

Improvements at Barcelona Cruise Terminals

Carles Domingo

General Manager
Creuers de Barcelona



BIOGRAPHY

EDUCATION

Secondary School – Lycée Français de Barcelone

Doctor Engineer - Escola Superior d'Enginyers Industrials de Barcelona

Management Development Program at IESE Business School in Barcelona (Associated to Harvard Business School)

EXPERIENCE

Since 1999 – General Manager of CREUERS DEL PORT DE BARCELONA SA.

- Responsible for the daily operations and the profits of the company.
- Responsible for the erection of the new Terminals A and B for mega cruise ships and revamping of Terminals North, South and C including:

the design, definitions of passengers and luggage flows, security, technical supervision of the construction process, cost control, schedule, etc.



Improvements at Barcelona Cruise Terminals

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creuers DEL PORT DE BARCELONA

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Improvements at Barcelona Cruise Terminals

Barcelona, a leading cruise port

Traffic evolution and challenges

creuers - Company profile

Improvements

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Improvements at Barcelona Cruise Terminals

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

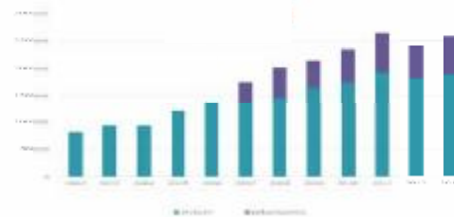
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Improvements at Barcelona Cruise Terminals

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.

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Barcelona, present Capacity :

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



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Improvements at Barcelona Cruise Terminals

Barcelona, a leading cruise port



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Improvements at Barcelona Cruise Terminals

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

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creuers cruise Terminals

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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



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creuers - Improvements**Energy reduction**

Roofs and walls fitted with thermal isolations



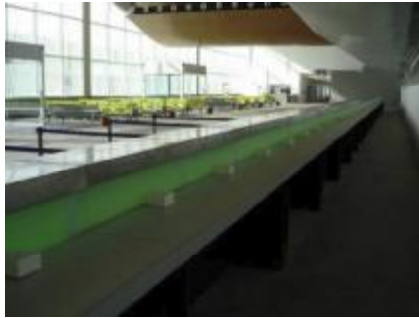
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creuers - Improvements

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

daylight lighting



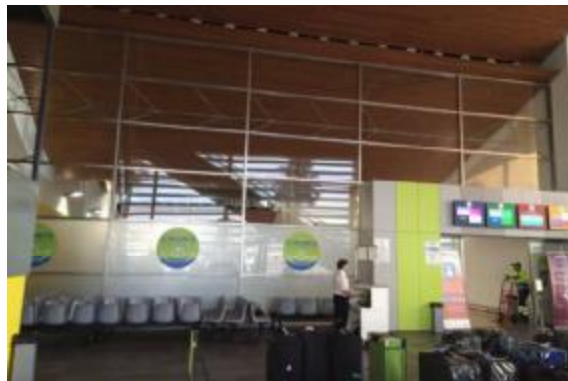
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creuers - Improvements

Energy reduction:

Thermal indoor compartments



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Improvements at Barcelona Cruise Terminals

creuers - Improvements

Energy reduction:

Efficient Air Conditioning equipment (Summer and Winter)

Energy Dispatching Room at each Terminal

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Improvements at Barcelona Cruise Terminals

creuers - Improvements

Energy reduction

Automatic double sliding doors at the main entrances



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Improvements at Barcelona Cruise Terminals

creuers - Improvements

Waste

Collection of

Solid garbage
Toilets sewage
Oil waste, etc

and transport
to recycling plants



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Bunkering

Always from a barge



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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

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Improvements at Barcelona Cruise Terminals

Here are some of our Improvements

Thank you



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