

# Port of Barcelona

## Barcelona: New terminals, new strategies



Port de Barcelona

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April 2016

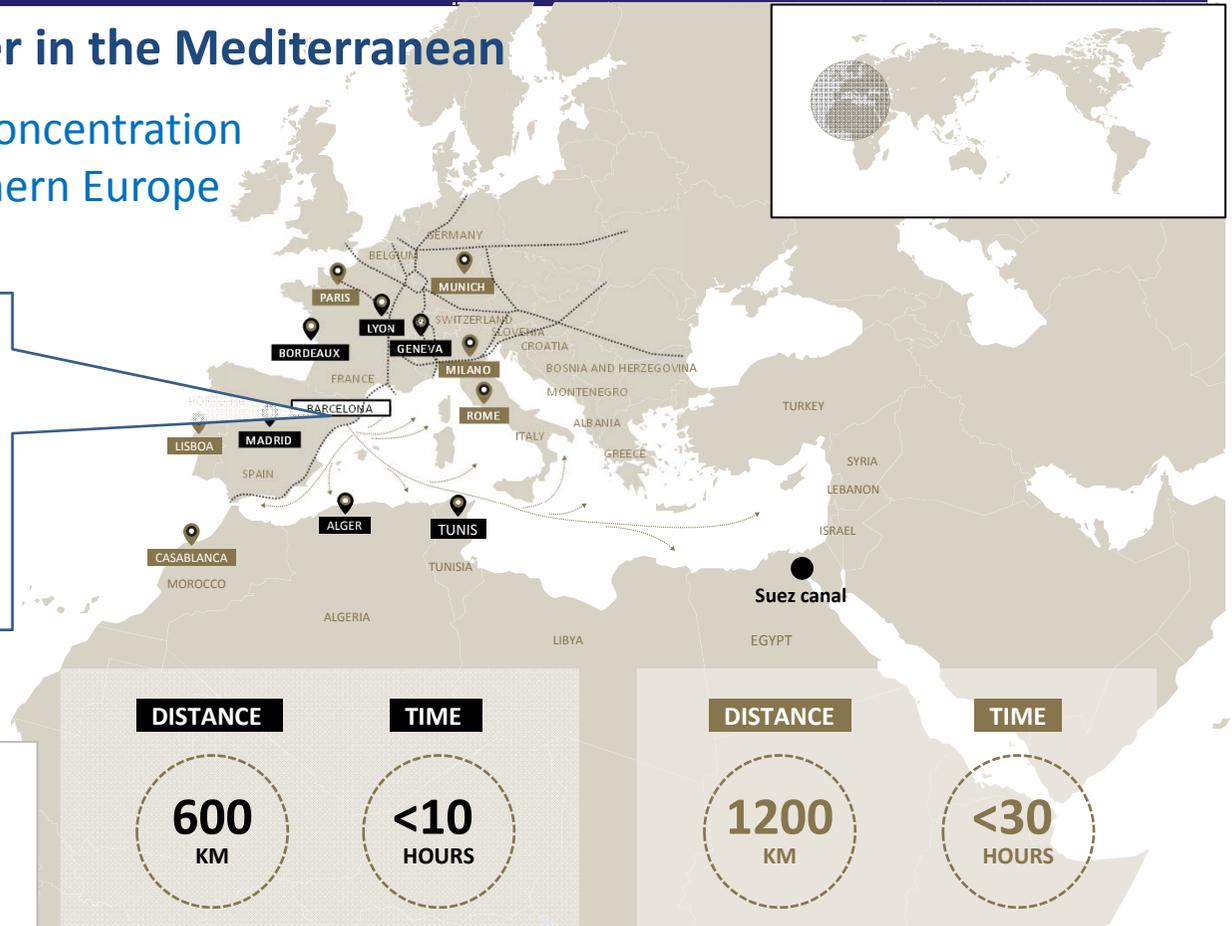


1. **Barcelona: logistics center in the Mediterranean**
2. The Port of Barcelona and its strategy
3. Enlargement
4. Connectivity
5. Traffic Port of Barcelona – Morocco
6. Client OrientedThe Port of Barcelona



## 1. Barcelona: logistics center in the Mediterranean

Biggest industrial and logistics concentration in the Mediterranean and Southern Europe



### Barcelona

- In the main industrial, consumer and logistics area in the MED.
- Many multinational companies have understood the enormous possibilities of the MED and Barcelona and invested here to distribute to Spain, Portugal, France and the rest of the MED

Madrid (SPAIN)

Bordeaux (FRANCE)

Lyon (FRANCE)

Geneva (SWITZERLAND)

Alger (ALGERIA)

Tunis (TUNISIA)

Lisboa (PORTUGAL)

Paris (FRANCE)

Munich (GERMANY)

Milano (ITALY)

Rome (ITALY)

Casablanca (MOROCCO)



## 1. Barcelona: logistics center in the Mediterranean Industry and consumption concentration

### BARCELONA REGION

1,5% Spanish area and 10% Spanish population, account for:

**20 %** Spanish GDP and Industry

**26%** Spanish exports flows

**28%** Spanish imports flows

**30%** Spanish exporting companies

**25%** Spanish tourists



### Global clusters

Automotive, chemical, pharmacy, fashion....



3rd city in the world for the organisation of international meetings and conferences

Headquarters of Global Companies: SEAT, MANGO, Desigual...

2 Business schools among the 10 best in Europe and in the top 25 worldwide

**Industrial specialization, sectorial clusters & powerful partnership opportunities**



# 1. Barcelona: logistics center in the Mediterranean

## MERCABARNA:



### The main distribution center for fresh and frozen foods southern Europe

Of the 700 companies located in Mercabarna, **more than 250 are located in the central markets** and engaged in wholesale trade.

#### Central Fruit and Vegetables market:



Opening: 1971  
Surface: 170.000 m2  
Companies: 160  
Commercialization: About 1'2 million tn/year

#### Central Fish Market



Opening: 1983  
Surface: 24.000 m2  
Companies: 52  
Commercialization: 80.000 tn/year

#### Mercabarna-Flowers

Opening: 2008  
Surface: 44.000 m2  
Companies: 45  
Commercialization: 14 millions units





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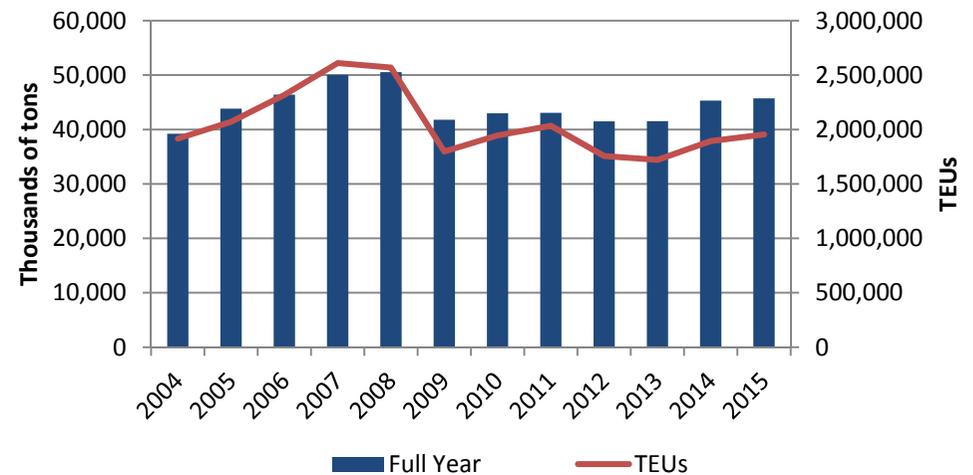
## 2. The Port of Barcelona and its strategy

A unique port due to its specialisation in different traffics

### Traffic 2015

Total traffic	45,7 M Tm
Container	2 M TEU
Vehicles	881.893 Units
Ro-Ro traffic	360.995 ITUs
Passengers	3,7 M Pax

Total traffic in the Port of Barcelona 2004-2015  
(Thousands of tons)



Over 30% of cargo is to/from Mediterranean

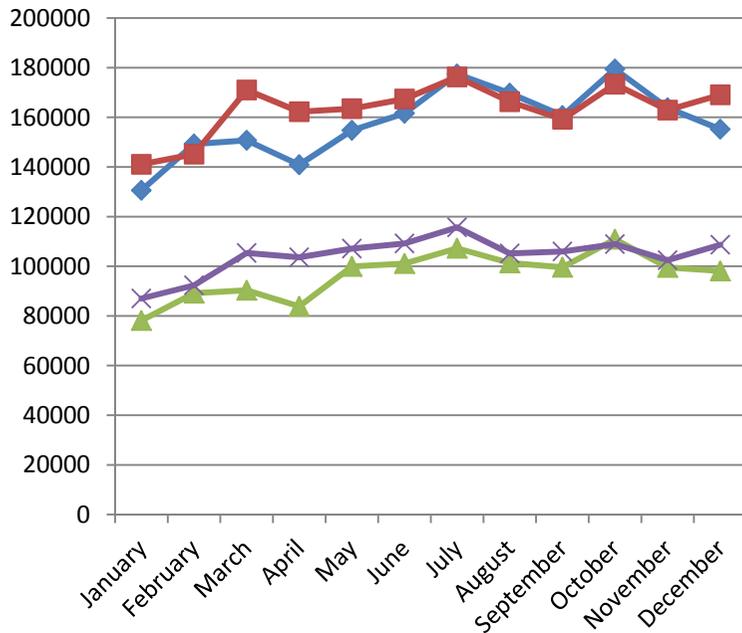
→ A highly specialised port





## 2. The Port of Barcelona and its strategy

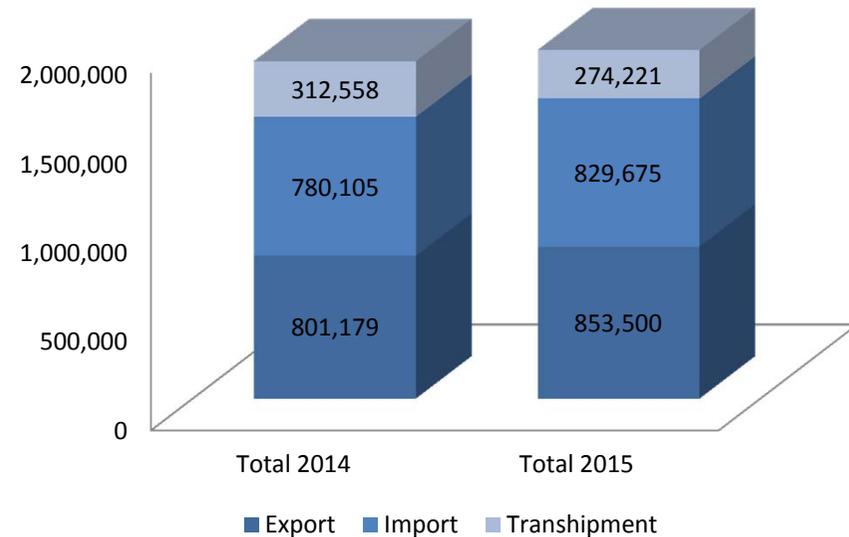
### Port of Barcelona statistics. TEU traffic



**Total traffic 2015: 1,9 M Teu**  
**3.36% increase vs. 2014**

◆ Total TEU 2014		
■ Total TEU 2015		
▲ Full TEU without T/S 2014	1,159,149	7.95%
✕ Full TEU without T/S 2015	1,251,343	

	Total 2014	Total 2015	Variation (%)
Export	801,179	853,500	6.53%
Import	780,105	829,675	6.35%
Transshipment	312,558	274,221	-12.27%
<b>Total Traffic</b>	<b>1,893,842</b>	<b>1,957,396</b>	<b>3.36%</b>





## 2. The Port of Barcelona and its strategy

A diversified port: traffic distribution areas



Port de Barcelona: Offering solutions for all



## 2. The Port of Barcelona and its strategy

Strategy in three pillars

Enlargement  
of the Port and  
Logistics areas



Improved  
connectivity with  
hinterland and  
foreland



Client-oriented:  
competitiveness,  
quality, proactivity,  
efficiency





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## 3. Enlargement

TCB: Growing operational capabilities

TCB terminal	
Capacity	2.3 M TEU
Area	80,4 ha
Berthing line	1.515 ml
Draught	16 m
Quay cranes	13
Reach Staker	3
Fork lift	10
Straddle carrier	62
Reefer plugs	486

Railway terminal
6 Rail tracks (750mts each) (Mixed gauge UIC-Iberian) 3 RMG



1. Crane height of 3 Super Post Panamax will be increased from 41 to 47m
2. Online berthing windows booking system, avoiding vessel berthing delays
3. Visual container inspection system (OCR), vessel to terminal and terminal to truck EIR, avoiding and reducing cargo and container claims to a minimum.
4. Receiving & Delivery daily average 2,500 truck moves.



### 3. Enlargement

BEST: First semi-automated terminal in the Mediterranean

BEST 2015	
Capacity	2.5 M TEU
Area	85 ha
Berthing line	1.500 ml
Draught	16 m
Quay cranes	11
Blocks	27
ASC	54
Shuttle carriers	30
RMG	2
Reefer plugs	1700*

Railway terminal	
8 Rail tracks (750mts each) Total rail tracks of 21Km (Mixed gauge UIC-Iberian) 2 RMG	

BEST End of Works phase 1	
Capacity	2.6 M TEU
Area	100 ha
Berthing line	1.500 ml
Draught	16 m

- Horizontal movements with non-automated Shuttle carrier
- Automated operations with ASC in the stockage area
- Land side operations with remote control





### 3. Enlargement

#### SSS Terminals

**Terminal Port Nou:**  
Balearia  
Cotunav



- Berthing line: 556 m
- Surface: 4,9 Ha
- Max. draft: 16 m

**Terminal GRIMALDI:**  
Grimaldi  
Grandi Navi Veloci



- Berthing line : 420 m
- Surface : 6,2 Ha
- Max. draft: 11,20 m
- RO-RO ramps : 6

**Terminal Ferry Barcelona:**  
Trasmediterranea  
Suardiaz



- Berthing line : 1.276 m
- Surface : 12 Ha
- Max. draft: 11,20 m
- RO-RO ramps : 4

**Terminal Drassanes:**  
Balearia



- Berthing line : 350 m
- Surface : 4,4 Ha
- Max. draft: 7,3 m
- RO-RO ramps : 2





### 3. Enlargement

#### ZAL



*Important logistics international & national operators choose ZAL Barcelona as logistics hub and distribution center for the South of Europe and North of Africa*



	ZAL BCN	ZAL PRAT	ZAL
Surface (Ha)	65	143	208
Development area (m2)	265,000	580,000	845,000
Warehouses & offices (m2)	250,000	550,000	800,000
Services (m2)	14,000	32,000	46,000
Companies	100	120	220
Workers	5,000	8,000	13,000
Investment (thousand €)	55,000	235,000	290,000





### 3. Enlargement

#### Reefer facilities and BIP



- 5.729 m<sup>2</sup> in two floors
- 14 refrigerated warehouses (3.119 m<sup>2</sup>)
- 31 Loading docks
- 8 Different operative areas
- Truck parking area

- Beginning of operations: 9th July 2012
- Investment: 7M Euro
- 31 gates for different kind of goods
- Operating Monday to Friday from 08:00 h. to 20:00 h.



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## 4. Connectivity

Weekly connections linking to the main world ports.



More than 100 regular lines and 163 shipowners.

Wide range of feeder and Short Sea Shipping services in the Mediterranean.

Updated services at:

<http://www.portdebarcelona.cat/en/web/Port-dels-Negocis/lineas-regulares>



## 4. Connectivity

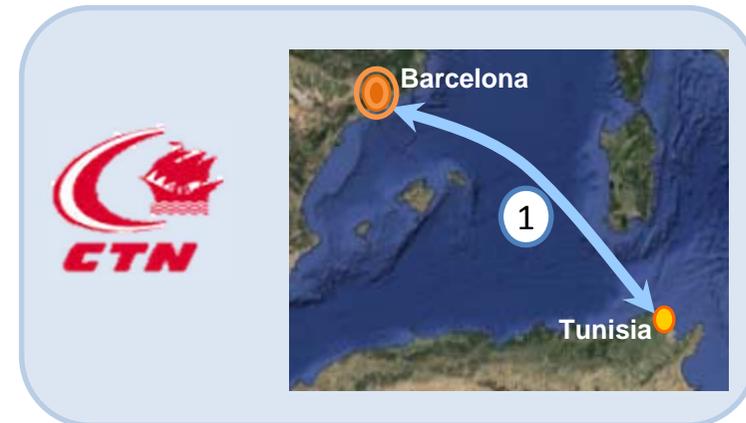
Regular maritime lines SSS. Mediterranean weekly services





## 4. Connectivity

Wide experience in ro/ro and ro/pax services to North Africa & Italy



○ Nr of weekly calls



## 4. Connectivity

An strategic position beetween Morocco and Europe



- Efficient connections: 200 km to Perpignan via freeway.
- Significant reduction of your carbon footprint.

### ▪ Direct, reliable, fast services.

**Container:** Liner services to Casablanca and TangerMed operated by:

Arkas	WEC Lines	MEDEX
Maersk	MSC	Marfret
MNM	Comanav	Metz

**Car carriers:** regular connections to Casablanca and TangerMed operated by:

Flota Suardiaz	EuroMarine Logistics
Neptune Lines	Messina

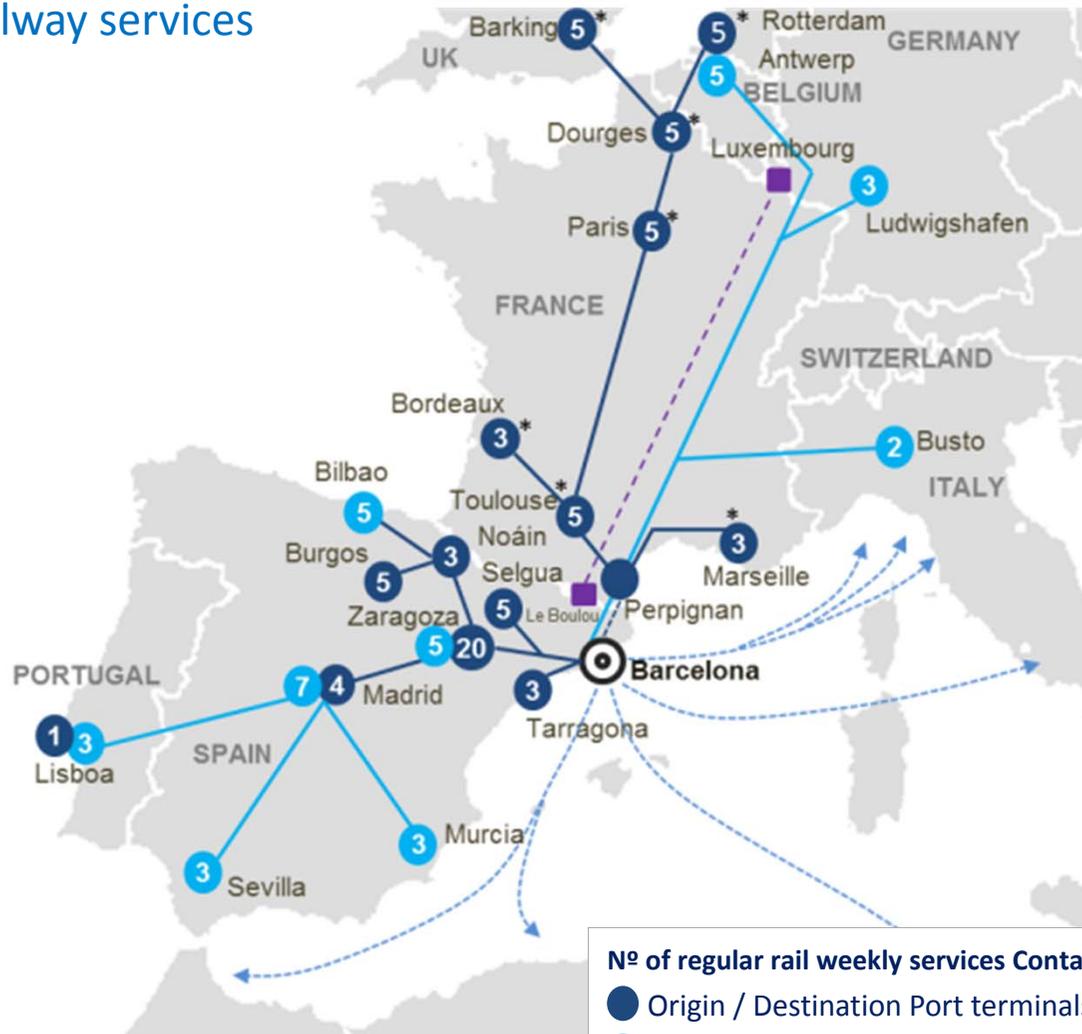
**Ro - Ro:** 3 RO-PAX weekly services semanales to Casablanca and TangerMed operated by:

Grimaldi Lines

Grandi Navi Veloci



## 4. Connectivity Railway services



\* Multimodal offer

March 2016

**Nº of regular rail weekly services Containers**

- Origin / Destination Port terminals
- Origin / Destination Morrot or Can Tunis
- Rail Motorway O/D Le Boulou

From TCB & BEST	Weekly basis
<b>França &amp; UK (Perp, Toul.Bourd, Paris, Dour, Bark, Marsella)</b>	
T.Portuarios	5/3
<b>Lisboa (Portugal)</b>	
Alfil	1
<b>Madrid Azuqueca</b>	
Best + Alfil	3
SICSA + TCB	1
<b>Noáin (Pamplona)</b>	
Best	3
<b>Selgua (Huesca)</b>	
MSC	2
TCB	3
<b>Tarragona</b>	
T.Portuarios	3
<b>Villafria (Burgos)</b>	
TCB	5
<b>Zaragoza PLAZA</b>	
SICSA	2
<b>Zaragoza TMZ</b>	
TCB	15
SICSA	3
<b>Total ***</b>	<b>41</b>

\*\* by SOSTRAT and stakeholders information

\*\*\* France & UK offer not included

From Morrot	Weekly basis
<b>Antwerp</b>	
Hupac	5
<b>Bilbao</b>	
Transefa/Continental	5
<b>Busto</b>	
Hupac	2
<b>Ludwigshafen</b>	
Kombiverkher	3
<b>Madrid Abroñigal****</b>	
Renfe	7
<b>Zaragoza PLAZA</b>	
Renfe	5
<b>Total</b>	<b>27</b>

\*\*\*\* connections with Murcia, Sevilla, Lisboa and others

**You can check updated services at:**

<http://www.portdebarcelona.cat/en/web/port-dels-negocis/lineas-ferroviarias>



## 4. Connectivity

Rail traffic evolution in the Port of Barcelona

Quality and cost = **+400%** increase in 9 years





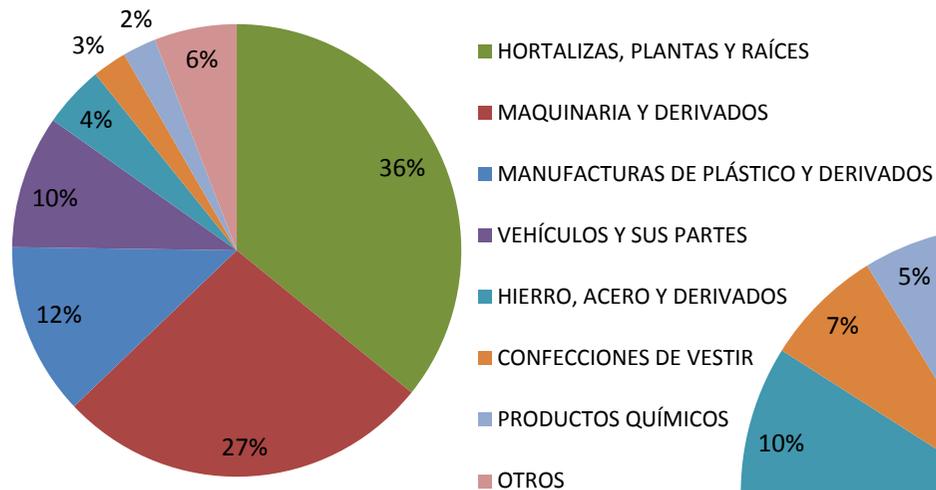
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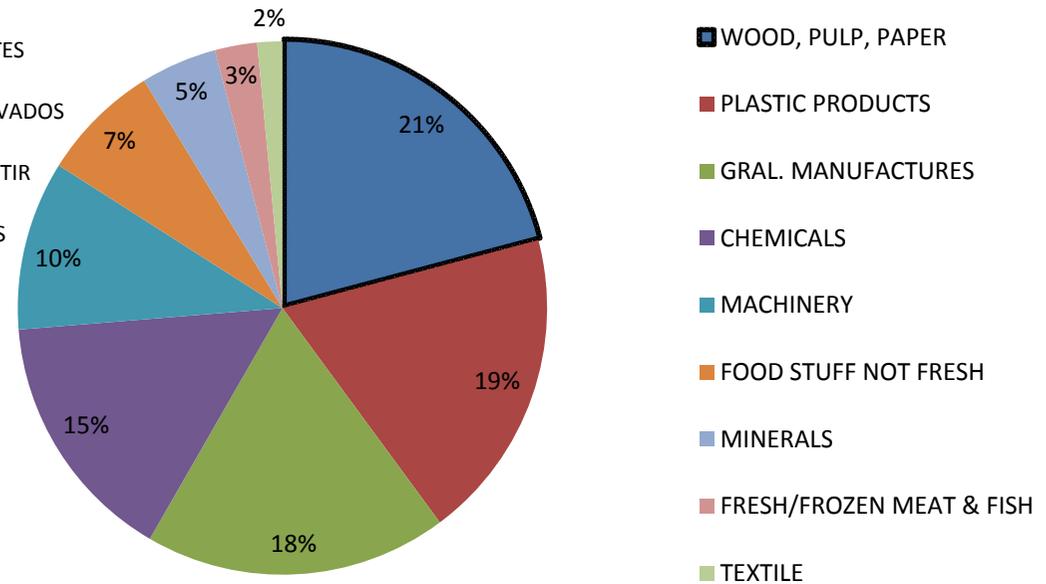
## 5. Traffic Port of Barcelona – Morocco

Diversified traffic in import, export and transshipment:  
TEU, cars, ITUS and passengers

### UTIS 2015



### TEUS 2015





## 5. Traffic Port of Barcelona – Morocco

### General Reefer Traffic at the Port of Barcelona

#### Meat



Total	2012	2013	2014	2015
	24.165	18.584	25.586	31.984

TEUs reefer	2015 vs 2014
Meat	25,00%
Fish	11,54%
Fruit	-3,20%
Vegetables	-6,84%

#### Fruit



Total	2012	2013	2014	2015
	14.093	14.459	18.308	17.723

#### Fish



Total	2012	2013	2014	2015
	4.989	6.245	6.622	7.386

#### Vegetables



Total	2012	2013	2014	2015
	1.074	1.001	1.013	944



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## 6. Client Oriented



The SAC (Customer Service) is the link between the market and the Port. It acts as a promotion, complaints handling, information requests, incidents resolution, etc.



Portic is the Port Community System of the Port of Barcelona. Improves the competitiveness of the port community through a technological platform that provides an easier interaction



The Quality Team (EQ) is involved in the detection of damage and faults in the goods and in the seal and supports the inspection services; Controls interventions and provides incidents information. It acts at TCB, Tercat, the PIF, and Setram Autoterminal.



The APB has begun to develop logistics consultancy work for those customers that want to improve their logistics, proposing more competitive alternatives than usual.



Information services addressed to end users. Recently, training actions have been initiated in company to exporters and importers.



Information service regarding the CO2 generated by the customer logistics chains and advice on more effective alternatives from an environmental point of view.





## 6. Client Oriented From a Paperless Port towards a Smart Port

Continuous IT developments

The **Port of Barcelona** has been awarded by the International Association of Ports and Harbours (**IAPH**) with the **2015 IT award** for the implementation of the **Smart Gate-In** and **Get-Out process**.

Procedures & EDI messages for VGM (Verified Gross Mass) in force 1st July 2016, ready in PCS (Port Community System)

**PORTIC** is the telematic platform of the Port of Barcelona for efficient and effective exchange of information

### You can arrange:

- Shipping contracts
- Land transport procurement
- Customs
- Ship's cargo list
- Financial services
- "Portic Manifiesta" allows to apply calls and berthing, to generate load and unload manifests, and others.





## 6. Client Oriented Ecocalculator

Web tool for calculating CO2 emissions associated to transport routes

- Maritime section: origin port to destination port
- Land section between the Port of Barcelona and the final location: by road or rail (last mile always by road)

Comparisons with other European ports of call



### Example Lyon > Abu Dhabi

The route via Port of Barcelona has significantly less environmental impact than the route via the Port of Antwerpen

**-26 % CO2 emissions**

Try out on [www.portdebarcelona.cat](http://www.portdebarcelona.cat)



## Próximos cursos para profesionales

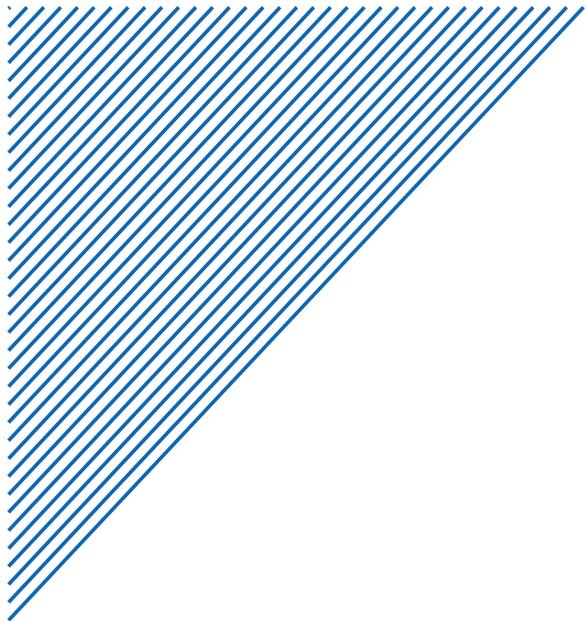
- 5 – 8 Septiembre SURCO Operations
- 17-20 Septiembre MOST Italy
- 22-25 Octubre MOST Barcelona
- 5-8 Noviembre MOST Portugal
- 26-29 Noviembre MOST France





## The Barcelona advantage

- Reduction of **transit time** by 3-4 days **fuel savings** and **lower CO2 emissions** on routes to/from Far East compared with North European Ports.
- Potential **hinterland** of more than 4 million TEU within a radius of 600 km .
- Unique location in one of the largest **commercial and industrial centers** in the Mediterranean.
- **Multimodal corridors** connecting the port with major industrial and consumer areas in Europe.
- The European Union has included Barcelona and its Port as one of the **main nodes of the Mediterranean Corridor**, one of the Europe's main transport corridors.
- Fully **integrated services** for a global market and specialized logistics solutions for different sectors.
- Excellence in Service: worldwide recognition on **Quality and Efficiency** (customs clearance within 17 hours in case of physical inspection), Paper Free Port and development of Logistics Areas.
- **Client oriented:** added value services to increase the competitive advantage for our clients



[www.portdebarcelona.cat](http://www.portdebarcelona.cat)

**Thanks**

