

Data Sharing and Digital Transformation in Logistics

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Fenix and French PS General presentation

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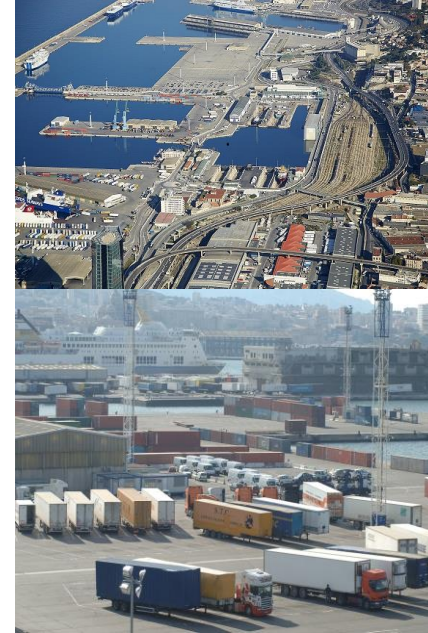


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General presentation

- 2 Ten-T corridors : Mediterranean and North Sea – Mediterranean Ten-T corridors.
- Several ports : Marseilles, Fos sur Mer and Dunkirk
- 2 test and simulation zones : UPHF (Valenciennes), Cerema (Aix-en-Provence)
- 6 use cases (Dynamic status slot verification, Slot management, Multimodal ETA for cargo optimization, Dangerous goods, CO2 reduction, C-ITS for logistics)

Deployment of intelligent Multi Modal Transport



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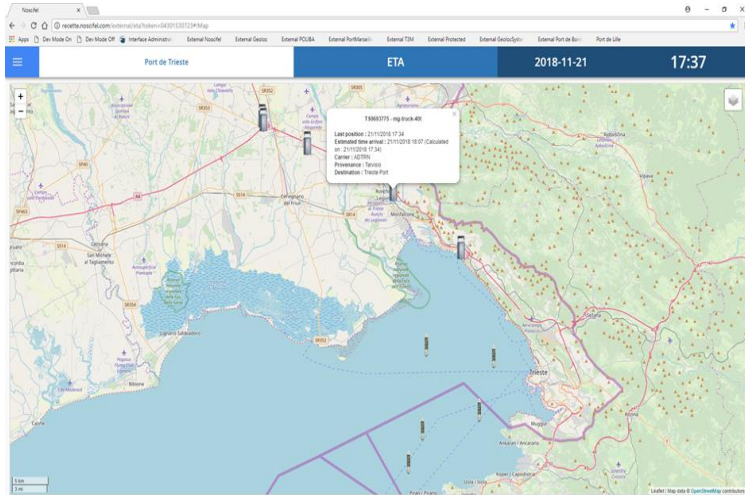
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MCTO iDashboard platform



A dashboard is available to view information about trucks, barges, trains, vessels arriving at or departing from a terminal. Information is accessible in the form of a table or a map :

- ETA and the date of calculation of the ETA,
- Registration of truck (plate number), vessel, barge and train
- Transport documents
- CO2 calculation
- Slot booking
- Terminal arrival validation

Our MCTO iDashboard uses MyAeolix and/or Fenix authentication to identify the customer and to determine what information he can visualize.

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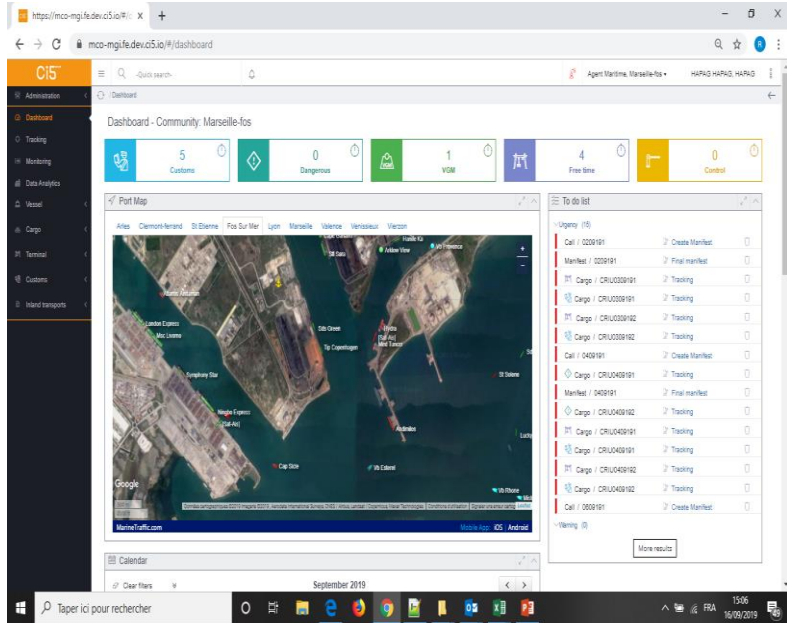


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Cargo community system CI5



CI5 Introduces the innovative, flexible and high-performance generation of new Cargo Community Systems. It goes well beyond standard CCSs and PCSs

- Covers all port, airport and hinterland logistics activities.
- Provides a service-oriented solution
- With high levels of interoperability between different systems.
- System is implemented in Marseilles, Fos, Lyon and Dunkirk

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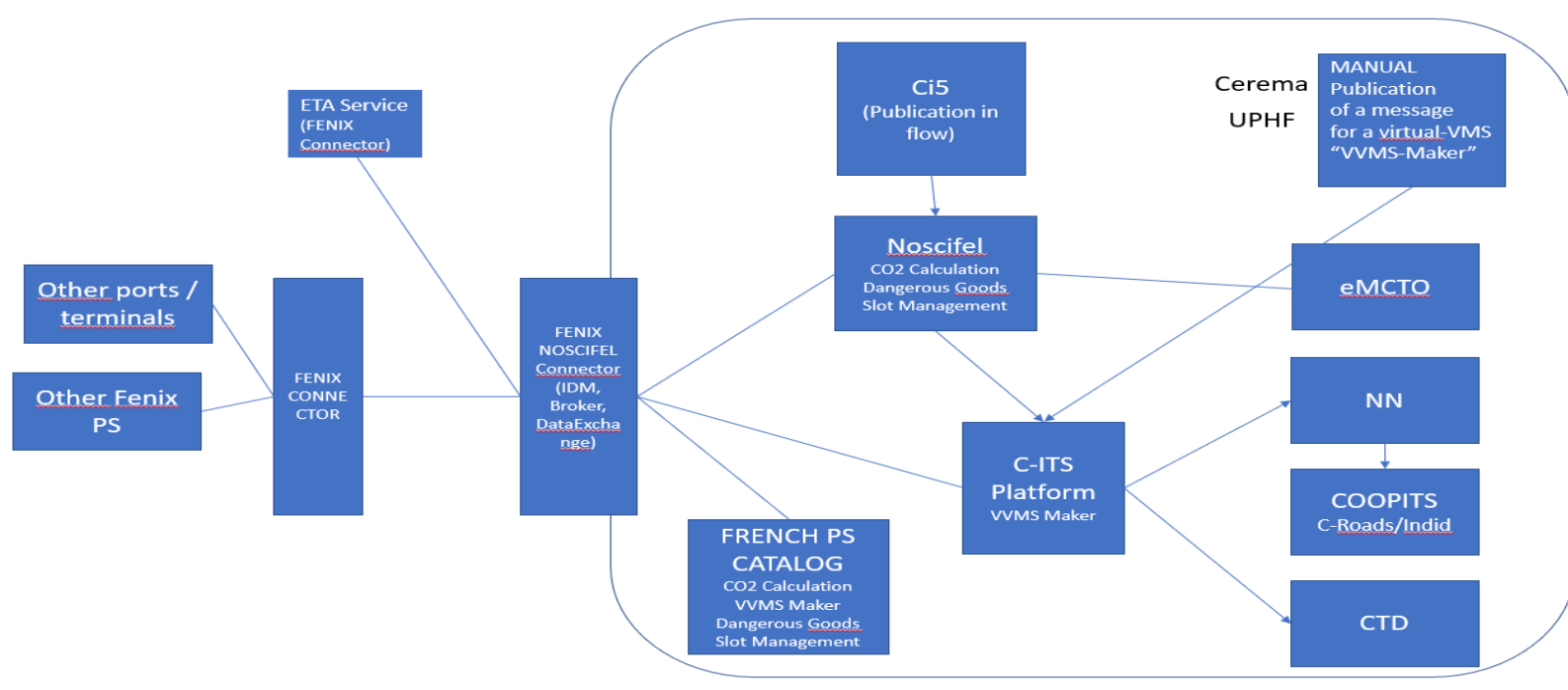
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Fenix architecture in French PS



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Focus on C-ITS use case

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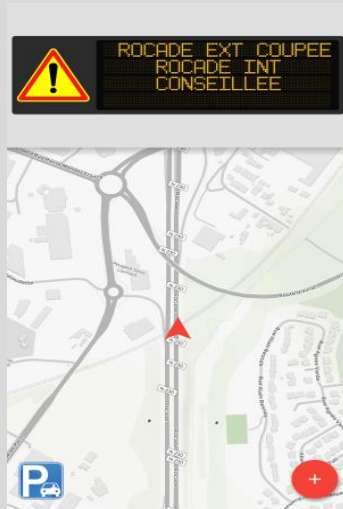
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Use case presentation

- Use case integrated in FENIX : VMS MCTO information



- Deployment of RSUs at approach of ports
- Collect real-time information on traffic and waiting time from ports through CI5
- Display this information to truck drivers
- Data exchange with National Node

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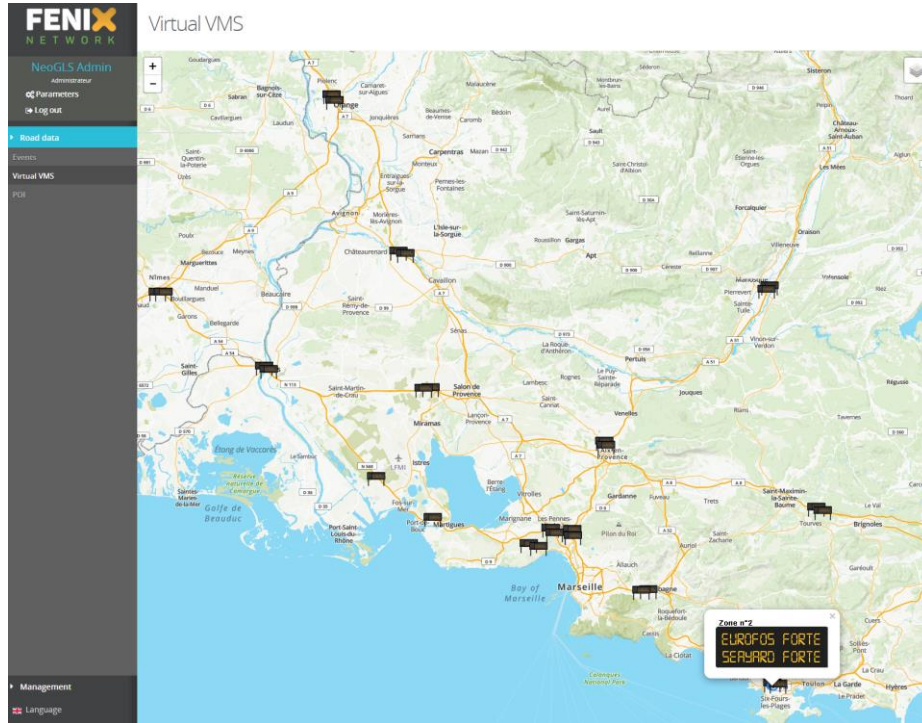


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Data sharing through Fenix



Automatic messages from CCS CI5

- 58 VMSs deployed at Marseille and Fos terminals
- Eurofos forte message example means : Activity level high

Data exchange with French National Node

- Validation on-going
- Highway and national roads physical VMSs already operational
- Ports/terminal VMSs from several areas will complete the information
- Display of information on general public android app

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Focus on Dangerous Goods use case

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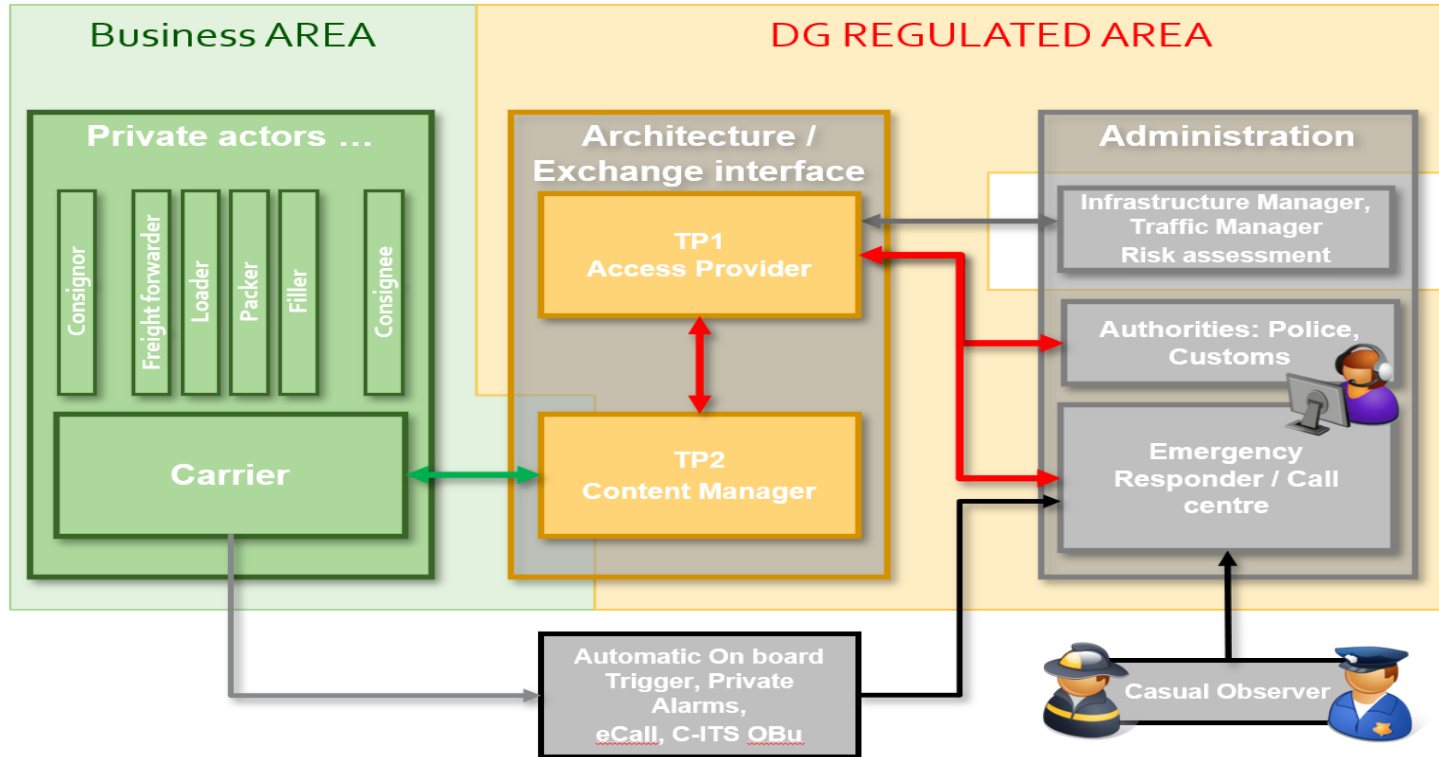
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General overview of the architecture



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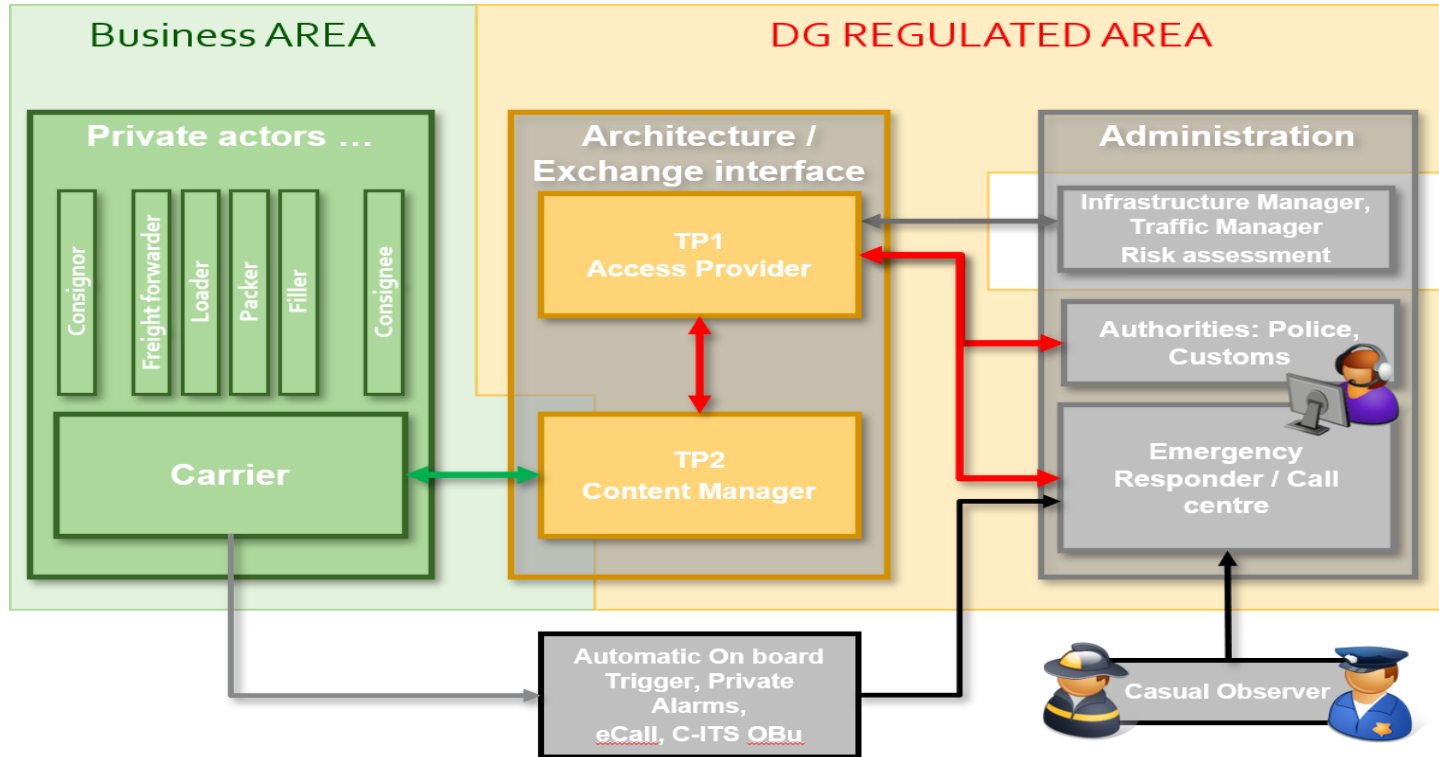


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General overview of the architecture



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The information chain : “TDG document”

1. Fill in “**CI5**” (Cargo Community system) the information on the container intended for export (Shipper, Place of loading, Place of unloading (Port), Description of the DG),
2. Transfer of data in electronic form (**XML**) from “**CI5**” to “**Noscifel**”,
3. Assignment of the driver and the transport units in “**Noscifel**”,
4. Launch of the transport from “**Noscifel**”,
5. During the transport period, the authorities have the possibility to check the TDG document and ID Vehicle,
6. After delivery, the driver terminates the transport in “**Noscifel**”,
7. Automatically, the TDG is archived and no more available for the authorities, only the ID vehicle stay on archive.

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Thank you for your attention

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