



# Improvements at Barcelona Cruise Terminals

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Barcelona, a leading cruise port

Traffic evolution and challenges

**creuers** - Company profile

Improvements

## Barcelona, a leading cruise port

Since many years, **Barcelona** ranks as:

**The first Cruise Port in Europe**

*ahead of Rome, Venice and Southampton*

and the **4rth home port in the world**

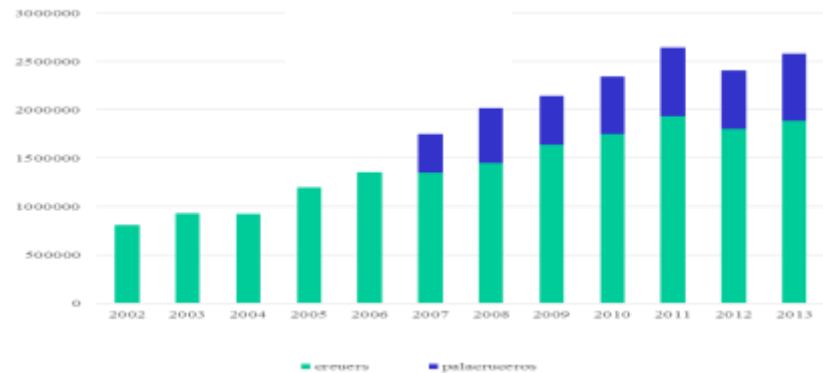
*Just after the 3 Caribbean ones:*

*Miami, Port Everglades and Port Canaveral*

# Traffic evolution and Challenges

After the Olympic Games and later, after the privatization of the Cruise Operators, Barcelona experienced the arrival of larger size of cruise ships, with capacity from 700 pax up to 6.000 pax and an important growth of the cruise traffic in terms of passengers

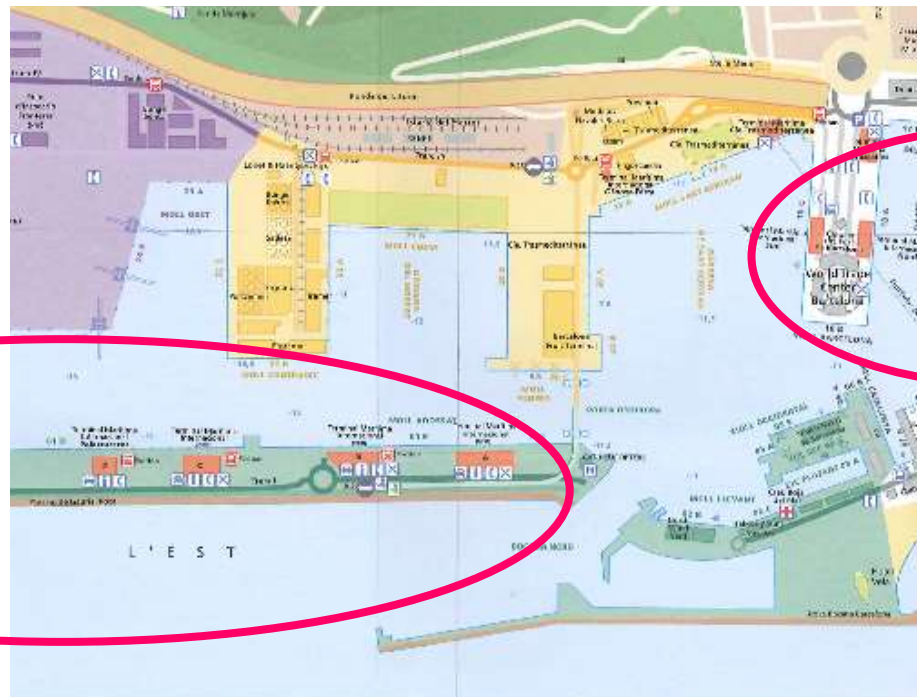
*from 500.000 to 2600.000 pax/year*



To attend this important traffic the **Port Authority** and the **Terminal Operators** developed an important program of investments in berths and in new and refurbished Terminal Buildings.

## Barcelona, present Capacity :

8 Berths dedicated to cruise calls  
6 Cruise Terminals for Home port  
34.000 pax/day



**ADOSSAT pier**  
5 berths  
4 Terminals

**WTC pier**  
3 berths  
2 Terminals

## Barcelona, a leading cruise port



## creuers - Company profile



The private Company CREUERS DEL PORT DE BARCELONA SA. was registered in 1999, when was awarded by the Port Authority the **Public Concession** of 4 Terminals in Barcelona + 1 under **Authorization**.

This year we celebrate the 15th Anniversary.

**creuers** invested in the design and erection of the new Terminals **B** (2005) and **A** (2008) prepared to accommodate the homeport calls of the largest cruise ships.

**creuers** also revamped the Terminal **C** (2005) and the Terminals **North** and **South** at the WTC for homeport calls

In 2013, around **76 %** of the total cruise passengers calling at Barcelona used the **creuers** Public Terminals, with a total of **612** calls and **1.889.000** passengers, of which, **61 %** were home porters

Remaining **24 %** correspond to passengers operated at the private Carnival Terminal

# Improvements at Barcelona Cruise Terminals

**creuers** cruise Terminals



## creuers - Improvements

The new Terminals have been designed according to the latest requirements concerning Security, comfort, easy processing and environmental sustainability

**Water** Fresh water supplied to cruise ships  
sourced by the Public Water Company, ensuring permanent drinking quality



## creuers - Improvements

### Energy reduction

Roofs and walls fitted with thermal isolations



## creuers - Improvements

**Energy – reduction of initial power contract by 240 Kw per Terminal, through:**

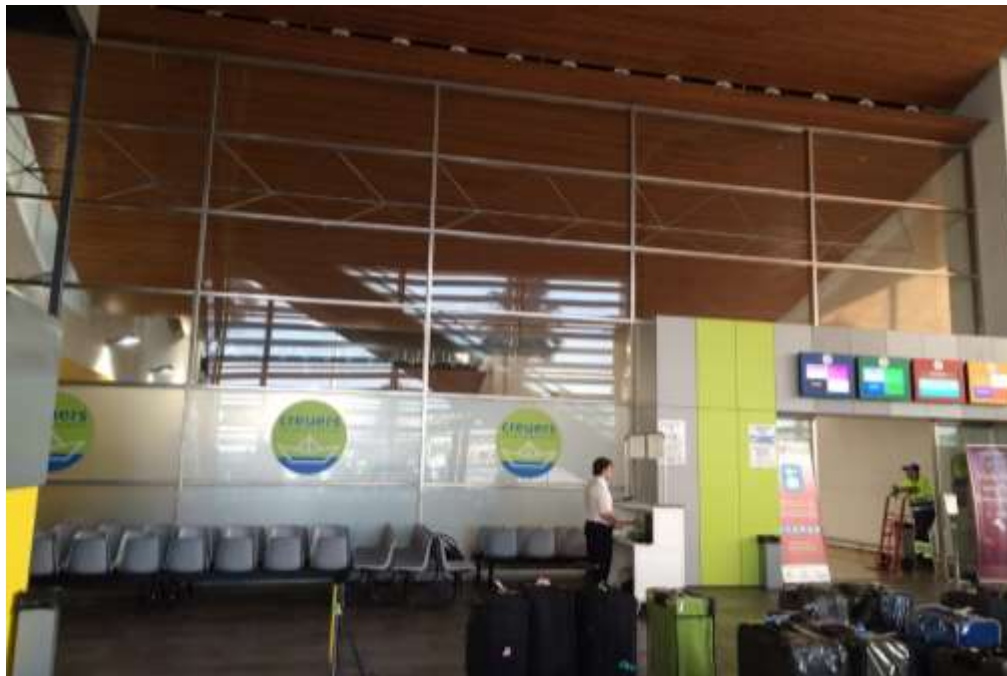
daylight lighting



## creuers - Improvements

**Energy reduction:**

Thermal indoor compartments



## **creuers** - Improvements

### **Energy reduction:**

Efficient Air Conditioning equipment ( Summer and Winter )

Energy Dispatching Room at each Terminal

## creuers - Improvements

### Energy reduction

Automatic double sliding doors at the main entrances



## creuers - Improvements

### Waste

Collection of

Solid garbage  
Toilets sewage  
Oil waste, etc

and transport  
to recycling plants



## creuers - Improvements

### Bunkering

Always from a barge



## creuers - Improvements

### Reduction of Air emissions - Alternatives when ship is in port

**Shore power supply** It is not an universally accepted solution because of:

*important investments*

*on board and ashore (main power line and equipment)*

*extra energy costs. Who will absorb?*

Only a small part of the new builds are fitted with shore power outlets

### **LNG**

It is a clean solution but requires dual engines, with important investments on board. But easy shore supply by tank trucks.

### **Scrubbers**

A promising alternative, already installed in some test ships.

**We are following the 3 alternatives. A decision has not been taken, yet**

**Here are some of our Improvements .....**

**Thank you**

