



Port de Barcelona

La oportunidad para una distribución
sostenible

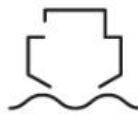




El Port de Barcelona hoy: Un hub de distribución para Europa/MED/Africa



21 days from China
direct container services with the shortest transit time from Asia to Europe



Save **between 10-15%** in distribution costs



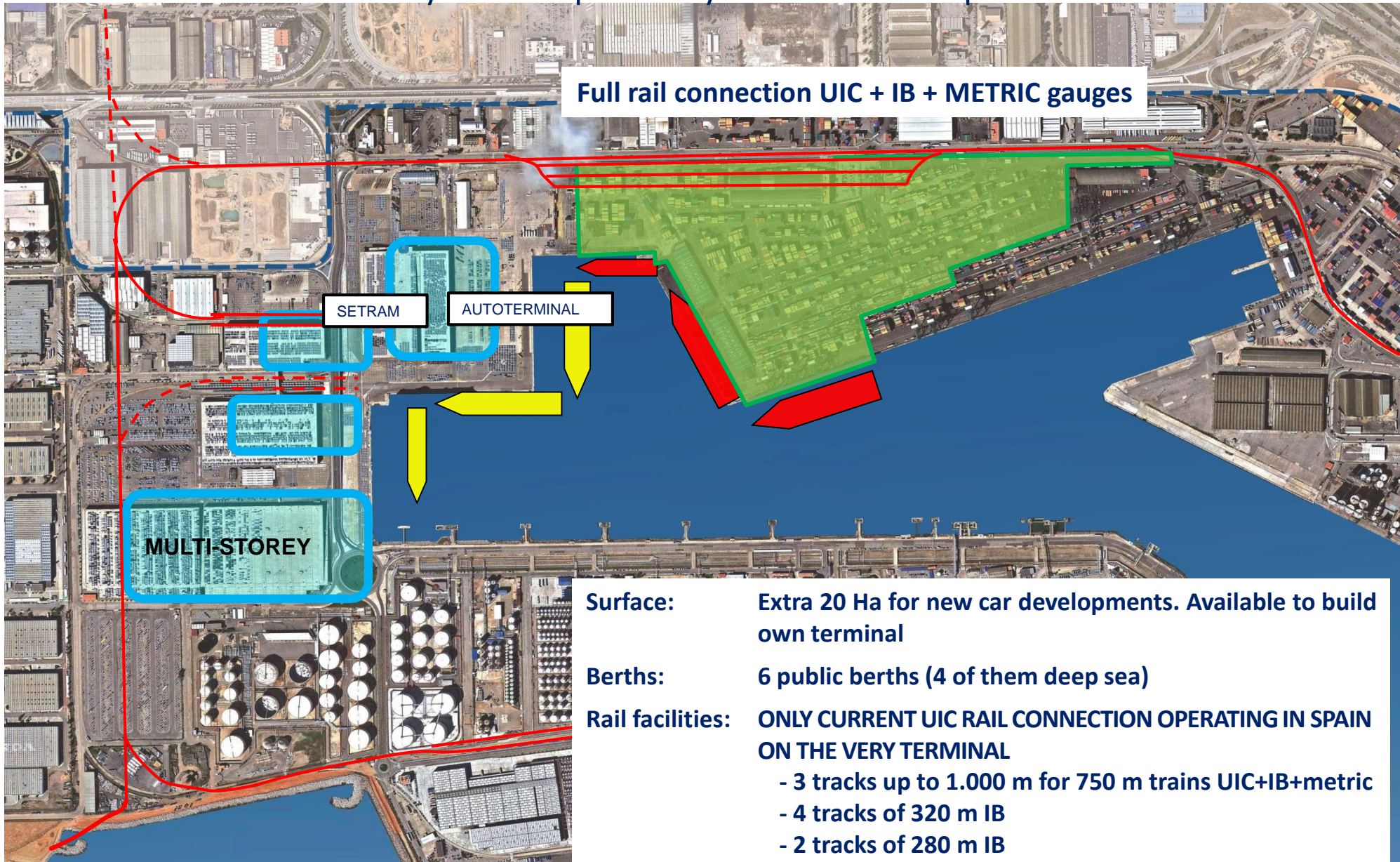
Save **15-20%** on your carbon footprint



Market of **400 million consumers** in less than 48h



El Port de Barcelona hoy: Gran capacidad y terminales completamente conectadas



Full rail connection UIC + IB + METRIC gauges

SETRAM

AUTOTERMINAL

MULTI-STOREY

- Surface:** Extra 20 Ha for new car developments. Available to build own terminal
- Berths:** 6 public berths (4 of them deep sea)
- Rail facilities:** **ONLY CURRENT UIC RAIL CONNECTION OPERATING IN SPAIN ON THE VERY TERMINAL**
 - 3 tracks up to 1.000 m for 750 m trains UIC+IB+metric
 - 4 tracks of 320 m IB
 - 2 tracks of 280 m IB



El Port de Barcelona hoy: Terminales de vehículos



Public area for cars

autoterminal
BARCELONA

SETRAM

autoterminal
BARCELONA



AUTOTERMINAL

Area: 755.360 m²
463.653 m² covered
Capacity: 39.771 units

SETRAM

Area: 250.000 m²
150.000 m² covered
Capacity: 13.300 units

+ Public area for cars

Additional capacity of 23 ha
Additional capacity: 11.500 units

Total berthing

1.671 meters for 6 vessels
4 Ro-ro ramps

Current car capacity around 60.000 cars



El Port de Barcelona hoy: Terminales específicas para el SSS.

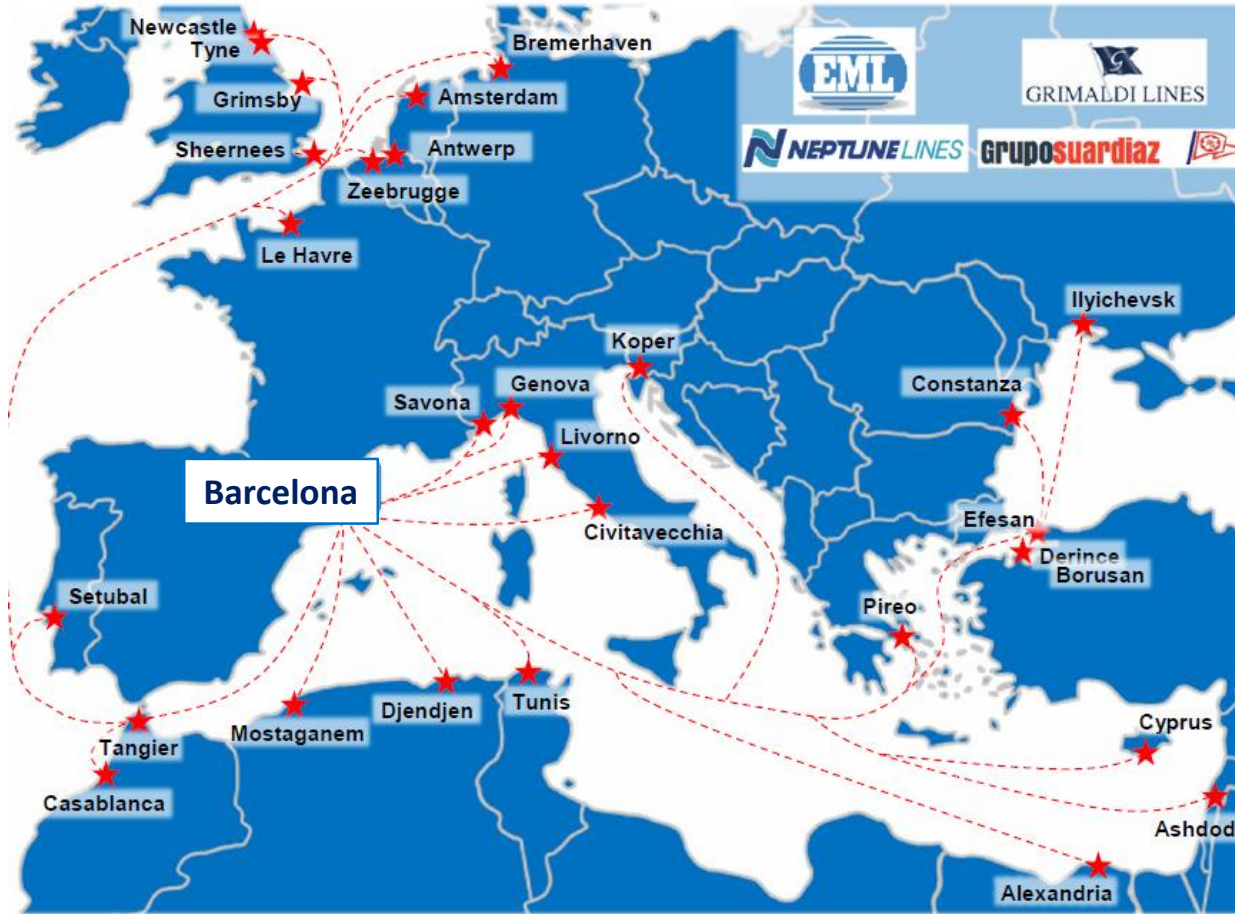




Port de Barcelona

El Port de Barcelona hoy. Car carrier & ro/ro. Conectividad en corta distancia.

Conexiones existentes



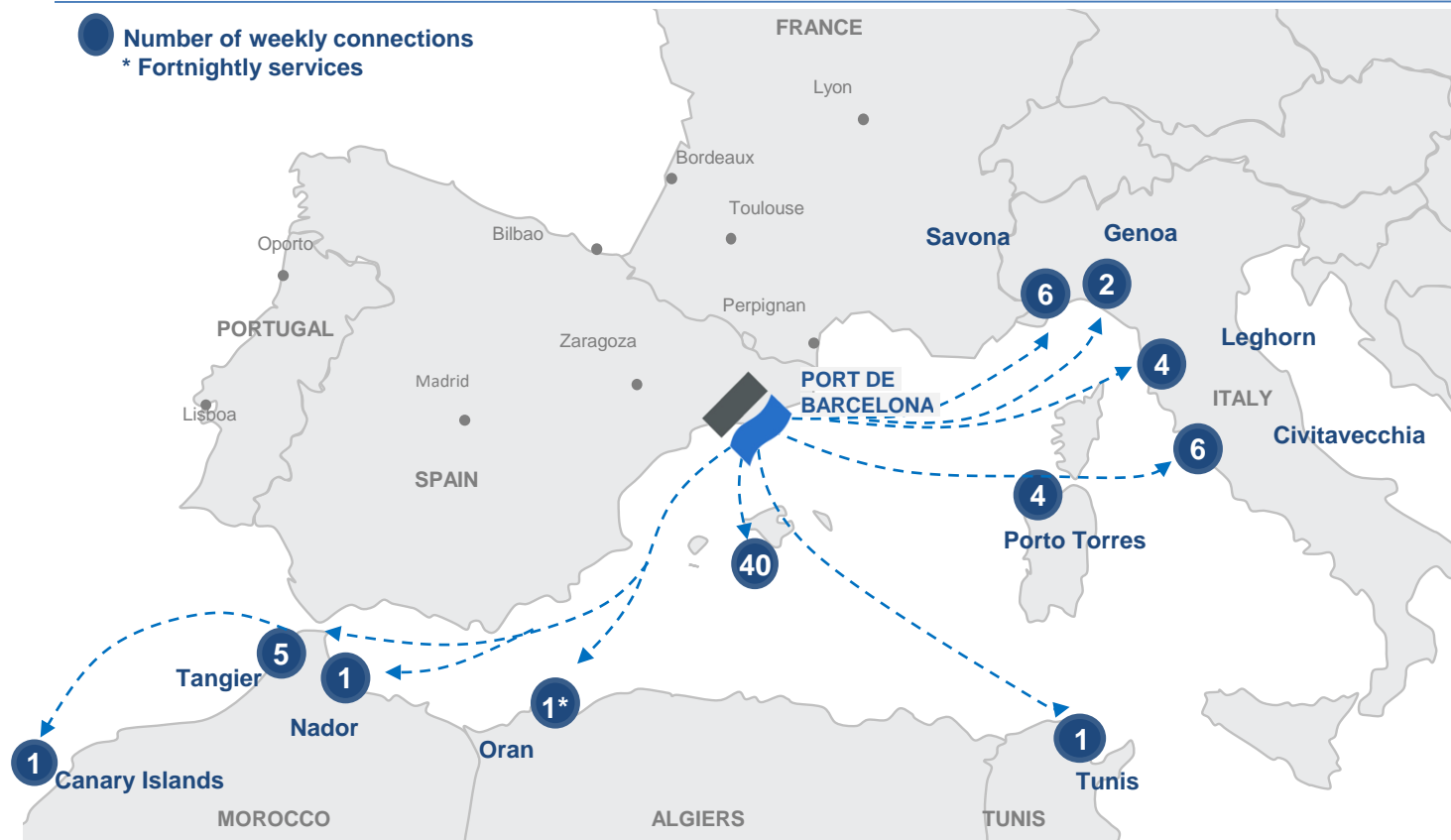
Destinations EML, Neptune, Suardiaz & Grimaldi	Frequency (Per Month) *
Algeria	8
Amsterdam	4
Belgium	4
Cyprus	2
Egypt	3-4
England	8
France	4
Germany	6
Greece	8
Israel	3-4
Italy	8
Morocco	4
Portugal	4
Romania	3
Slovenia	2
Tunisia	1-2
Turkey	8

* Frequency can vary depending on market needs



Port de Barcelona

El Port de Barcelona hoy. Conectividad específica en corta distancia ro/ro.

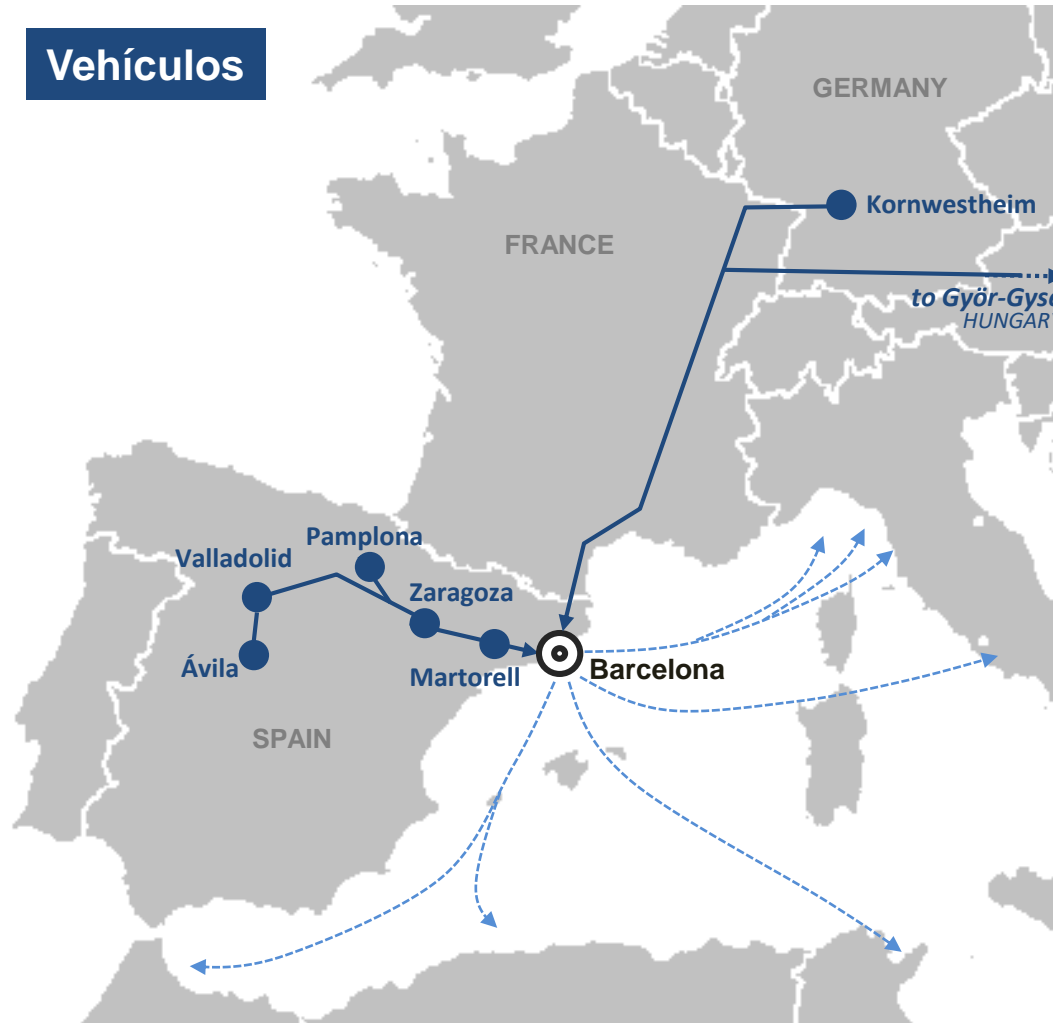


Transit times	GRIMALDI LINES	GNV GRANDI NAVI VELOCI	ALGERIE - FERRIES	CTN	ARMA S	BALEARIA	
Rome	20h	Genoa	19h	Tunis	30h	Balearic Islands	8h
Porto Torres	12h	Nador	25h				
Leghorn	24h	Tangier	26h				
Savona	18h					Las Palmas y Tenerife	3 days



El Port de Barcelona hoy. Conectividad ferroviaria para vehículos.

Vehículos



Servicios ferroviarios nacionales para la exportación marítima por el Puerto de Barcelona

Factoría
SEAT Martorell
VOLKSWAGEN Pamplona
RENAULT Valladolid

Servicios ferroviarios internacionales

Origen/destino	Operador y nº trenes
KORNWESTHEIM (Alemania) Sentido Norte->Sur	DB 4 trenes /semana de 685 m
GYÖR-GYSE (Hungria) Sentido Sur ->Norte	



El Port de Barcelona mañana: Innovación y transformación digital

Smart Logistics



Trough technology and automation:

- makes the entire logistics chain more efficient, reliable, predictive and productive
- record and share information in real time with customers
- integrates physical and technological infrastructures.

Smart Mobility



- Local and international multimodal accessibility.
- All modes of transport
- Infrastructures and ICT
- Traffic management

...are efficient, integrated, sustainable, innovative and safe

Smart Environment



- Protects and is respectful with its surroundings
- Promotes measures to reduce pollution
- Makes efficient management of natural and energy resources
- It is sustainable from an energy point of view

Smart Economy



It is the economic engine of its area of influence and generator of public value

- Creates wealth
- Dynamize the labor market
- It facilitates the internationalization and competitiveness of its environment.
- Drives innovation and entrepreneurship

Smart People



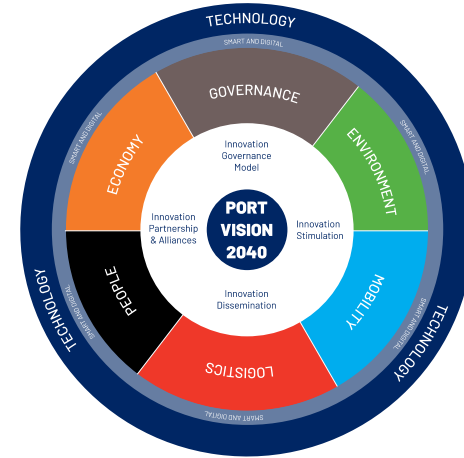
There is a good port-city integration that enhances ...

- the diversity
- learning, creativity and participation of people
- culture
- social cohesion
- the tourist attraction of its surroundings

Smart Governance



- Makes an efficient management of public resources
- It's transparent
- Encourages participation
- Guarantees physical and legal security for the benefit of the citizen and the economy ..



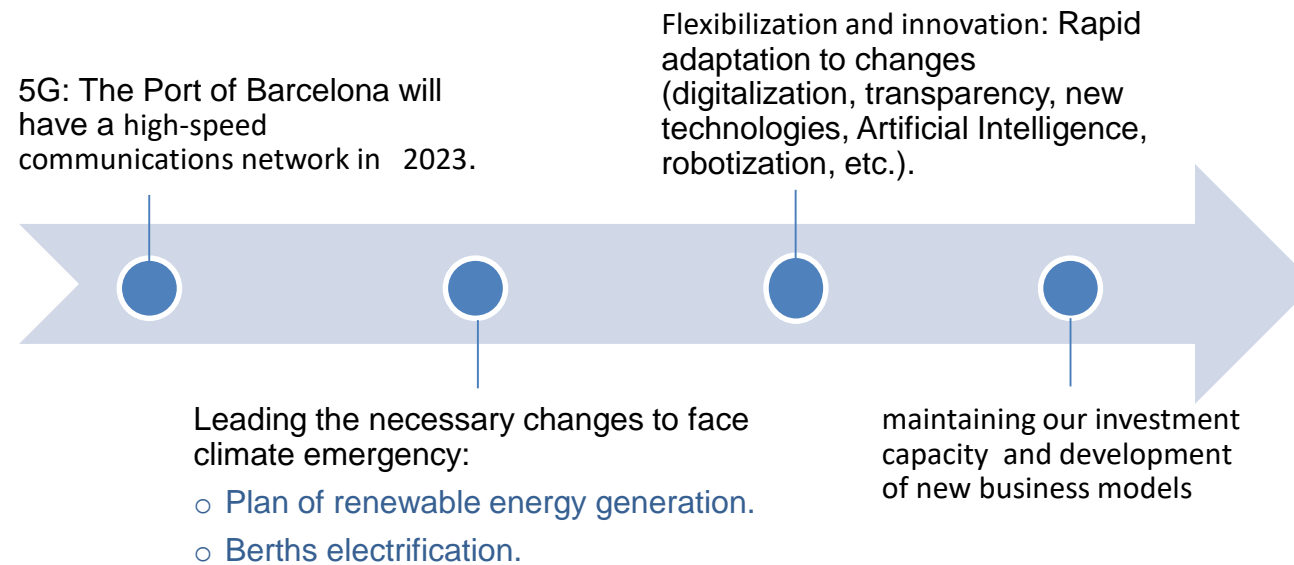


El Port de Barcelona mañana: La apuesta por la sostenibilidad





El Port de Barcelona mañana: Propuestas de futuro inmediato.





El Port de Barcelona mañana: La apuesta por la sostenibilidad






El Port de Barcelona mañana: Nuevos límites de emission para vehículos.



Penalty payments for excess emissions Assumption: no changes until 2021

	 Actual vs Target g/km	Penalty (€/unit)	Units Regs 2018 (000)	Total Penalty (€ billion)
VW Group	26.6	2,525	3,638	9.19
PSA	23.1	2,194	2,457	5.39
Renault Group	23.2	2,207	1,615	3.57
BMW Group	27.5	2,609	1,018	2.66
Hyundai-Kia	30.0	2,852	1,011	2.88
Ford	27.1	2,576	992	2.56
FCA	35.5	3,373	961	3.24
Daimler	33.6	3,192	941	3.01
Toyota	7.8	745	733	0.55
Nissan Group	19.0	1,807	630	1.14
Volvo	25.5	2,425	317	0.77



Port de Barcelona