

Port Authority of Valencia

Core Network Corridors and
Liquefied Natural Gas:

CORE LNGas Hive

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Core Network Corridors and Liquefied Natural Gas: CORE LNGas Hive

Start:	2015
End:	2020
Number of partners:	45
Countries involved:	2
Total budget:	33.1 MM€ of which 50% financed by EU through CEF program

ACTIVITY 1 MANAGEMENT

ACTIVITY 2 STUDIES

ACTIVITY 3 PILOTS

ACTIVITY 4 RESULTS

WP1.1 Administrative	WP2.1 Transversal	WP3.1 CNC Mediterranean	WP4.1 Observatory on Directive implementation
WP1.2 Technical	ET0 National Policy Framework	EPM1 Barcelona: Dedicated LNG flexible hoses for bunkering	WP4.2 Roll-out and Investment Plan
WP1.3 Financial	ET1 Technical, Safety and Environmental specifications on LNG	EPM2 Barcelona: Barge retrofit for LNG bunkering within the port	WP4.3 Impact ACT-2
WP1.4 Stakeholders	ET2 LNG demand and supply chain analysis for the Roll out (MED corridor)	EPM3 Barcelona: Straddle carrier retrofit	WP4.4 Impact ACT-3
	ET3 LNG demand and supply chain analysis for the Roll out (ATL corridor)	EPM4 Cartagena: dedicated LNG mooring jetty for small scale services	WP4.5 Dissemination of results
	ET4 LNG demand and supply chain analysis for the Roll out (Gibraltar Strait and peripheral regions)	EPM5 Valencia: LNG/CNG mixed station for vehicles and small boats	
	ET5 LNG social acceptance	WP3.2 CNC Atlantic	
	ET6 LNG advance training requirements and vocational programme	EPA1 Bilbao: Adaptation for LNG small scale services in big scale jetty	
	WP2.2 Feasibility	EPA2 Bilbao: Barge retrofit for LNG bunkering in the Cantabrian coast (navigable)	
	EV1 Engineering for new dedicated LNG jetty in regasification plant of Ferrol	EPA3 Bilbao: New tugboat powered by LNG	
	EV2 Rescue boat powered by LNG	EPA4 Ferrol: Adaptation for LNG mixed bunker/big/small scale services in existing jetty	
	EV3 Port locomotive powered by LNG (Tarragona)	WP3.3 Transversal	
	EV4 Tugboat powered by LNG (Barcelona)	EPT1 LNG powered electricity generator mobile unit for OPS	
	EV5 Adaptation for LNG bunkering/small scale services in regasification plant of Sagunto (Valencia)	EPT2 Multimodal transport for LNG logistics supply-chain (rail/road/sea)	
	EV6 Tugboat powered by LNG (Valencia)		
	EV7 Multimodal LNG bunker berth in port of Huelva		

ET2: Study on LNG demand and supply chain analysis for the roll out (Mediterranean corridor)

Objective: Analyze potential LNG demand for transport and possible supply chains in the Mediterranean corridor.

Completed actions: Top-down and Bottom-up studies released

Next steps: Supply Chain Analysis studies

EV5: Adaptation for LNG bunkering/small scale services in Sagunto

Objective: Adaptation to LNG bunkering and small scale services at the regasification plant of Sagunto port.

Completed actions: Local demand study completed and basic engineering contract in force.

Next steps: Completion basic engineering.

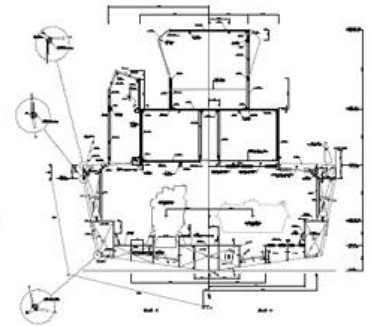


EV6: Valencia. Tugboat powered by LNG

Objective: Design of a LNG tug boat. The ship will also implement other innovative technologies addressed to improve her optimal use of power. The scope of the prototype will only cover the basic engineering.

Completed actions: Definition of main particulars with Marine Administration and Class Society.

Next steps: Approval of basic engineering plans from Marine Administration and Class Society.

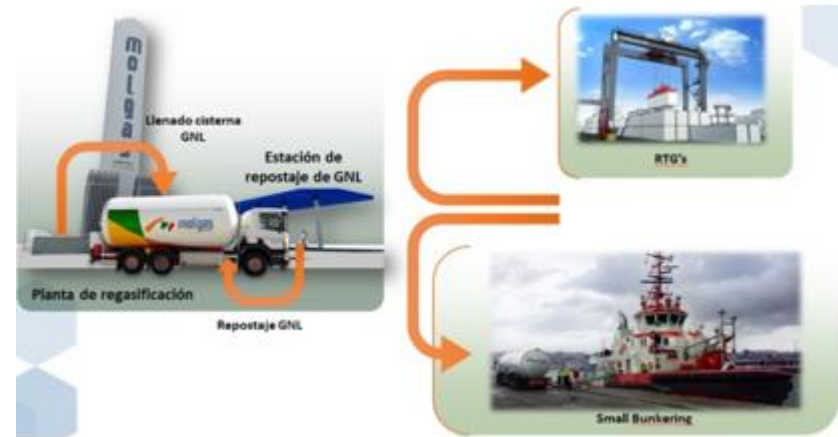


EPM5: Valencia – LNG/CNG mixed station for vehicles and small boats

Objective: Building a mixed station (land/maritime vehicles) within the port of Valencia, contributing to LNG penetration in port activities. The station will include an innovative system for increasing the methane number, meeting the knocking requirements of alternate engines.

Completed actions: Local demand study released.

Next steps: Administrative and civil works.



Thanks for your kind attention

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