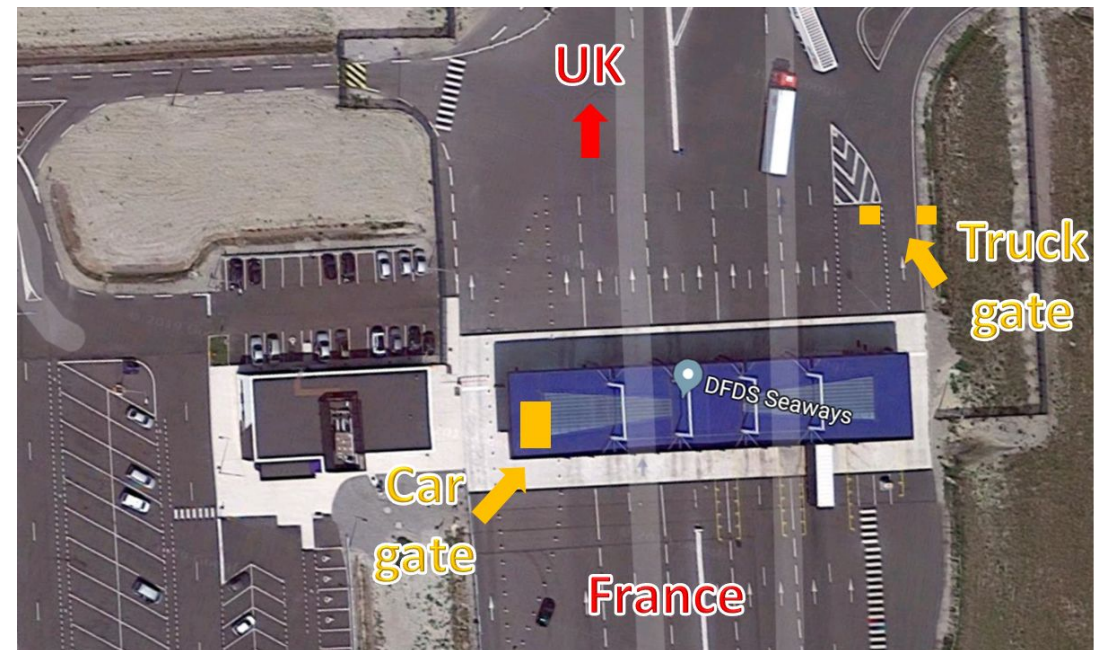


### REQUIREMENTS

**ABC solution / eGates that can perfectly fit with other innovative solutions developed by main stakeholders (e.g. French customs) and match the fluidity and security requirements of the competent authorities**

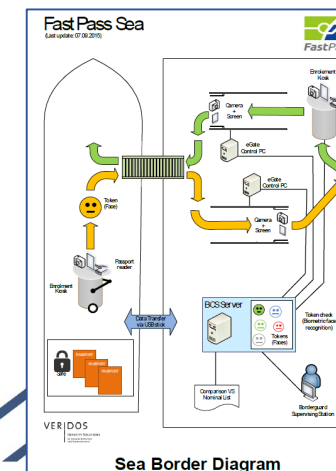
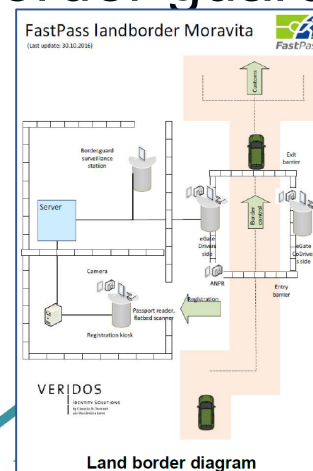
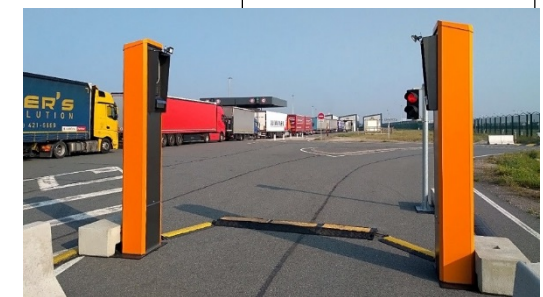
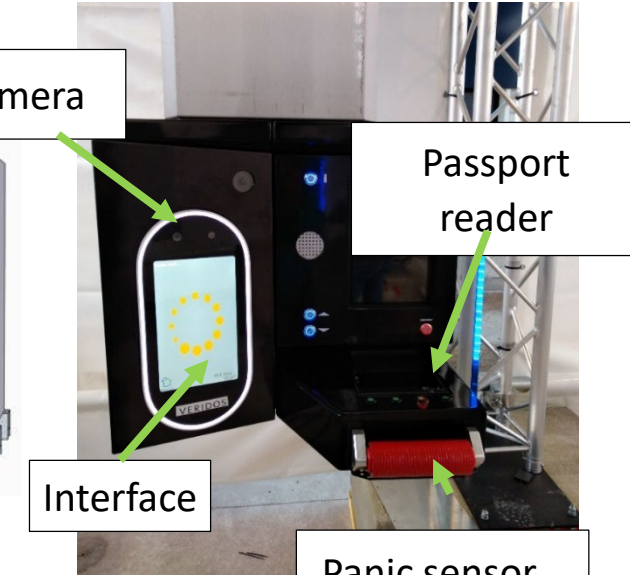
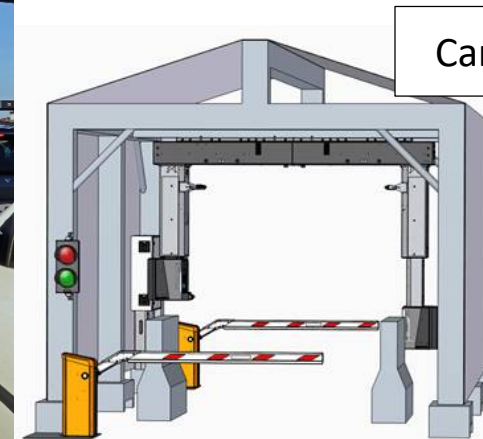
## TASKS

- Implementation of **automated border control systems (eGates)** that include a “drive trough” concept for:
  - Passenger cars
  - Lorries
- Evaluation in the target environment
- Demonstration



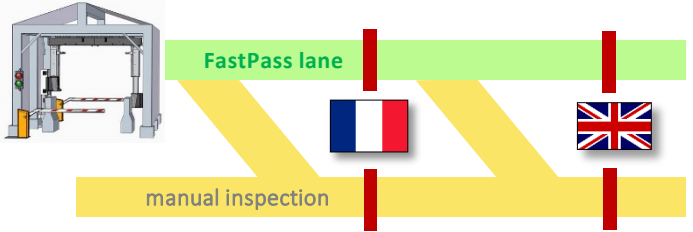


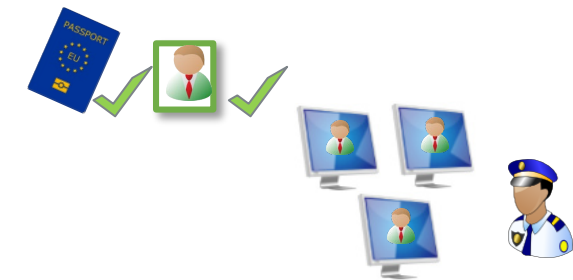
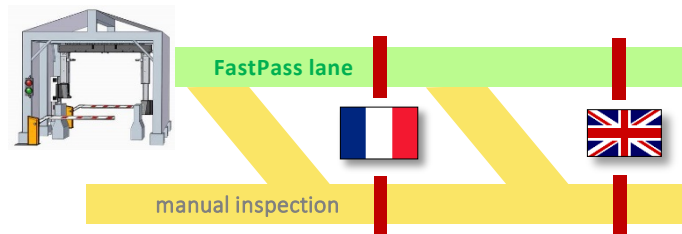
## DESIGNING A « FASTPASS LANE » FOR CARS AND LORRIES

1. Passport scanning
2. Read Chip
3. Passport verification
4. Face verification
5. Display of verification results to border guard
6. Final decision by border guard  
(simulated in our experiments)



## SUMMARY OF THE RESULTS

- average duration per car: 48 seconds 
- check of up to 4 people simultaneously **x4** 
- systematic & complete inspection for every person:
  - passport verification, chip validation,
  - biometric (face) verification, database checks
- single border guard can supervise multiple eGates
- joint control concept 





**THANKS FOR YOUR ATTENTION!**

Any questions?

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