

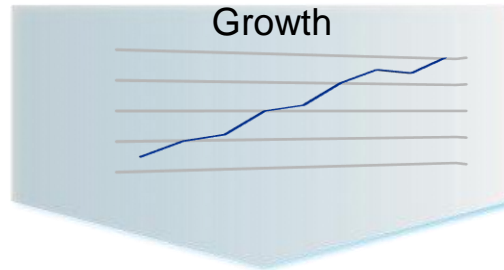
EURO MED TELCO FORUM 2016

smartPORT Valencia Challenges, Solutions and Visions

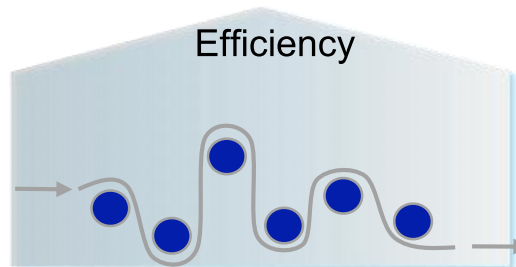
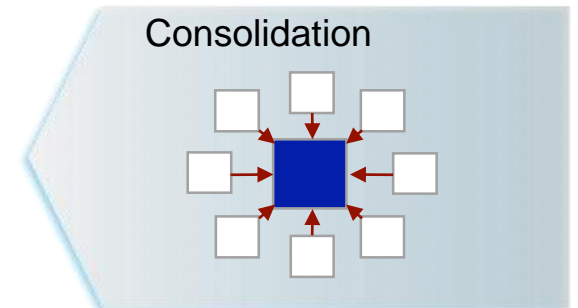


*Jose Garcia de la Guia
IT Manager
Port Authority of Valencia*

Challenges for Ports



Challenges for Ports



Challenges for ports



Growth

International commerce grows twice as fast as the GDP. Globalization needs maritime transport



Security

Container Security is now a legal and commercial must for Maritime Transport. But players don't want to pay for it.

Challenges for Ports

Consolidation

Less Sea carriers doing much more business. Bigger vessels calling less Ports.



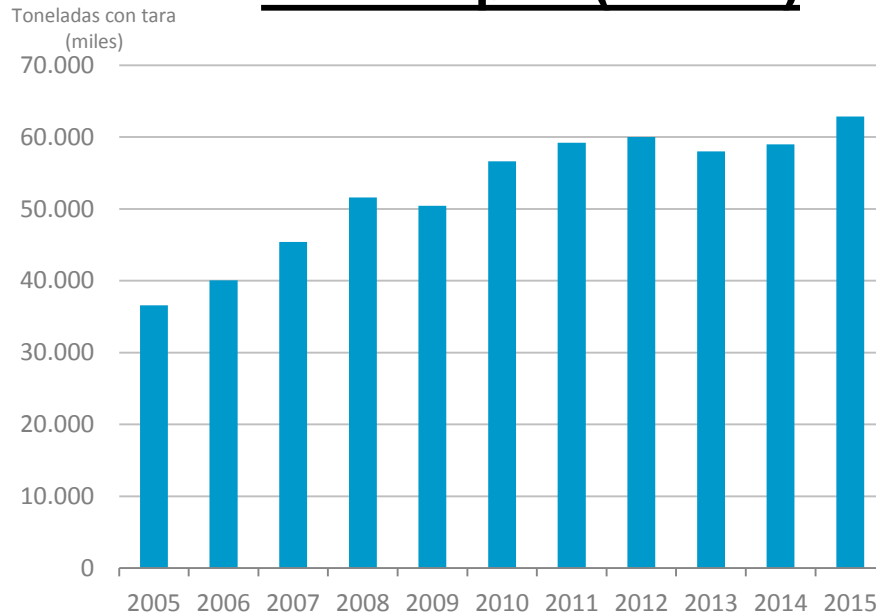
Efficiency

Modern logistic chains are requiring high level of efficiency in each and every step. Port are no more isolated players.

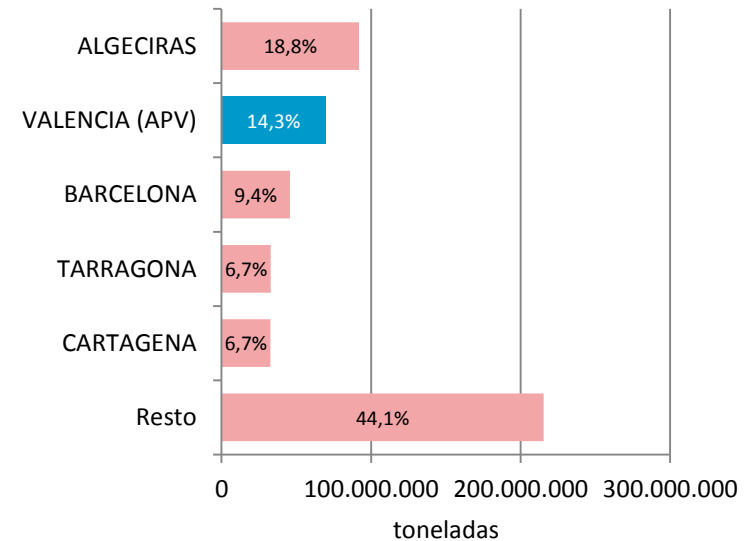


What is Valenciaport?

Valenciaport (mTons)

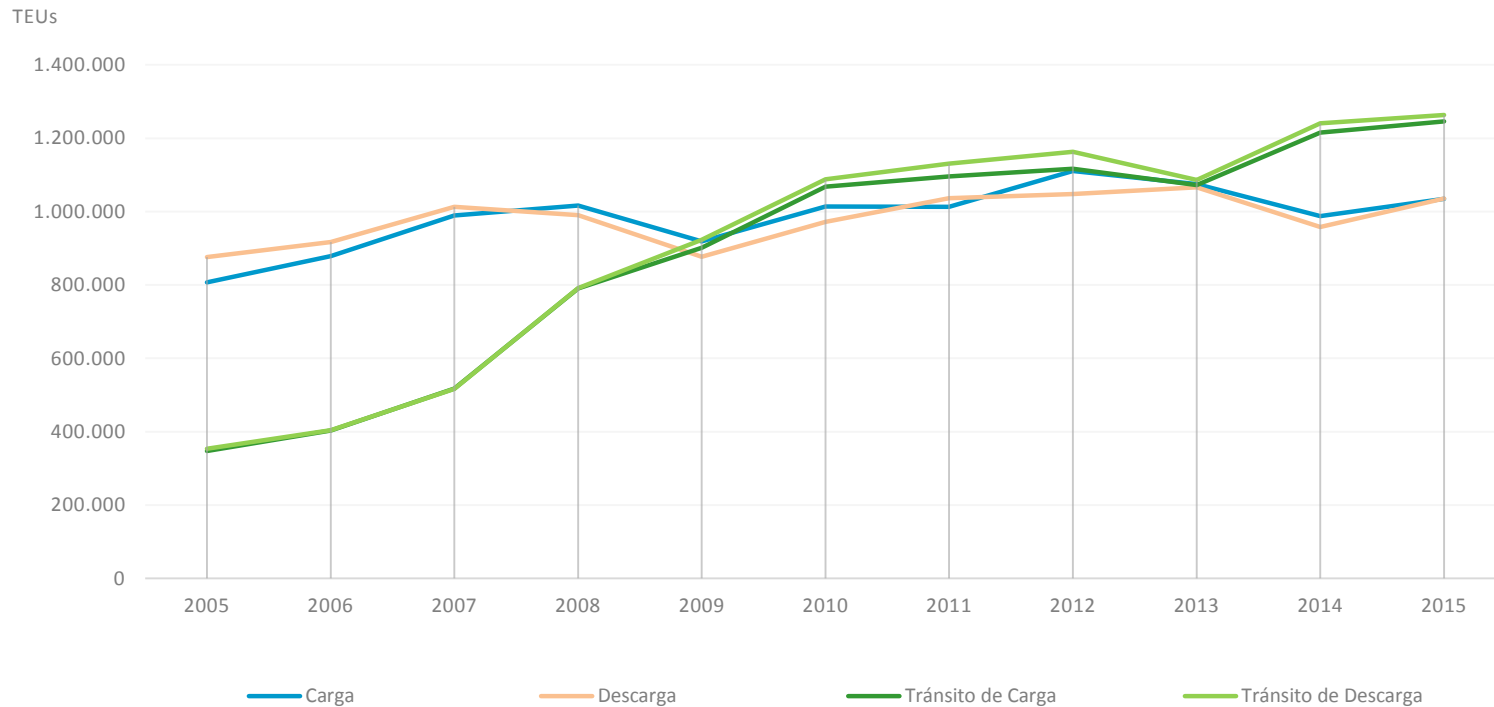


Spain ranking per Tons 2015



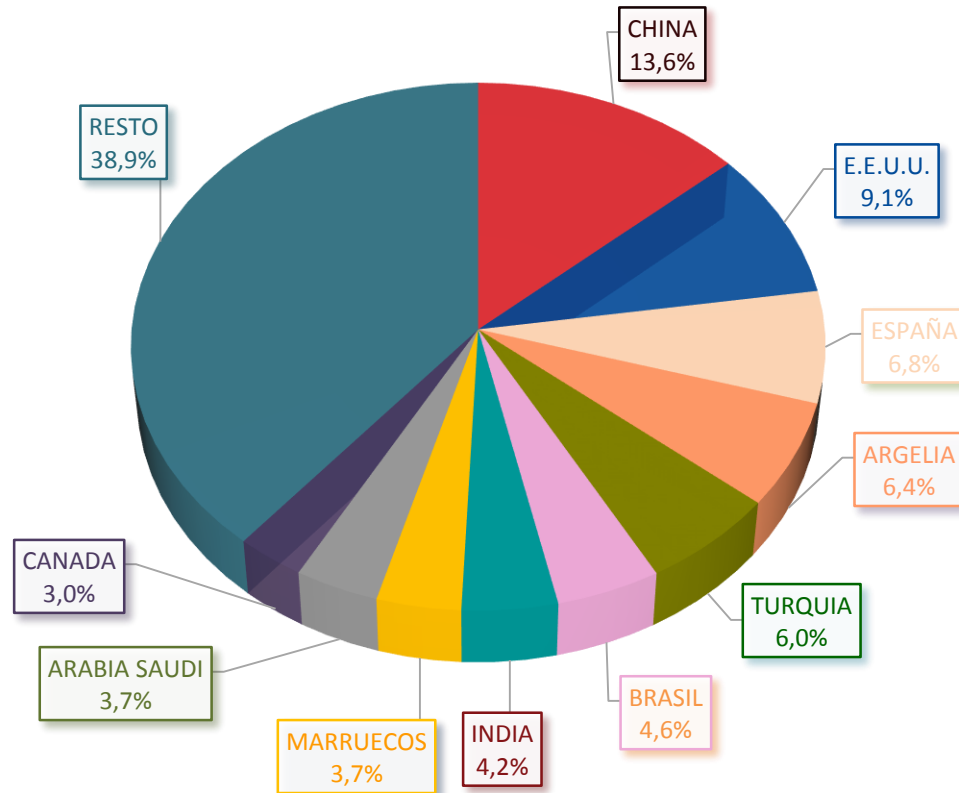
What is Valenciaport?

Container traffic (TEUs) in Valenciaport



What is Valenciaport?

Container traffic per country 2015



What are we talking about?

- The SMARTXXXX (city, port ...anything) is related to „Information Management Automatization“
- First:
 - What do we want to **Smartize**?
 - Who is going to be the **User**?
 - Which **kind of information** shall we offer, analyse, transform, present...?



... that can be accessed through different networks...

Networks (Internet, Wi-fi, GSM (2G, 3G, 4G), LANs, Wi-Max...)

Sensors (IoT)

Terminals' TOSs

PMS

PCS

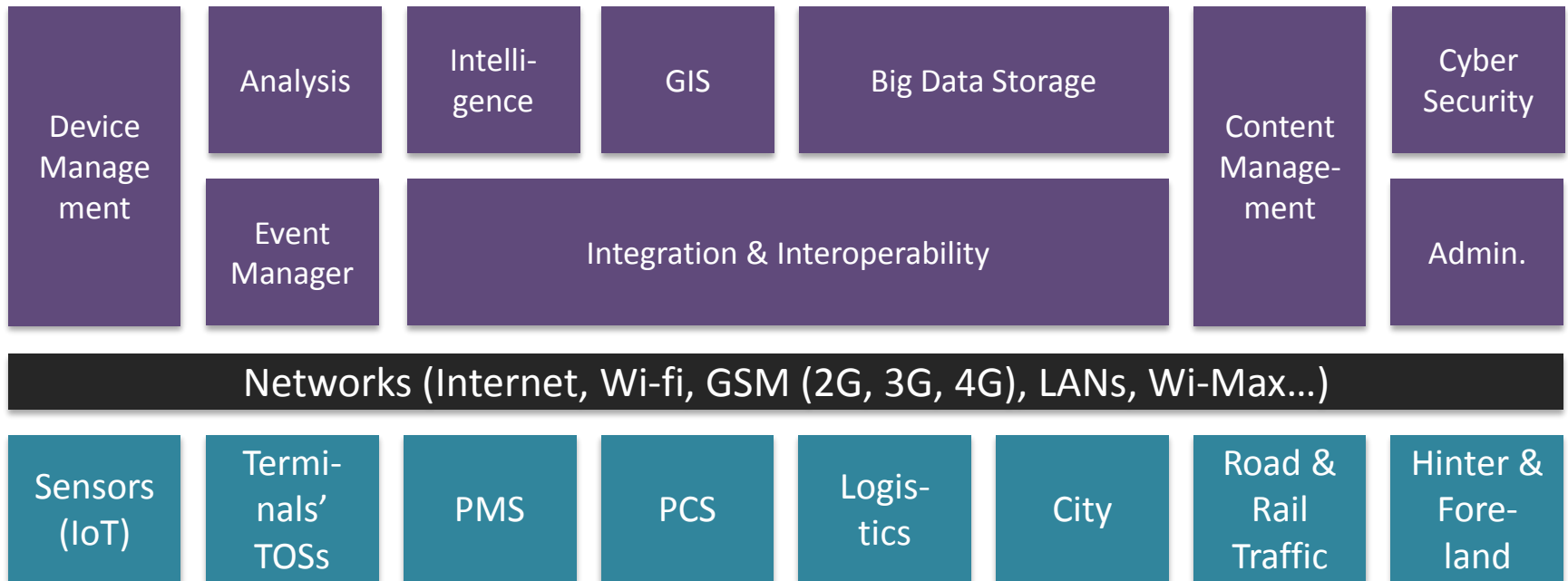
Logistics

City

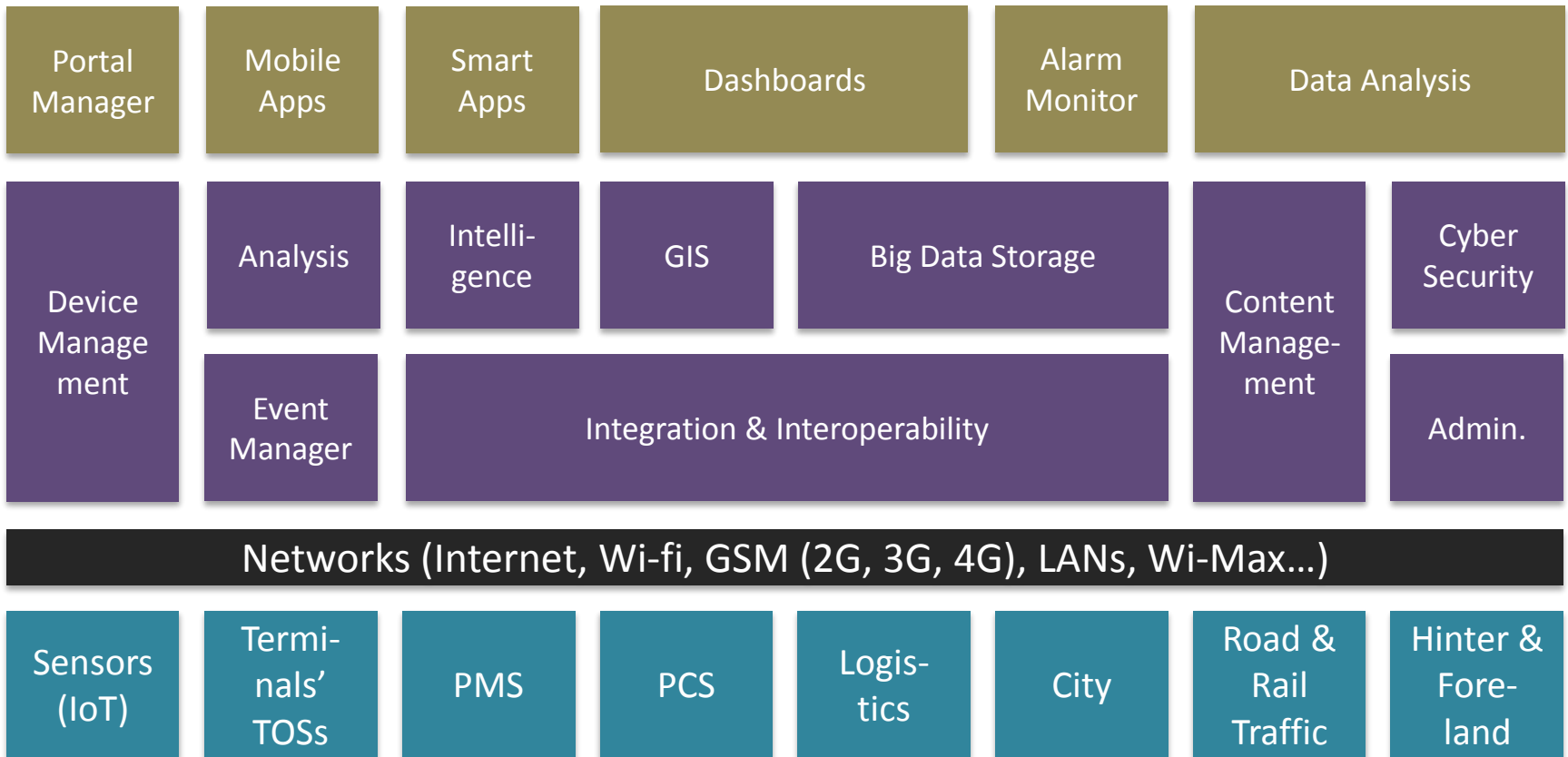
Road & Rail Traffic

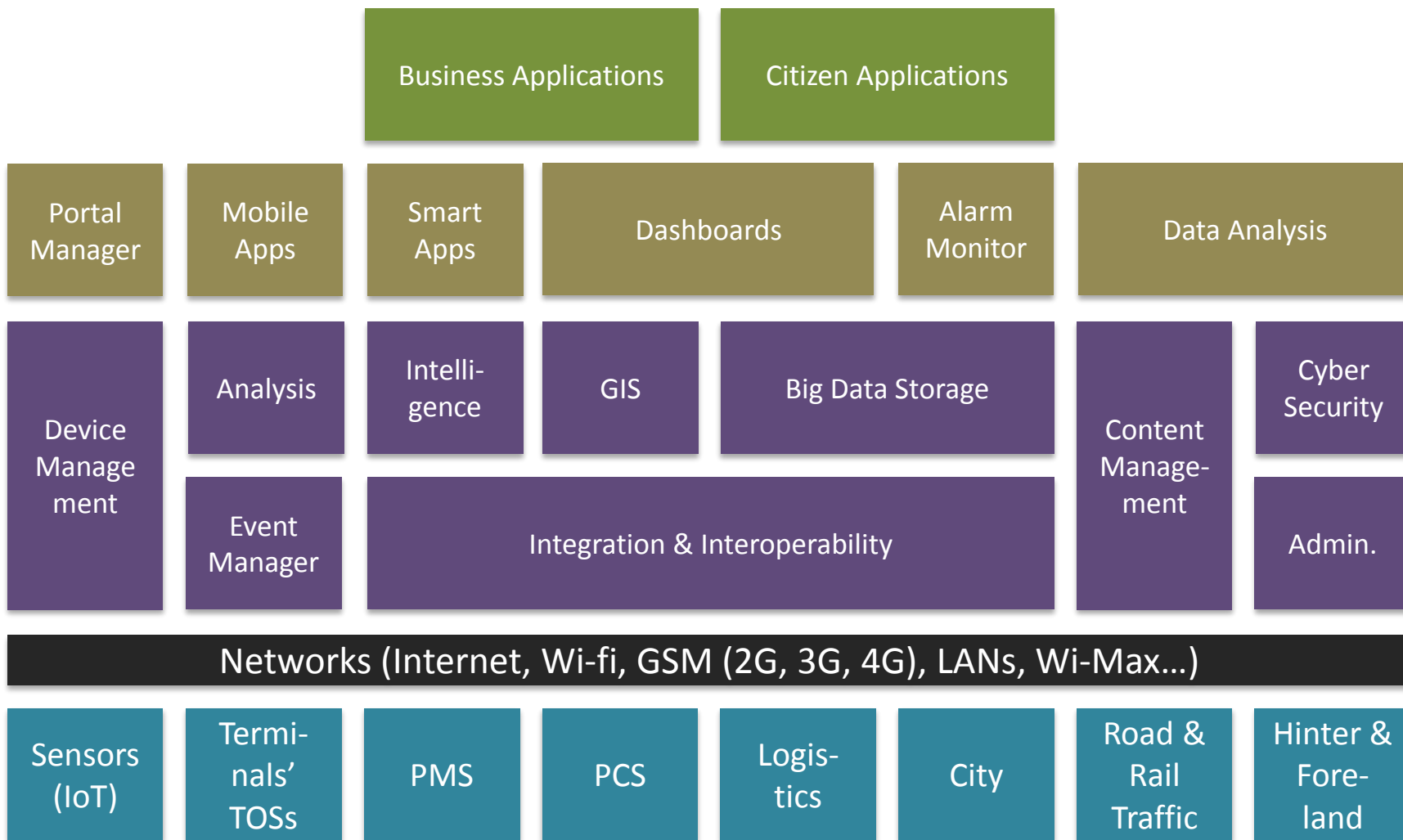
Hinter & Foreland

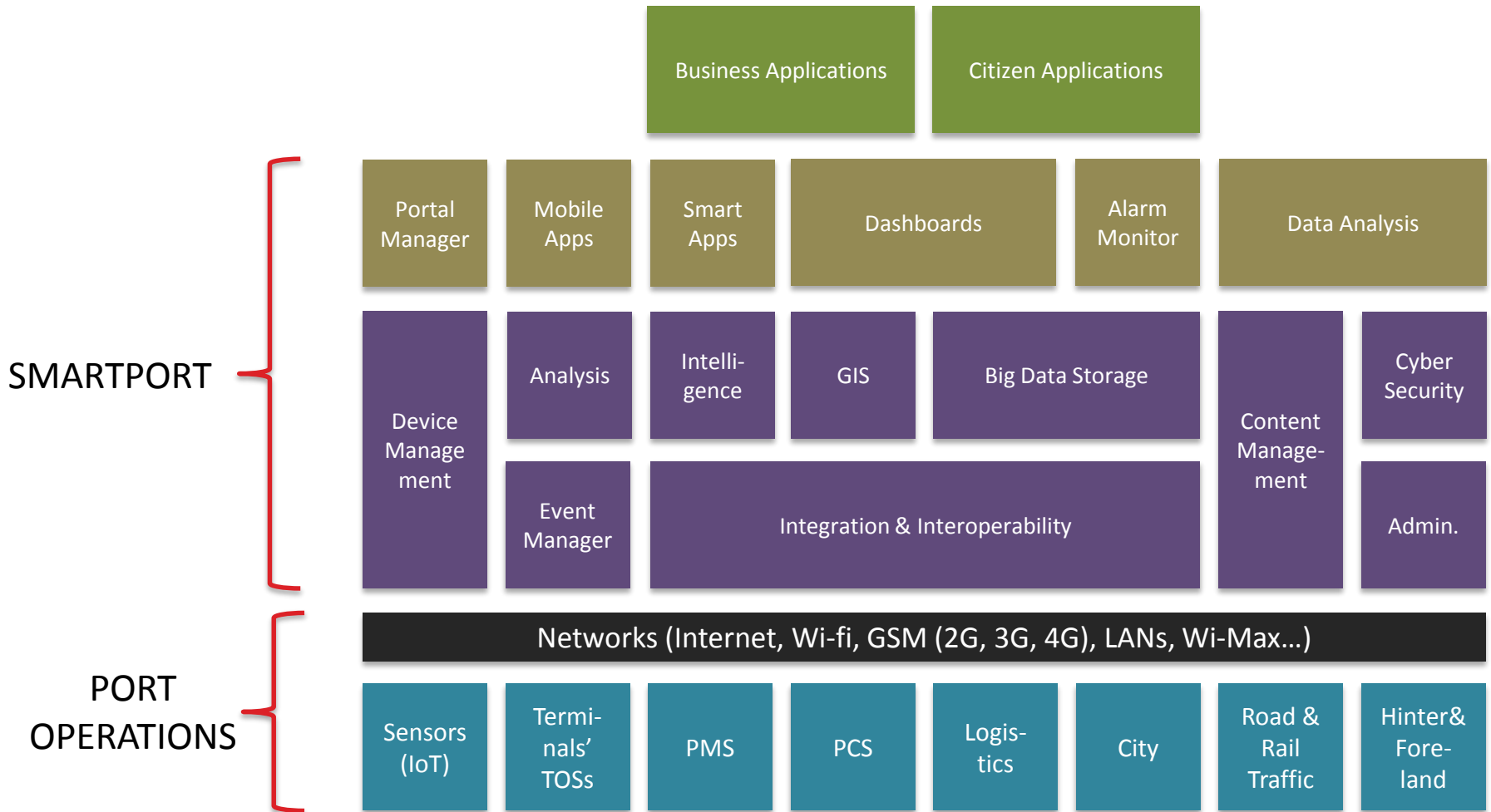
... we need SW intelligence in order to process all these heterogeneous pieces of information...



... and actual tools to present this info to Users: Which info? ...







Valenciaport's approach

- How is Valenciaport facing the SMARTPORT initiative: Two directions approach:
 - Top to bottom: define what si to be shown:
 - KPIs for the dashboards
 - Statistics
 - Virtual operating centre
 - Bottom to Top:
 - Developing the sensorization of the Port. So Port Authority as Terminal Operators and Transport Operators
 - Making available all the other pieces of information

Valenciaport's approach

- Some questions still to discuss in Valenciaport:
 - Investment vs service
 - Are we going to invest on a SMARTPORT platform?
 - Are we going to use an already existing one?
 - Re-use of SMARTCITY existing platforms?
 - SMAC strategy:
 - Socialnetworks
 - Multimedia
 - Analytics
 - Cloud

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