



**Port Network Authority
of the Eastern Adriatic Sea**
Port of Trieste

Canada-Italy Business Forum On Artificial Intelligence

Giuseppe Meduri Custom Corridor

CIO

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Who is Giuseppe Meduri

This project is dedicated to Giuseppe Meduri who worked with us for this innovative Italian project. Giuseppe worked for Sogei that is an in-house public company of the Italian finance ministry. Fate has taken him away from us but we keep him close to us.

Behind innovation are always people



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International Free Port



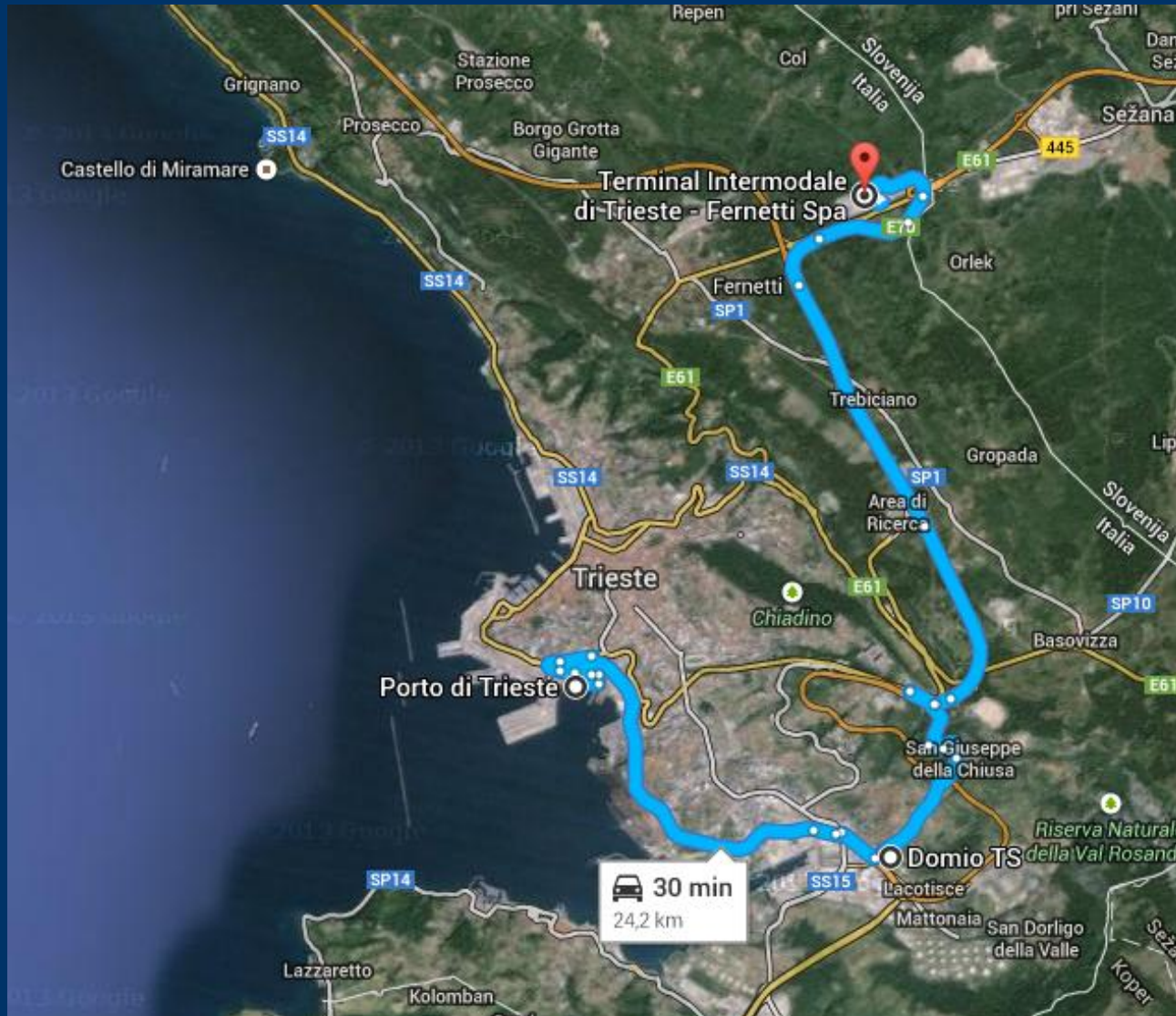
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- 24 kilometers
- Over 2.000 trucks per day
- Security control
- Custom control
- Road international authorization control
- ...and more



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Queue





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Result? Congestion





Actors involved

- **Port Network Authority of the Eastern Adriatic Sea – Port of Trieste**
- **Trieste dry port in Ferneti**
- **ANAS – Highway Manager who connect the two logistical areas**
- **Site - realize V-Suite to manage infrastructure (OCR and hardware solutions)**



The project – Preparatory activities

- **Trucks pre-arrival notice activation (dec 2020)**
- **Buffer area management (started from 2017) with terminal authorization**
- **27 kilometer optical fiber under preparation to connect ocr portals**



The project – connect Inland terminal and port (1)

- **Two gates to connect**
- **Port Community System (Sinfomar) sends data to custom system**
- **Trucks moves under three OCR portals**
- **The portals anonymously measures total number of vehicles passed to calculate time in between and measure it with truck time (T1, T2, T3)**
- **The portals also relieves meteo conditions for better analyse time of the trip (Trieste strong wind named Bora or rain or...) (value inside Tn) (WCP)**
- **The portals reads the plate trucks and register time (TP1,TP2,TP3)**
- **Queue measurement near port gate (PGQ)**



A simple formula

$$TT = (T1+T2+T3) + WCP + PGQ$$
$$T1 = (TP1+TP2+TP3) + WCP + PGQ$$

$$T1 \leq TT \text{ (done!)}$$



Truck gate approach

- **Custom System received TT and T1**
- **Port Community System decide if time is compliant**
- **Customs System communicate green light (embarkation) or red light (go to customs control) based from information received at the start of the truck trip**



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Thank you