

REFERENCE SHEET



CASE  
STUDY

# Port of Marseilles

1st French Port (Annual tonnage)

5<sup>th</sup> European Port

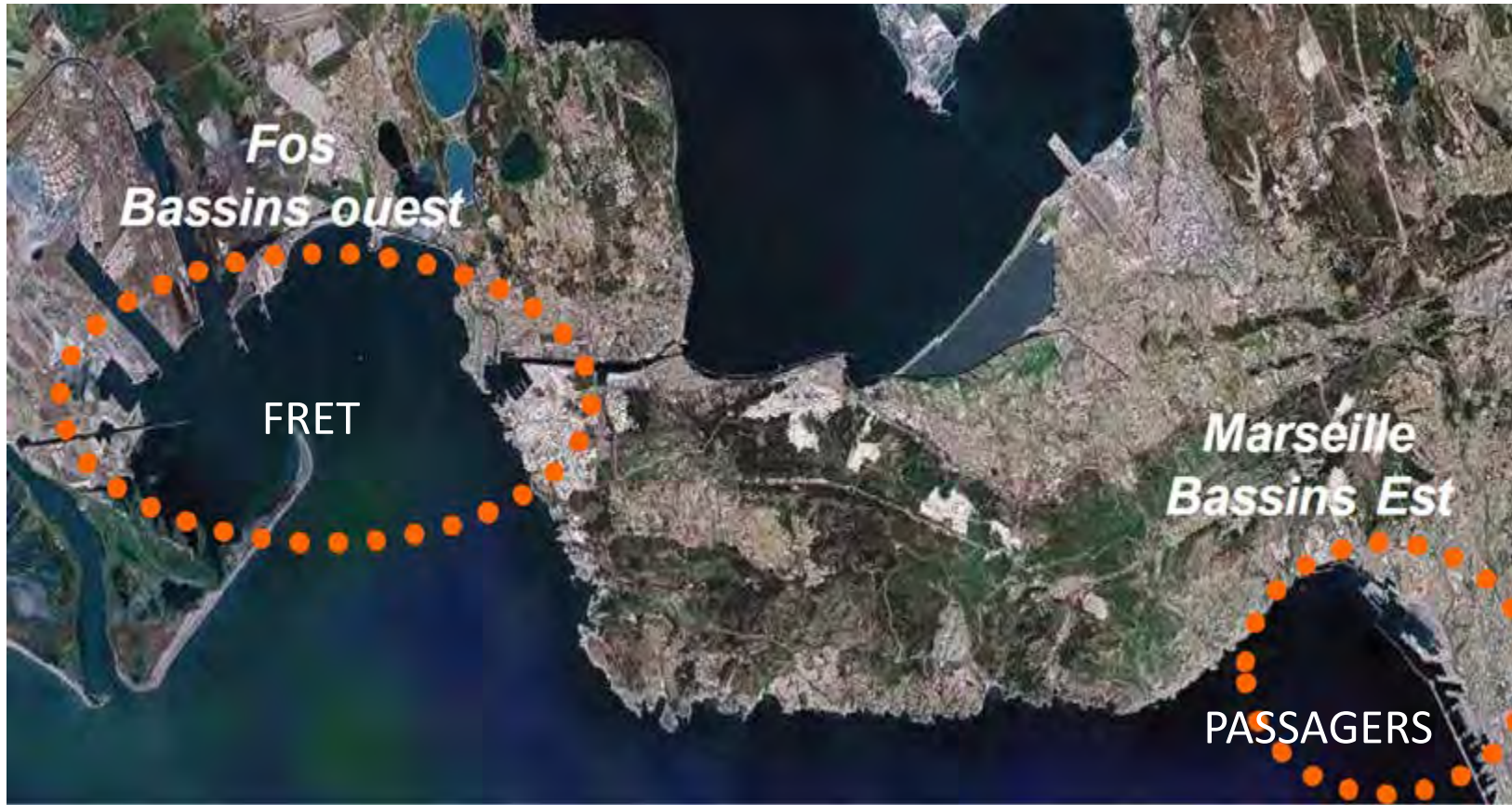
3<sup>rd</sup> World Oil Port

10 000 Hectares to secure...



# Port of Marseilles

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# Port of Marseilles

PASSENGERS

FREIGHT



REFERENCE SHEET



# Port of Marseilles

## Port security goals

- Prevent criminal activity: intrusions, deterioration, theft, aggressions
- Prevent terrorism: planting of explosive devices, attacks
- Prevent illicit merchandise (drugs) or people flows (clandestine immigration)
- Optimally manage human risks: fire detection and control, access to hazardous areas (chemicals storage areas...)



# Port of Marseilles

## Background and specific issues

- Secure large surfaces and volumes
  - The site extends for 70 km and 2 different basins.
  - Surface area : +10 000 Hectares.
  - Annual freight traffic : 1 millions containers, 70 millions bulk cargo.
  
- Identify and control a large population
  - 20 000 badges distributed
  - A large number of external stakeholders
  - Annual passenger traffic: 2 millions people
  
- Respect the ISPS international standard (International Ship & Port Facility Security)
  - Port security plans, alarm procedures...



# Port of Marseilles

## Site monitorization

- The system in figures:
  - 400 access control readers
  - 20 000 user badges
  - 10 000 intrusion points
  - 500 cameras
  
  - 7 MICRO-SESAME servers
  - 1 Security interface dedicated to alarms and access control
  - 1 BMS interface dedicated to the remote control of passenger terminal operations
  - 1 gateway to the badge management database (staff and external contractors)
  
- The safety team :
  - 68 agents (operations + administration)
  - 51 staff from private security companies





# Port of Marseilles

## Flow management:

- Vehicle access using badge or car plate detection.
- Display reader terminals for lightweight / heavyweight vehicles (different heights)
- Centralized visitor management for lightweight/heavyweight vehicles. Current project for registering users via a web interface (Also for Port of Bordeaux)
- Distant gate opening via interphone calls





# Port of Marseilles

## Sensitive area management:

- Management of areas with anti pass-back feature
- Vandal proof external readers
- Monitoring of 10 000 alarm and fire detection points
- Interfacing with the G-FENCE (SORHEA) shock detection barriers
- Current project for integrating mobile readers for on-site control  
(Also for Port of Bordeaux)







# Port of Marseilles

## Maritime terminal management

- Dedicated supervisor to remote control passenger terminal operations.
- During the arrival of a ship or before boarding, the station officer may authorize automated operations such as:
  - Access to the terminal
  - Stopping the intrusion detection
  - Opening of public gates
  - Lighting control
  - Heating / air-conditioning
  - Power supply control





# Port of Marseilles

## On-site control assistance:

- Centralized monitoring of video recorders
  - 500 cameras
  - 1st level alarm checks
  - Agent remote assistance
  - Event investigations
  
- Possibility to add notes in real time

