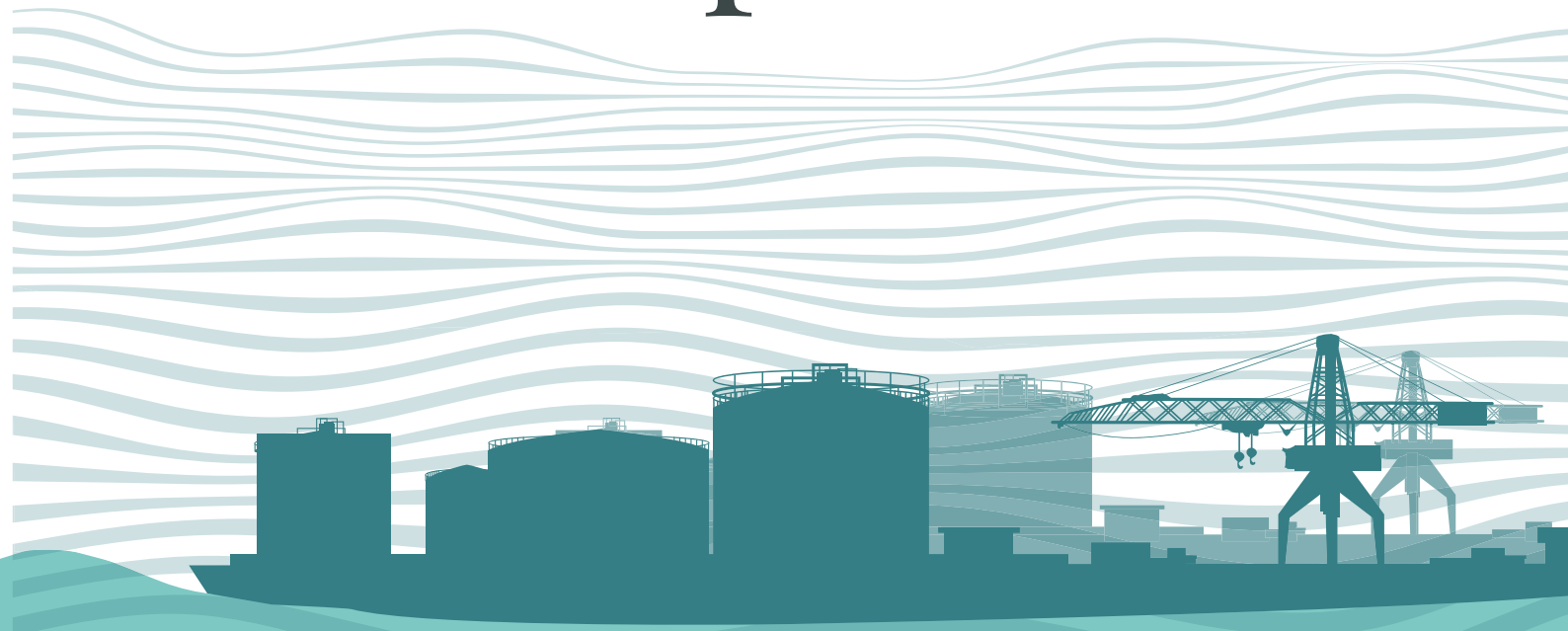
Statistical Report 2021

Technical characteristics of the port



Technical characteristics of the port

General Conditions

Location	
Longitude	6º 49' 32.8" W (Greenwich)
Latitude	37º 8' 6,6" N

Wind system	
Prevailing (most frequent wind direction)	NO
Predominant (direction of wind gusts at maximum speeds)	SO

Storm system	
Significant maximum wave height (Hs MAX)	3.48
Peak wave period (Tp) linked to Hs MAX	9.1
Mean wave direction (Dir) linked to Hs MAX	2.21

Level of the sea	
Maximum tidal range recorded during the year *	3.84
Minimum low tide recorded during the year with respect to port zero *	0.01
Minimum low tide recorded during the year compared to port zero *	4.11

*** Data from the latest recorded year, 2020**

Entrance	
Entry channel	
Orientation	339º
Width	200 a 300 m
Length	15,000 m
Water depth at M.L.W.S	13 m*
Nature of the seabed	Sand and sludge

*** Draft of the project**

Boca de entrada	
Orientation	339º
Width	300 m
Draught at M.L.W.S	13 m*
Maximum recorded current	5 knots

*** Draft of the project**

Use of tugs for entry and exit

In accordance with the current Rules for Entry, Exit, Docking and Undocking at the Port of Huelva, published in the Official Gazette of the Province of Huelva No. 201 on October 23, 2006, the mandatory use of tugs in normal conditions is dependent on the length of the vessel and the nature of the freight, rather than the value of its GT.

Thus, the attendance of tugs will be mandatory when it comes to manoeuvring vessels of more than 90 m in length, carrying hazardous freight classified under classes 1, 2, 3 or 4 of the IMDG Code, those included in Article 15 of Royal Decree 145/89, approving the National Regulations for the Admission, Handling and Storage of Hazardous Freight in Ports, and substances not included in the sections above, which are considered hydrocarbons as defined in Article 1.2 of Royal Decree 253/2004, of February 13, establishing measures to prevent and combat pollution in the loading, unloading and handling of hydrocarbons in the maritime and port environment.

Largest vessels to have entered in the last year				
Features	**Greatest length**		**Greatest draught**	
	Area 1	**Area 2**	**Area 1**	**Area 2**
Name	LNG BONNY II	LNG BONNY II	NAVIG8 GUARD	NAVIG8 GUARD
Nationality	BERMUDA	BERMUDA	LIBERIA	LIBERIA
Gross tonnage (G.T.)	115,995	115,995	30,237	30,237
Dead weight tonnage (D.W.T.)	98,954	98,954	49,761	49,761
Length	**299.5**	**299.5**	183.24	183.24
Draught	12.97	12.97	**19.1**	**19.1**
Type	Transport of liquefied gas	Transport of liquefied gas	Chemical products transport	Chemical products transport
Real entry or exit draught	9.5	9.5	10.8	10.8

Flotation surface area (Ha)

AREA I

Location	**Outer harbour**	**Docks**			**Total**
		Commercial	**Fishing**	**Others**	
Entry channel	366.70				366.70
Outer dock		379.90			379.90
Inner dock		239.50	16.50	5.20	261.20
Others				1,084.51	1,084.31
Total Area I	**366.70**	**619.40**	**16.50**	**1,089.51**	**2,092.11**

Flotation surface area (Ha)				
AREA II				
Location	**Access**	**Anchorage area**	**Others**	**Total**
Crude oil terminal buoy			113.00	113.00
Others		2,639.00	9,994.30	12,633.30
Total Area II		**2,639.00**	**10,107.30**	**12,746.30**

Facilities at the service of maritime trade

Quays and berths

CLASSIFICATION BY DOCKS

Service	Length (m)	Draught (m)	Width (m)	Used for
Ingeniero Juan Gonzalo Quay	942	13	230	General freight and bulk materials
Ciudad de Palos Quay	492	13	320	General freight and bulk materials
Levante South Quay	400	8	80	General freight and passengers
Levante Centre Quay	90	8	80	Local passengers and auxiliary
Levante North Quay	710	8	80	Fishing and inner traffic
Arenillas Tower Oil Tanker Quay	460	12.6		Bulk liquid (2 berths)
Ore Quay	374	13	50	General freight and bulk materials
South Quay	750	13	300	Passengers, general freight, RO-RO and containers
Tharsis Quay	280	-	-	Out of service
Mooring buoys - North	200	7	-	-

Service	Length (m)	Draught (m)	Width (m)	Used for
Mooring buoys - Centre	200	6	-	-
Mooring buoys - South	150	5	-	-
TOTAL FOR SERVICE	**5,048**			-

Private	Maximum permitted length (m)	Draught (m)	Width (m)	Used for
New Huelva Shipyard Quay	337	-	-	Weapons, repairs and scrap
Riotinto quay	390	-	-	Out of service
Fertiberia, S.L. (Phosphoric acid/ compounds) jetty	180	8.10	-	Bulk liquid
Atlantic Copper, S.L.U. jetty North	140	6.50	-	Bulk liquids
Fertiberia, S.L. (Fertiliser) jetty	150	8.10	-	Bulk liquids and solids
Impala Terminal	550	14	-	Bulk solids
Levantino-Aragonesa de Tránsitos, S.A.	120	9.70	-	Bulk liquids
Atlantic Copper, S.L.U TNP 1 jetty	175	10	-	Bulk liquids
Atlantic Copper, S.L.U. jetty TNP 2	159	8	-	Bulk liquids
Saltés quay	200	5.50	-	Weapons, repairs and scrap
Reina Sofía E de CEPSA jetty	190	10	-	Bulk liquids
Reina Sofía C de CEPSA jetty	128	8.5	-	Bulk liquids
Reina Sofía W de CEPSA jetty	150	9	-	Bulk liquids
Reina Sofía 4º CEPSA BERTH jetty	210	12.6	-	Bulk liquids
Enagas, S.A. jetty	304.5	12	-	Bulk liquids

Private	Maximum permitted length (m)	Draught (m)	Width (m)	Used for
Decal North jetty	210	11.50	-	Bulk liquids
Decal South jetty	210	12.50	-	Bulk liquids
Decal-South 2 jetty	119.2	13.30	-	Bulk liquids
Royal Maritime Club of Huelva	8	2	-	Various
La Rábida quay	20	2	-	Auxiliary (1 berth)
Single buoy	275	16.50	-	Bulk liquids
TOTAL FOR INDIVIDUALS	**4,225.7**	-	-	-
TOTAL	**9,273.7**	-	-	-

CLASSIFICATION BY USES AND DRAUGHT

Ussage	Linear metres with draught "C" (m)						C <4
	C ≥ 12	12 > C ≥ 10	10 > C ≥ 8	8 > C ≥ 6	6 > C ≥ 4	Total	
Service							
Commercial docks							
General conventional freight		-	-		-	-	-
Containers	-		-	-	-	-	-
RO-RO berths	-		-	-	-	-	-
Bulk solids without special installation	-	-	-	-	-	-	-
Bulk solids via special installation	-	-	-	-	-	-	-
Bulk liquids	460	-	-	-	-	460	-
Multi-purpose	2,558	-	-	400	-	2,958	-
Passengers	-	-	-	90	-	90	-

Ussage	Linear metres with draught "C" (m)						C <4
	C ≥ 12	12 > C ≥ 10	10 > C ≥ 8	8 > C ≥ 6	6 > C ≥ 4	Total	
Other quays							
Fishing	-	-	-	710	-	710	-
Weapons, repairs and scrap	-	-	-	-	-	-	-
Service buoys	-	-	-	400	150	550	-
Various	-	-	-	-	280	280	-
TOTAL FOR SERVICE	**3,018**		**-**	**1,600**	**430**	**5,048**	**-**
Private							
Commercial docks							
General conventional freight	-	-	-	-	-	-	-
Containers	-	-	-	-	-	-	-
RO-RO berths	-	-	-	-	-	-	-
Bulk solids without a special installation	-	-	-	-	-	-	-
Bulk solids via a special installation	550	-	150	-	-	700	-
Bulk liquids	1,119	575	737	140	-	2,571	-
Multi-purpose	-	-	-	-	-	-	-
Passengers	-	-	-	-	-	-	-

Ussage	Linear metres with draught "C" (m)						C <4
	C ≥ 12	12 > C ≥ 10	10 > C ≥ 8	8 > C ≥ 6	6 > C ≥ 4	Total	
Other quays							
Fishing	-	-	-	-	-	-	-
Weapons, repairs and scrap	-	-	-	-	337	337	-
Various	-	-	-	-	590	590	28
TOTAL FOR PRIVATE	**1,669**	**575**	**887**	**140**	**927**	**4,198**	**28**
TOTAL FOR SERVICE AND PRIVATE	**4,687**	**575**	**887**	**1,740**	**1,357**	**9,246**	**28**

Land and storage areas (m²)

Land and storage areas (m²)	Designation	Warehouses			Roads	Others	Total
		Uncovered	Covered and open	Closed			
	North Fishing Industrial Estate				53,878	217,656	**271,534**
	Concessions					131,323	
	Others					86,332	
	Communications and services				53,878		
Levante:	**Levante quay and surroundings**	29,690		2,760	74,240	172,560	**279,250**
Warehouse 1				1,560			
Warehouse 2				1,200			
Storage Area		29,690					
	Concessions					29,596	
	Others					142,965	

Land and storage areas (m²)	Designation	Warehouses			Roads	Others	Total
		Uncovered	Covered and open	Closed			
	Communications and services				74,240		
	Cross streets and Punta del Sebo				675,294	2,481,476	**3,156,769**
	Concessions					1,348,458	
	Others					1,133,017	
	Communications and services				675,294		
	Outer Port	671,113		216,718	366,265	2,777,968	**4,032,065**
Muelle de Minerales							
Storage Area		11,846					
Ciudad de Palos							
Storage Area		109,459					
Ing. Juan Gonzalo:				16,720			
Warehouse 1				3,600			
Warehouse 2				4,760			
Warehouse 3				3,600			
Warehouse 4				4,760			
Storage Area		183,830					
Atlantic Copper, S.L.U.(C-1187 and C-1348)				14,895			
Bergé Marítima, S.L. (C-1409)		17,570		17,570			
ImpalaTerminals Huelva, S.L.U. (C-1309)		101,913		48,143			

Land and storage areas (m²)	Designation	Warehouses			Roads	Others	Total
		Uncovered	Covered and open	Closed			
South Quay							
Storage area		170,773					
Yilport Huelva, S.L.		54,697.6					
	Outer port (outside the docks)						
	Algeposa Huelva, S.L. (C-1151)			53,542			
	Servimad (C-968)			10,947			
	Bergé Marítima, S.L. (C-1144 Y C-1045)			28,667			
	García-Munté Energía, S.L. (C-1110)	32,327					
	Congrasur (C-1048)			7,155			
	Bergé Marítima, S.L. (C-1210)			9,451			
	Aridos Anfersa, S.L. (C-1501)			9,627			
	Consignaciones y Graneles del Suroeste S.A. (A01631)	9,035					
	García-Munté Energía, S.L. (A01600)	15,000					
	Bergé Marítima, S.L. (A01622)	19,360					
	Concessions					1,331,622	
	Others					1,446,347	

Land and storage areas (m²)	Designation	Warehouses			Roads	Others	Total
		Uncovered	Covered and open	Closed			
	Communications and services				366,265		
	River Odiel Marshes				**224,316**	**5,801,597**	**6,025,913**
	Concessions					**203,196**	
	Others					**5,598,400**	
	Communications and services				**224,316**		
	River Tinto Marshes				**501,937**	**3,554,087**	**4,056,024**
	Concessions					**116,111**	
	Others					**3,437,975**	
	Communications and services				**501,937**		
		700,803		**219,478**	**1,895,929**	**15,005,343**	**17,821,554**

Cold stores and ice factories

Location	Description	Owner	Storage	Observaciones
Avda. Fco. Montenegro, 1.ª Transversal (Cross street)	Refrigerated warehouse	Frigoríficos El Retorno, S.L.	9,000	Storage from -18º to -20º. Various
Pesquero Norte Industrial Estate	Refrigerated warehouse	Expromar, S.A.	2,400	Storage: -18º. Various
Polígono Finca Villafría	Refrigerated warehouse	Dimarosa	51,000	Refrigeration and freezing chambers
Polígono Finca Villafría	Refrigerated warehouse	Krustagroup	29,000	-24º with shelves for 5,000 europallets. Storage chamber: 0º (572 m³)
Pesquero Norte Industrial Estate	Ice factory	Hielos Costa de la Luz	No details	In operation

Maritime terminals

Location	Owner	Traffic	Surface area (m²)
South Quay	Balearia Eurolíneas Marítimas, S.A.	Huelva - Canary Islands	1,150.00
South Quay	Naviera Armas, S.A.	Huelva - Canary Islands	75.00

Fishing installations

Type of installation	Location	Surface area m²
Fish market	Levante Quay	2,280.92
Warehouse	Pesquero Norte Industrial Estate	1,620
Fishers, shipowner's warehouses or sheds	Pesquero Norte Industrial Estate	4,860
Fish preparation and packaging warehouse	Pesquero Norte Industrial Estate	18,558.64

Buildings and installations for public use

Location	Owner	Use	Characteristics
Levante North Quay	A.P.H.	Fish Auction Logistic Hub	2,000 m² on 1st floor
Avda. Hispanoamérica-Calle Sanlúcar de Barrameda	Ministry of Defence	Naval Command	1,698 m² on 2 floors
Avda. Real Sociedad Colombina Onubense	A.P.H.	A.P.H. Main office	2,460 m² on 3 floors
Avda. Hispanoamérica	A.P.H.	Transformer Centre (Lighting and Housing)	100 KVA housing
			125 KVA lighting
Avda. Hispanoamérica	A.P.H.	Parking facilities	413.96 m² with 142 parking spots
Avda. Hispanoamérica and Calle Sanlúcar de Barrameda	A.P.H.	A.P.H. offices, Harbourmaster's Office, Port Services Control Centre, SASEMAR, The Port of Huelva Stevedoring Society, Civil Guard, Health Control at Borders	2,689.26 m² on 3 floors (3 buildings)

Location	Owner	Use	Characteristics
Levante Quay	A.P.H.	Puerto del Príncipe parking facilities	576 m² with 197 parking spots
Levante Quay	A.P.H.	Nº2 Transformer Centre North	630 KVA
Levante Quay	A.P.H.	Huelvaport	16.70 m²
Levante Quay	A.P.H.	Commercial Department Office	223.30 m²
Levante Quay	A.P.H.	Office of the Storage, Facilities and Ground Operations Division	240 m² on 2 floors
Levante Quay	A.P.H.	Customs Unit	72 m² on 1 floor
Levante Quay	A.P.H.	Guardia Civil Control Post	11.95 m²
Levante Quay	A.P.H.	Guardia Civil Control Post Parking facilities	427.03 m² with 146 parking spots
Levante Quay	A.P.H.	Premises (3) of the maritime service of the State Tax Administration Agency	48.8m²
Levante Quay	A.P.H.	Premises (4) of the General Directorate of the Civil Guard	65.07 m²
Levante Quay	A.P.H.	Transformer Centre nº1 South	630 KVA
Avenida de Hispanoamérica	A.P.H.	Port parking facilities	665 m² on 1 floor
Avenida de Hispanoamérica	A.P.H.	Port of Huelva Reception and Documentation Centre	875 m2 on 1 floor
Avda. Fco. Montenegro	A.P.H.	La Ría Promenade Parking facilities	732.78 m² perpendicular with 251 parking spots and 466.68 m² with 90 parallel spots
Avda. Fco. Montenegro	A.P.H.	La Ría Promenade	81,525 m² promenade
Avda. Fco. Montenegro	A.P.H.	Paseo de la Ría bathrooms	134.20 m² 10 plant modules (13.42 m²)
Avda. Fco. Montenegro	A.P.H.	Parking facilities	75.49 m² with 26 parking spots
Avda. Fco. Montenegro	A.P.H.	Parking facilities Fertiberia	425.06 m² with 146 parking spots

Location	Owner	Use	Characteristics
Avda. Fco. Montenegro	A.P.H.	Real Club Marítimo parking facilities	196.62 m² with 67 perpendicular parking spots and 70.21 m² with 14 parallel parking spots
Avda. Fco. Montenegro	A.P.H.	Colón Parking facilities	105.12 m² with 36 parking spots
Avda. Fco. Montenegro	A.P.H.	Térmica Parking facilities	78.06 m²
Oil Tanker Quay	A.P.H.	Civil Guard Control Post	6.63 m²
Oil Tanker Quay	A.P.H.	Transformer Centre	100 KVA
Oil Tanker Quay	A.P.H.	Parking facilities	122.14 m² with 42 perpendicular parking spots and 28 for trucks
Arenillas Tower	A.P.H.	Central Control Tower	800 m² on 4 floors
Arenillas Tower	A.P.H.	Treatment plant	1,500 m² for storage
			555 m² warehouse
Ciudad de Palos Quay	A.P.H.	Transformer Centre nº5 y nº6	nº5 630 KVA strength
			nº5 250 KVA lighting
			nº6 630KVA
Minerales Quay	A.P.H.	Transformer Centre	160 KVA lighting
			800 KVA fuerza
Isla Saltés Quay	A.P.H.	Transformer Centre	100 KVA
Ingeniero Juan Gonzalo Quay	A.P.H.	Parking facilities	516.56 m² with 129 parking spots
Ingeniero Juan Gonzalo Quay	A.P.H.	Transformer Centre Workshops	315 KVA
Ingeniero Juan Gonzalo Quay	A.P.H.	Transformer Centre nº1	630 KVA
Ingeniero Juan Gonzalo Quay	A.P.H.	Transformer Centre nº2	630 KVA strength
			250 KVA lighting

Location	Owner	Use	Characteristics
Ingeniero Juan Gonzalo Quay	A.P.H.	Transformer Centre nº3	630 KVA
Ingeniero Juan Gonzalo Quay	A.P.H.	Transformer Centre nº4	630 KVA
Ingeniero Juan Gonzalo Quay	A.P.H.	Civil Guard Control Post	11.95 m²
South Quay	A.P.H.	Transformer Centre Terminal Ferroviaria	400 KVA
South Quay	A.P.H.	Transformer Centre nº1	630 KVA
South Quay	A.P.H.	Lighting Transformer Centre-PIF	630 KVA
South Quay	A.P.H.	New access control, Portuary Police, Civil Guard	64.64 m² for two modules de 32.32 m² of 1 floor
South Quay	A.P.H.	Bathrooms and vending machines	80.67 m² on ¹ floor. Corbel of 94.07 m²
South Quay	A.P.H.	Customs	73.65 m² on 1 floor
South Quay	A.P.H.	National Police cabins	22.68 m². 2 cabins of 6.30 m² and one cabin of 10.08 m²
South Quay	A.P.H.	Customs	180.40 m² on 1 floor
South Quay	A.P.H.	Phytosanitary Control	1,776.82 m²
South Quay	A.P.H.	Warehouse means to combat marine pollution	540.30 m²
Mazagón	A.P.H.	Civic building (Casa Vigia - Observation house)	240 m² on 2 floor

Moles

Description	Lenght(m)	Characteristics
Juan Carlos I, King of Spain mole	13,000	Flow-over type, made of quarry stone, layers of rockfill with edges up to ⁹ tonnes and parallelepiped concrete blocks up to 4.5m³

Schematic map of lighthouses and beacons

See General Map of the Port of Huelva

It is necessary to install the Google Earth application to visualize it. The Port Authority of Huelva is solely responsible for updating the contents referring to the beaconing of its service area..

Relationship of lighthouses and beacons

Number	Name and position	Description	Colour	Rhythm	Range in miles
8730	River Odiel, Cardinal direction: west	Castillete	B	8 Ct	5
8740	River Odiel n.º 1	Triangular marker	V	D	4
8750	River Odiel n.º 2	Cylindrical marker	R	D	4
8760	River Odiel n.º 3	Triangular marker	V	Gp. D (2)	3
8770	River Odiel n.º 4	Cylindrical marker	R	Gp. D (2)	3
8780	River Odiel n.º 5	Triangular marker	V	Gp. D (3)	3
8790	River Odiel n.º 6	Cylindrical marker	R	Gp. D (3)	3
8800	River Odiel Fork No. 7	Triangular marker	V	Gp. D 2+1	3
8810	River Odiel n.º 8	Cylindrical marker	R	Gp. D (4)	4
8722	Day/night leading lights	Cylindrical/conical tower	VBR	Sectorial	D 5,9 / N 8
8820	River Odiel n.º 9	Triangular marker	V	D	3
8830	River Odiel n.º 10	Cylindrical marker	R	D	3
8840	River Odiel n.º 11	Triangular marker	V	Gp. D (2)	3
8850	River Odiel n.º 12	Cylindrical marker	R	Gp. D (2)	3
8855	Vigia submerged breakwater	Castillete	B	Gp. D (2)	3
8870	River Odiel n.º 13	Triangular marker	V	Gp. D (3)	3
8880	River Odiel n.º 14	Cylindrical marker	R	Gp. D (3)	3

Number	Name and position	Description	Colour	Rhythm	Range in miles
8890	River Odiel n.º 15	Triangular marker	V	1 D	3
8900	River Odiel n.º 16	Cylindrical marker	R	Gp. D (4)	3
8905.2	South Mooring Buoy - South port-side	Special marker	A	1 D	1
8905.4	South Mooring Buoy - South starboard-side	Special marker	A	1 D	1
8905.6	South Mooring Buoy - North port-side	Special marker	A	1 D	1
8905.8	South Mooring Buoy - North starboard-side	Special marker	A	1 D	1
8810.1	River Odiel n.º 18	Cylindrical marker	R	1 D	3
8911.2	Centre Mooring Buoy - South port-side	Special marker	A	Gp. D (4)	1
8911.3	Centre Mooring Buoy - South starboard-side	Special marker	A	Gp. D (4)	1
8911.4	Centre Mooring Buoy - North port-side	Special marker	A	Gp. D (4)	1
8911.5	Centre Mooring Buoy - North starboard-side	Special marker	A	Gp. D (4)	1
8925.2	North Mooring Buoy - South port-side	Special marker	A	Gp. D (5)	1
8925.4	North Mooring Buoy - South starboard-side	Special marker	A	Gp. D (5)	1
8925.6	North Mooring Buoy - North port-side	Special marker	A	Gp. D (5)	1
8925.8	North Mooring Buoy - North starboard-side	Special marker	A	Gp. D (5)	1
8940	River Odiel n.º 20	Cylindrical marker	R	Gp. D (2)	3
8975	River Odiel n.º 22	Cylindrical marker	R	Gp. D (3)	3
*8945	River Odiel n.º 20 M1	Special marker	A	1 D	1
*8950	River Odiel n.º 20 M2	Special marker	A	1 D	1
9010	River Odiel n.º 24	Cylindrical marker	R	4 D	3
9005	River Odiel n.º 26	Cylindrical marker	R	3 D	3

Number	Name and position	Description	Colour	Rhythm	Range in miles
9070	River Odiel n.º 28	Cylindrical marker	R	4 D	3
***9040.2	South buoy	Special marker	A	1 D	1
***9040.3	North-east buoy	Special marker	A	1 D	1
***9040.4	North-west buoy	Special marker	A	1 D	1
8060	Puente del Burro Fork No. 34	Cylindrical marker	R	Gp. D (2+1)	3
8700	Picacho lighthouse	Octagonal tower	B	Gp. D (2+4)	25
8710	Morro dike lighthouse	Cylindrical tower	B & R	Gp. D (3+1)	10
8570	El Rompido lighthouse	Cylindrical tower	B	Gp. D (2)	24
8175	Matalascañas lighthouse (Higuera)	Triangular tower	B	Gp. D (3)	20
8670	Crude oil unloading buoy	Special marker	A	Gp. D (4)	8
8680	Buoy 1 oil pipeline	Special marker	A	Gp. D (4)	5
8685	Buoy 2 oil pipeline	Special marker	A	Gp. D (4)	5
8690	Buoy 3 oil pipeline	Special marker	A	Gp. D (4)	5
8692	Buoy 4 oil pipeline	Special marker	A	Gp. D (4)	5
8694	Buoy 5 oil pipeline	Special marker	A	Gp. D (4)	5
8860	Casa Vigia (Observation House) Beacon	Post with special marker	A	D	1
8886	South Quay Beacon - North	Beacon on a support structure	V	Gp. D (4)	3
8882	South Quay Beacon - Centre	Beacon on a support structure	V	Gp. D (4)	3
8881	South Quay Beacon - South	Beacon on a support structure	V	Gp. D (4)	3
8881,1	Duque Alba South Quay Beacon	Beacon on a support structure	A	D	3
8912	Decal Jetty Beacon	Post with a beacon	V	Gp. D (2)	3
8914	Decal Jetty Beacon	Post with a beacon	V	Gp. D (2)	3
8918	Decal Jetty Beacon - North	Post with a beacon	V	Ct	3
8960	Reina Sofia Jetty Beacon	Post with a beacon	V	Gp. D (3)	3

Number	Name and position	Description	Colour	Rhythm	Range in miles
8963	Reina Sofia Jetty Beacon	Post with a beacon	V	Gp. D (3)	3
8965	Reina Sofia Jetty Beacon	Post with a beacon	V	Gp. D (3)	3
8915	Fenosa Emissary Beacon	Post with a limit marker	A	Ct	1
8970	Enagas Jetty Beacon	Post with a beacon	V	Gp. D (4)	3
8972	Enagas Jetty Beacon	Post with a beacon	V	Gp. D (4)	3
8977	FORET Jetty	Post with a beacon	V	D	3
8977,1	FORET Jetty	Post with a beacon	V	D	3
8980	Atlantic Jetty - South	Post with a beacon	V	Gp. D (2)	3
8981	Atlantic Jetty - Outer	Post with a beacon	V	Gp. D (2)	3
8985	Ercross-Atlantic Copper Jetty	Post with a beacon	V	Gp. D (3)	3
8990	Ercross-Atlantic Copper Jetty	Post with a beacon	V	Gp. D (3)	3
9015	Juan Gonzalo Extension - South	Post with a beacon	V	Gp. D (4)	3
9016	Juan Gonzalo Quay	Beacon	V	1 D	3
9035	Ore Quay	Beacon	V	Gp. D	3
9040	Quay for tugs	Post with a beacon	V	Gp. D	3
9045	Oil Tanker Quay	Post with a beacon	V	Gp. D (2)	3
9047	Oil Tanker Quay	Post with a beacon	V	Gp. D (2)	3
9050	Buoy No. 30	Cylindrical marker	R	Gp. (2D)	3
9052	Buoy No. 32	Cylindrical marker	R	Gp. (3D)	3
9054	Buoy No. 17 Fork	Triangular marker	V	Gp. D (2+1)	3
9055	Yacht Club	Beacon	V	4 D	1
9055,1	Yacht Club	Beacon	V	Ct	1
9055,3	Yacht Club	Beacon	V	Gp D (2)	1

Number	Name and position	Description	Colour	Rhythm	Range in miles
9065	Fertiberia - Fertiliser	Post with a beacon	V	D	3
9067	Fertiberia - Fertiliser	Post with a beacon	V	D	3
9075	Buoy No. 36	Cylindrical marker	R	Gp. 1 D	3
9084	Atlantic Copper - North	Post with a beacon	G	Gp. D (2)	3
9086	Atlantic Copper - North	Post with a beacon	G	Gp. D (2)	3
9090	Fertiberia - Phosphoric acid/ compounds	Post with a beacon	G	Gp. D (3)	3
9095	Fertiberia - Phosphoric acid/ compounds	Post with a beacon	G	Gp. D (3)	3
9100	Buoy No. 38	Cylindrical marker	R	Gp. 3 D	3
9110	Buoy No. 19	Triangular marker	V	Gp. D (4)	3
9120	Tinto Quay	Beacon	V	D	3
9121	Buoy No. 40	Cylindrical marker	R	D	3
9122	Jetty for official launches	Beacon	V	Gp. D (2)	1
9122,5	Jetty for official launches	Beacon	V	Gp. D (2)	1
9123,1	Buoy R1	Special marker	A	D	3
9123,2	Buoy R2	Special marker	A	D	3
9125	Levante Centre Quay	Beacon	V	Gp. D (3)	3
9135	Tharsis Quay	Beacon	R	Gp. D (4)	3
9025	Saltés Quay	Beacon	R	D	3
9170	La Rábida Quay	Post with a beacon	V	Ct	1
9155	Tinto Bridge	Beacon	V	Ct	1
9150	Tinto Bridge	Beacon	R	Ct	1
9160	Tinto Bridge	Beacon	R	Ct	1
9145	Tinto Bridge	Beacon	V	Ct	1
8665	Burro Bridge	Beacon	V	Ct	1

Number	Name and position	Description	Colour	Rhythm	Range in miles
8665,1	Burro Bridge	Beacon	R	Ct	1
8665,2	Burro Bridge	Beacon	V	Ct	1
8665,3	Burro Bridge	Beacon	R	Ct	1

***Delimits the manoeuvring area to turn Enagas vessels around**

***** Old Ore Quay turn-around area**

Installations for vessels

Dry docks	Not applicable
Floating docks	Not applicable
Slipways	Not applicable
Shipyards	New Huelva Shipyard

Vessel supply services

Type of supply	Location	Nº. of outlets	Hourly capacity for each outlet	Hourly capacity of the quay	Supplier
Liquid fuels	Levante Quay	6	B15 Diesel	Diesel B 90	CEPSA Supply Station
Liquid fuels	Oil Tanker Quay	4	1,000	4,000	CEPSA
Liquid fuels	Reina Sofía Jetty	1	IFO-180	Diesel	CEPSA
Lubricant	M/T "Galileo J"	1	7	Lubricating oil	Sermalub
Liquid fuels	Oizmendi	2	600 m^3	HFO/GO	Itsas Gas Bunker Supply, S.L.
Water	Levante Quay	33	17	51	Amasur, S.A.L.
Water	Oil Tanker Quay	2	17	17	Amasur, S.A.L.

Type of supply	Location	Nº. of outlets	Hourly capacity for each outlet	Hourly capacity of the quay	Supplier
Water	Ore Quay	5	17	34	Amasur, S.A.L.
Water	Ingeniero Juan Gonzalo/Ciudad de Palos Quay	38	17	51	Amasur, S.A.L.
Water	South Quay	14	17		Amasur, S.A.L.
Water	"Otani" barge	1	30		Amasur, S.A.L.

Mechanical land resources

Cranes

DOCKSIDE CRANES

Location	Owner	Nº	Make	Type	Power	Force	Height above the MLWS	Container throughput/ hour	Year
South Quay	Yilport Huelva	1	Paceco	Panamax containers	Electrical	30-40	31	20-22	1984
South Quay	Yilport Huelva	1	Paceco	PostPanamax containers	Electrical	40-50	36	21-24	1990
South Quay	Yilport Huelva	1	Kalmar	Super PostPanamax containers	Electrical	65	38		2004

MOBILE CRANES

Location	Owner	Nº	Make	Type	Power	Force	Height above the MLWS	Throughput tonnes/hour	Year
Ingeniero Juan Gonzalo/ Ciudad de Palos	Bergé	2	Liebherr LHM 400	Móvil	Gas-Oil	52	45	700	2002
Ingeniero Juan Gonzalo/ Ciudad de Palos	Algeposa	1	Liebherr LHM 400	Móvil	Gas-Oil	52	45	600	1996
Ingeniero Juan Gonzalo/ Ciudad de Palos	Algeposa	1	Liebherr LHM 500	Móvil	Gas-Oil	52	48	700	2004
Ingeniero Juan Gonzalo/ Ciudad de Palos	Algeposa	1	Liebherr LHM 600	Móvil	Gas-Oil	74	45	900	2007
Ingeniero Juan Gonzalo/ Ciudad de Palos	Servimad	1	Gottwald HMK 330	Móvil	Gas-Oil	80	46,6	970	2001
Ingeniero Juan Gonzalo/ Ciudad de Palos	Servimad	1	Mantsinen 90 M	Móvil	Gas-Oil	8	20	970	2012
Ingeniero Juan Gonzalo/ Ciudad de Palos	Ership	1	Gottwald HMK 360	Móvil	Gas-Oil	63	47	1,500	2006
Ingeniero Juan Gonzalo/ Ciudad de Palos	Ership	1	Gottwald HMK 6407B	Móvil	Gas-Oil	100	50	1,112	2013

Location	Owner	Nº	Make	Type	Power	Force	Height above the MLWS	Throughput tonnes/hour	Year
Ingeniero Juan Gonzalo/ Ciudad de Palos	Ership	1	Gottwald GHMK 6507B	Móvil	Gas-Oil	120	51	1,112	2016
Ingeniero Juan Gonzalo/ Ciudad de Palos	Ership	1	Gottwald HMK 6407B	Móvil	Gas-Oil	100	50	1,007	2018
Impala Terminal	Impala	1	Liebherr LHM 550	Móvil	Gas-Oil	300	64	2,300	2015

NUMBER OF CRANES SUMMARY

Type	Service	Private	Total
GANTRY			
Up to 6 tonnes			
Between 7 and 12 tonnes			
Between 13 and 16 tonnes			
Over 16 tonnes		5	5
Mobile	0	12	12
Total	**0**	**17**	**17**

Special loading and unloading installations

Location	Owner	Year of manufacture	Characteristics
Decal España (lighters) jetty	DECAL ESPAÑA, S.A.	2008	Total length L 84.93 m Dead weight 5,000 tonnes Beam B 16.00 m Max. draught when loaded 6.00 m Displacement when loaded P 6,800 tonnes A docking and loading/unloading platform Two berthing dolphins Pedestrian walkways with pipe support Berthing fenders Quick release mooring hooks
Fertiberia, S.L. (Phosphoric acid/ compounds) jetty	A.P.H.	1975	Throughput: • Loading phosphoric acid - 200 to 250 tonnes/hour • The company currently using this is Fertiberia S.L..
Atlantic Copper, S.L.U. north jetty	ATLANTIC COPPER, S.L.U.	2010	One 14" pipeline for loading sulphuric acid Throughput depending on the vessel
Fertiberia, S.L. (Fertiliser) jetty	A.P.H.	1966 1999	An ammonia pipeline (loading/unloading) 200 to 250 tonnes/hour Conveyor belt for loading (NPK, DAP, MAP fertilisers) 300 to 400 tonnes/hour The company currently using this is Fertiberia S.L..
Single buoy crude oil terminal	CEPSA	1966	Draught: 16.50 m 3,800 tonnes/hour

Location	Owner	Year of manufacture	Characteristics
Arenillas Tower Oil Tanker Quay	A.P.H.	1966	8 loading arms per berth South berth: • 5 loading arms • 1 arm for deballasting • 1 arm for loading liquefied gases • 1 loading arm for vapour return Berth N: • 5 loading arms • 1 arm for deballasting • 1 loading arm for benzene • 1 loading arm for cyclohexane Throughput: • Heavy products and medium distillates: 1000 m^3/h • Benzene and cyclohexane: 250 m^3/h • Liquefied gases: 250 m^3/h • Gasoline/petrol: 700 m^3/h The only company using this installation at present is Cepsa
Atlantic Copper, S.L.U. jetty TNP-2	ATLANTIC COPPER, S.L.U.	1975	Throughput: • 200 mm pipeline for sulphuric acid or 250 m^3/h

Location	Owner	Year of manufacture	Characteristics
Reina Sofía Jetty	CEPSA	1976	Four Berths Berth E: • 2 x 12" lines for benzene and ballast • 4 x 14" lines for fuel oil, asphalt, vegetable oil and biodiesel • 6 x 8" lines for phenol, acetone, propylene, methanol, soda and benzene • 1 x 4" line for return • 1 x 10" line for Petrosol Berth O: • 2 14" lines for fuel oil and asphalt • 8" arm on East berth - 1 x 12" line for ballast • 8" arm on West berth - 4 x 8" lines for phenol, acetone, propylene and cumene • 1 x 4" line for return • 1 x 6" line for A.M.S. Berth C: • 1 x 10" line for ethanol • Two 6" loading arms on West berth - 1 x 8" line for methanol 4th Berth: • 3 x 12" lines for VGO, ballast and naphtha • 4 x 14" lines for fuel oil, asphalt, vegetable oil and biodiesel • Throughput depending on the vessel
Levantino-Aragonesa de Tránsitos, S.A. jetty	Levantino-Aragonesa de Tránsitos, S.A.	1981	One 8" pipeline for unloading phosphoric and sulphuric acid Throughput depending on the vessel
Atlantic Copper, S.L.U. jetty TNP-1	ATLANTIC COPPER, S.L.U.	1984	One 14" pipeline for loading/unloading sulphuric acid and caustic soda Throughput depending on the vessel
South Quay	A.P.H.	1987	One Roll-On Rol-Off ramp for vessels Capacity: 2 vessels. Width: 27.51 m. Length: 50.40 m
Enagas, S.A. jetty	ENAGAS, S.A.	1988	Two arms for unloading LNG at 2,000 m^3/h c.u. Arm for handling LPG Four 16" arms for LNG One loading arm for vapour return

Location	Owner	Year of manufacture	Characteristics
Decal España North jetty	DECAL ESPAÑA, S.A.	1995	Five arms for loading/unloading liquid fuels One of 1.250 m3/h for diesel fuel One of 750 m^3/h for gasoline/petrol One of 800 m^3/h for cyclohexane One of 1,250 m^3/h for oil One 600 m^3/h hose for methanol
Decal España South jetty	DECAL ESPAÑA, S.A.	2009	Five arms for loading/unloading liquid fuels One of 1,250 m^3/h for diesel fuel One of 1,250 m^3/h for oil One of 1,250 m^3/h for methyl ester One of 1,250 m^3/h for fuel One of 600 m^3/h for methanol
Decal España South jetty 2	DECAL ESPAÑA, S.A.	2021	Six arms for loading/unloading liquid fuels
Impala quay	IMPALA TERMINALS HUELVA, S.L.	2015	Length: 240 m Dead weight: 80,000 DWT Conveyor belts for loading/unloading metal concentrates of 1000 tonnes/hour

Auxiliary material for loading, unloading and transportation

Material Type	Owner	N.º	Power used	Characteristics
Conveyor Belt Feedera	Bergé	1	Electrical	350m^3
Forklift trucks	Bergé	1	Diesel fuel	12 tonnes
Forklift trucks	Ership	1	Diesel fuel	3 tonnes
Forklift trucks	Ership	1	Diesel fuel	3.5 tonnes
Forklift trucks	Ership	1	Diesel fuel	7 tonnes
Forklift trucks	Ership	1	Diesel fuel	8 tonnes
Conveyor belts	Bergé	1	Electrical	500 tonnes/hour
Conveyor belts	Bergé	1	Electrical	TAIM-TFG
Automatic Clamshell Buckets	Ership	13		
Automatic Clamshell Buckets	Bergé	2		40 m^3

Material Type	Owner	N.º	Power used	Characteristics
Automatic Clamshell Buckets	Bergé	1		35 m^3
Automatic Clamshell Buckets	Servimad	1		40 m^3
Bulk hopper	Servimad	1	Electrical	140 m3
Loaders	Servimad	1	Diesel fuel	950G
Loaders	Bergé	1	Diesel fuel	L35B
Loaders	Bergé	1	Diesel fuel	L70D
Loaders	Bergé	1	Diesel fuel	L70E
Loaders	Bergé	1	Diesel fuel	L70F
Loaders	Bergé	1	Diesel fuel	L180E
Automatic grab bucket	Bergé	1		40m^2
Bulk hopper	Ership	2	Elecrtical	150 tonnes
Bulk hopper	Bergé	2	Electrical	150 tonnes
Bulk hopper	Bergé	2	Electrical	300 tonnes
Loaders	Bergé	2	Diesel Fuel	L150F
Loaders	Bergé	7	Diesel Fuel	L180H
Loaders	Bergé	1	Diesel Fuel	L110F
Loaders	Ership	9	Diesel Fuel	L150G
Loaders	Ership	3	Diesel Fuel	L110G
Conveyor Belt Feeder	Congrasur	1	Electrical	350m132
Conveyor belts	Congrasur	1	Electrical	600 tonnes/h
Conveyor belts	Congrasur	1	Electrical	900 tonnes/h
Loaders	Congrasur	2	Diesel Fuel	L150H
Loaders	Congrasur	2	Diesel Fuel	L120H
Loaders	Congrasur	1	Diesel Fuel	L120E

Material Type	Owner	N.º	Power used	Characteristics
Loaders	Congrasur	1	Diesel Fuel	L180C
Loaders	Congrasur	1	Diesel Fuel	L120G
Forklift trucks	Algeposa	1	Diesel Fuel	5 tonnes
Forklift trucks	Algeposa	1	Diesel Fuel	40 tonnes
Automatic Clamshell Buckets	Algeposa	1		70m³
Automatic Clamshell Buckets	Algeposa	1		52m³
Automatic Clamshell Buckets	Algeposa	1		47.5m³
Automatic Clamshell Buckets	Algeposa	1		42.5m³
Automatic Clamshell Buckets	Algeposa	1		33m³
Automatic Clamshell Buckets	Algeposa	1		28m³
Automatic Clamshell Buckets	Algeposa	1		23.5m³
Automatic Clamshell Buckets	Algeposa	1		16m³
Automatic Clamshell Buckets	Algeposa	1		12m³
Loaders	Algeposa	1	Diesel Fuel	L90E
Loaders	Algeposa	1	Diesel Fuel	L150E
Loaders	Algeposa	1	Diesel Fuel	L150E
Loaders	Algeposa	1	Diesel Fuel	L120C
Loaders	Algeposa	1	Diesel Fuel	L180E
Loaders	Algeposa	1	Diesel Fuel	L120D
Loaders	Algeposa	1	Diesel Fuel	L220E
Loaders	Algeposa	1	Diesel Fuel	L180F
Loaders	Algeposa	1	Diesel Fuel	L110F
Automatic Clamshell Buckets	Algeposa	1		40 m3
Automatic Clamshell Buckets	Algeposa	1		8 m³

Material Type	Owner	N.º	Power used	Characteristics
Backhoe loader	Algeposa	1	Diesel Fuel	40 MTC
Hydraulic hopper	Algeposa	1	Electrical	50 tonnes
Tractor unit	Yilport Huelva	9	Diesel Fuel	450 CV
Forklift trucks	Yilport Huelva	1	Diesel Fuel	16 tonnes
R.Stacker	Yilport Huelva	5	Diesel Fuel	CS45

Other auxiliary material

Material Type	Owner	N.º	Power used	Characteristics
Sweeper	Ership	1	Diesel fuel	2500ACH
Drum Loader	Zalviport	1	Diesel fuel	
Lifting Platform	Ership	2	Diesel fuel	HA 16 DX
Towing Platform	Yilport Huelva	8		
Articulated Platform	Algeposa	1	Electrical	50 tonnes
Lifting Platform	Bergé	1	Electrical	20PX
Lifting Platform	Zalviport	1	Electrical	6x4 m^3
Lifting Platform	Zalviport	1	Electrical	3x4 m^3
Electric Pallet Truck	Zalviport	7	Electrical	2 tonnes
Sundry vehicles	Bergé	1	Diesel fuel	Automatic

Floating equipment

Dredgers

Not applicable

Tugs

Name	Owner	Power used	Length (m)	Beam (m)	Draught (m)	Power (HP)	Year of manufacture
V.B. Cierzo	Auxmasa - G. Boluda	Diesel fuel	29.50	11.00	4.00	5,230	2002
V.B. Bora	Auxmasa - G. Boluda	Diesel fuel	29.50	11.00	4.00	5,230	2001
V.B. Huelva	Auxmasa - G. Boluda	Diesel fuel	29.50	11.00	4.00	4,080	1995
V.B. Talisman	Auxmasa - G. Boluda	Diesel fuel	32.50	11.50	4.00	5,163	2000
Sertosa Cinco	Auxmasa - G. Boluda	Diesel fuel	26.80	7.70	3.88	2,250	1967
V.B. Bravo	Auxmasa - G. Boluda	Diesel fuel	35.50	13.00	6.70	8,150	2009
Yarcla*	Feramar Remolcadores, S.L.	Diesel fuel	15.00	5.50	2.39	550	1999
Yarcla Cinco	Feramar Remolcadores, S.L.	Diesel fuel	22.00	7.00	2.90	2,200	2000
Yarcla Quince	Feramar Remolcadores, S.L.	Diesel fuel	25.00	7.20	2.84	1,220	1963
Yarcla Diez	Feramar Remolcadores, S.L.	Diesel fuel	14.00	4.64	3.50	480	1967
Río Coa	Amarre y Desamarre Molina e Hijos, S.L.	Diesel fuel	15.87	4.67	1.62	365	1965
Gogor	Amarre y Desamarre Molina e Hijos, S.L.	Diesel fuel	26.80	7.91	3.97	2,030	1977
Aitor Uno	Amarre y Desamarre Molina e Hijos, S.L.	Diesel fuel	21.50	7.15	3.80	1,400	1978

***Fitted with a 2.5 tonne crane.**

Dump Scows, Lighters and Barges

Name	Owner	Power used	Power (HP)	Length (m)	Beam (m)	Draught (m)	Year of manufacture
Yarcla Seis	Feramar Remolcadores, S.L.	Diesel oil		20	7.20	3.15	2005
Oizmendi	Itsas Gas Bunker Supply, S.L.	Diesel oil	1,074	80	15	5.25	2009
Galileo J.	Sermalub, S.L.	Diesel oil	194	20	5.48	2.59	1966
Cisterna Dos	Amasur, S.L.	Diesel oil	240	15	5	2.50	1978
Otani	Amasur, S.L.	Diesel oil	400	22	6.18	3.16	1979
Green Huelva	Amasur, S.L.	Diesel oil	564	19.25	8.80	2.60	2018

Floating Cranes

Name	Owner	Power used	Characteristics	Characteristics of the work			Year of manufacture
				Force (tonnes)	Reach (m)	Height above sea (m)	
Pontodiel	Feramar Remolcadores, S.L.	Towing	Load: 250 tonnes	20	-	-	2009

Other auxiliary floating service equipment

Name	Owner	Type	Characteristics	Year of manu-facture
Punta del Sebo	Serodiel, S.L.	Catamaran	2 x 190 HP motors and length of 18.70 m	1997
Isla de Bacuta	A.P.H.	Catamaran	2 x 260 HP motors and length of 11.83 m	2004
Canoa de Punta Umbría	Tourdetania Tour, S.L.	Tourist tickets	24 m long and 6.28 m beam	
Villa de Palos	Serodiel, S.L.	Tourist tickets	2 x 102 kW motors and length of 15.33 m	1993

Name	Owner	Type	Characteristics	Year of manu-facture
Galatea	Serodiel, S.L.	Auxiliary vessel	2 x 238 HP motors and length of 16 m	1979
Segundo Castillo	Amarre y Desamarre Molina	Auxiliary vessel	325 kW and length of 22 m	1993
Yarcla Cuatro	Feramar Remolcadores, S.L.	Auxiliary vessel	1 x 280 HP motor and length of 9.5 m	2007
Yarcla Siete	Feramar Remolcadores, S.L.	Auxiliary vessel	2 x 177.2 CV motors and length of 14 m	
Yarcla Once	Feramar Remolcadores, S.L.	Auxiliary vessel	2 x 550 CV motors and length of 15 m	1993
Yarcla Doce	Feramar Remolcadores, S.L.	Auxiliary vessel	2 x 275 CV motors and length of 12.5 m	
Yarcla Catorce	Feramar Remolcadores, S.L.	Auxiliary vessel	2 x 240 CV motors and length of 14 m	1994

Land access and communications

Land access and inland communications

The main routes connecting the Port of Huelva with its hinterland are as follows:

- **A-472** Seville-Huelva.
- **A-49** Seville-Huelva-Ayamonte (motorway).
- **A-492** Aljaraque –N-431.
- **N-431** Huelva-Portugal (via Ayamonte).
- **N-435** Badajoz-Huelva.
- **N-442** Huelva-Mazagón.
- **H-624** From the Outer Port to San Juan del Puerto, bypassing Palos de la Frontera and Moguer.

The Port of Huelva is laid out in a linear manner along the Odiel estuary, where the traditional docks are laid out. These are accessed via urban roads such as Avenidas Norte, Sur, Sanlúcar de Barrameda, Real Sociedad Colombina Onubense and Tomás Domínguez Ortiz, and the Huelva estuary, which is home to the industrial installations of the outer port.

Avenida Francisco Montenegro and the bridge over the Tinto River join the inner quays with the outer port of Huelva, in such a way that both areas share common accesses, despite their different functions and the distance separating them.

The road connection with the Guadalquivir valley and the centre of the peninsula is via the A-49 to Seville, and from that point via the N-IV Andalusia dual motorway. Therefore, this road connects to the trunk roads in the state road network.

The connection between Portugal and the western area of Huelva is via the N-431 and the A-492, Fperpencwhich connect to the section of the A-49 dual carriageway between Huelva and Portugal.

The Ayamonte international bridge connects to the Portuguese road network, which runs from the border to the Algarve region via a motorway, which in turn is connected to the motorway to Lisbon. As far as traffic with Portugal is concerned, it should be noted that the only Portuguese port that deals with ships with a large draught is Sines, meaning that Huelva's area of influence for certain types of maritime traffic can include Portuguese regions of lower Alentejo and Algarve.

Moreover, traffic from the west can access the Port via the N-431 or the A-492. It has been identified that, when approaching the city, the traffic that goes to the inner quays accesses the city by the A-492 (Aljaraque to the N-431) instead of using the N-431 and Avda. Cristóbal Colón-Paseo Marítimo-Avda. Hispanoamérica, which is a significantly shorter route, as a result of which access to the port is gained from Aljaraque or Corrales over the new bridge on the River Odiel.

To go to the Outer Port, the traffic coming from the west is channelled along the N-431, bypassing the city to the north up to the A-49 branch road. which joins Huelva and then takes the south-east ring-road The connection to the N-435 (Badajoz - Huelva) is made from the Trigueros junction on the A-49. This motorway channels the access traffic to the city and the port in both directions, and is the the main route for accessing the industrial area of Huelva. The access to the outer port from the A-49 connects to the south-west ring road, a dual carriageway that acts as a bypass of the centre of Huelva, thus avoiding urban areas and coming out on the N-422, which provides access by dual carriageway to the outer port via the bridge over the River Tinto. The N-442 (Huelva-Mazagón) is the main thoroughfare for the outer port, and is particularly important for inner port and industrial traffic. This connection allows the transportation of hazardous goods.

When evaluating road accessibility to the Port of Huelva, it is necessary to stress the importance of local and regional traffic, as nearly 80% of the traffic originates from or is going to points within a 50 km radius, which relates to the industrial area adjacent to the port or the mining installations in the region.

The Port Authority of Huelva has a road network that serves its installations and service area well. The main artery is the roue made up of Avenida de Hispano América, Avenida Francisco Montenegro (the road to Punta del Sebo) and the Tinto Bridge, which link interior docks and the outer port. Traffic from Portugal, Extremadura or Seville has easy access to the service area from the A-49 motorway or CN-431. Local traffic also flows fluidly thanks to an adequate and sensible network of roads and highways.

The names and characteristics of the different roads for which the Authority is responsible are listed below:

Port	Zone	Description	Name of Road	Code	Length (m)	Width (m)	Surface type
INSIDE	1	Pol. Pesquero Norte and shipyard area	Almadraba Street	C.Z01.ALM	308	10.5	Flexible with asphalt road surface
INSIDE	1	Pol. Pesquero Norte and shipyard area	Alonso Ojeda Street	C.Z01.ALO	672	10.9	Flexible with asphalt road surface
INSIDE	1	Pol. Pesquero Norte and shipyard area	Arrastre Street	C.Z01.ARR	791	10.5	Flexible with asphalt road surface
INSIDE	1	Pol. Pesquero Norte and shipyard area	Cerco Street	C.Z01.CER	422	5.4/10.5	Flexible with asphalt road surface
INSIDE	1	Pol. Pesquero Norte and shipyard area	Enlace Avenue	C.Z01.ENL	398	10.9	Flexible with asphalt road surface
INSIDE	1	Pol. Pesquero Norte and shipyard area	Unión Alonso Ojeda Street with Molino Avenue	C.Z01.MOL	55	11.5	Flexible with asphalt road surface
INSIDE	2	Levante Quay Surroundings	Hispanoaméri-ca Avenue	C.Z02.HIS	1,324	13.4	Flexible with asphalt road surface/ concrete
INSIDE	2	Levante Quay Surroundings	Norte Avenue	C.Z02.NOR	181	16.4	Flexible with asphalt road surface
INSIDE	2	Levante Quay Surroundings	Real Colombina Onubense Ave-nue	C.Z02.RSO	128	7.5	Flexible with asphalt road surface
INSIDE	2	Levante Quay Surroundings	Sanlucár de Barrameda Avenue	C.Z02.SLU	166	7.5	Flexible with asphalt road surface
INSIDE	2	Levante Quay Surroundings	Levante Dock Pavement	M.LEV.PAV	1,324	80/ variable	Rigid with concrete road surface and paving stone
INSIDE	3	P.I. Punta del Sebo	Cristobal Do-nante Street	C.Z03.CRI	1,386	7	Flexible with asphalt road surface

Port	Zone	Description	Name of Road	Code	Length (m)	Width (m)	Surface type
INSIDE	3	Francisco Montenegro Avenue	Francisco Montenegro Avenue	C.Z03.FCO	4,760	20.67	Flexible with asphalt road surface/ concrete
INSIDE	3	P.I. Punta del Sebo	Unnamed Street	C.Z03.IOC	553	7/18	Flexible with asphalt road surface
INSIDE	3	Francisco Montenegro Avenue	Monumento a la Fe Descubridora rd.	C.Z03.MON	258	7	Flexible with asphalt road surface
INSIDE	3	P.I. Punta del Sebo	Sabina Negral. TR0 Street	C.Z03.TR0	789	7	Flexible with asphalt road surface
INSIDE	3	P.I. Punta del Sebo	Joaquín Turina-TR1 Street	C.Z03.TR1	949	7	Flexible with asphalt road surface
INSIDE	3	P.I. Punta del Sebo	Isaac Albeniz-TR2 Street	C.Z03.TR2	621	7	Flexible with asphalt road surface
INSIDE	3	P.I. Punta del Sebo	Calderón de la Barca-TR3	C.Z03.TR3	821	7	Flexible with asphalt road surface
INSIDE	3	P.I. Punta del Sebo	TRANSVERSAL 4	C.Z03.TR4	621	7	Flexible with asphalt road surface/ concrete
INSIDE	3	P.I. Punta del Sebo	TRANSVERSAL 5	C.Z03.TR5	840	7	Flexible with asphalt road surface
INSIDE	3	Francisco Montenegro Avenue	Margen Izq. Odiel crosswalk	C.Z03.VER	3,550	8.4	Flexible with asphalt road surface
INSIDE	3	P.I. Punta de Sebo	ZAL	C.Z03.ZAL	409	10.9	Flexible with asphalt road surface
OUTSIDE	4	Puerto Exterior P.I. Surroundings. New Port	Costera rd.	C.Z04.CCO	6,700	7/18	Flexible with asphalt road surface

Port	Zone	Description	Name of Road	Code	Length (m)	Width (m)	Surface type
OUTSIDE	4	Puerto Exterior P.I. Surroundings. New Port	Posterior rd.	C.Z04.CPO	7,156	18/9	Flexible with asphalt road surface
OUTSIDE	4	Puerto Exterior P.I. Surroundings. New Port	Perpendicular 1 Street (BERGÉ)	C.Z04.PP1	261	7	Flexible with asphalt road surface
OUTSIDE	4	Puerto Exterior P.I. Surroundings. New Port	Perpendicular 2 Street(García Munté)	C.Z04.PP2	256	7	Flexible with asphalt road surface
OUTSIDE	4	Puerto Exterior P.I. Surroundings. New Port	Perpendicular 3 Street(CALLE A)	C.Z04.PP3	233	7	Flexible with asphalt road surface
OUTSIDE	4	Puerto Exterior P.I. Surroundings. New Port	Perpendicular 4 Street(DECAL)	C.Z04.PP4	246	7	Flexible with asphalt road surface
OUTSIDE	4	Puerto Exterior P.I. Surroundings. New Port	Public apartment next to MIJG	C.Z04.PR1	800	9	Rigid - concrete
OUTSIDE	4	Puerto Exterior P.I. Surroundings. New Port	Bar Nuevo Puerto Apartment	C.Z04.PR2	100	50/ variable	Flexible with asphalt road surface
OUTSIDE	4	Puerto Exterior P.I. Surroundings. New Port	Palos-Rábida Street	C.z04.RAB	200	18	Flexible with asphalt road surface
OUTSIDE	4	Puerto Exterior P.I. Surroundings. New Port	Bridge of Tinto (N-442)	C.Z04.TIN	915	14	Rigid (concrete) with asphalt roadway
OUTSIDE	4	Puerto Exterior P.I. Surroundings. New Port	Pavement of the Ciudad de Palos Pier	M.CIP.PAV	250	40/ variable	Flexible with asphalt road surface

Port	Zone	Description	Name of Road	Code	Length (m)	Width (m)	Surface type
OUTSIDE	4	Puerto Exterior P.I. Surroundings. New Port	Pavement of the Ing. Juan Gonzalo Pier	M.IJG.PAV	950	15/ variable	Rigid - concrete
OUTSIDE	4	Puerto Exterior P.I. Surroundings. New Port	Pavement of the Minerales Pier	M.MIN.PAV	600	35/ variable	Flexible with asphalt road surface
OUTSIDE	4	Puerto Exterior P.I. Surroundings. New Port	Pavement of Petrolero Pier	M.PTR.PAV	150	3.6	Rigid - concrete
OUTSIDE	4	Puerto Exterior P.I. Surroundings. New Port	Pavement of Remolcadores Pier	M.REM.PAV	100	15	Flexible with asphalt road surface
OUTSIDE	4	Puerto Exterior P.I. Surroundings. New Port	Pavement of South Pier	M.SUR.PAV	750	80/ variable	Flexible with asphalt road surface
OUTSIDE	4	Puerto Exterior P.I. Surroundings. New Port	Villafría industrial estate	-	-	-	Flexible with asphalt road surface
DOCK	5	Juan Carlos I Dock	Juan Carlos I Road (PK 0+00 al 14+310)	C.Z05.DIQ	14,310	10	Flexible with asphalt road surface
DOCK	5	Juan Carlos I Dock	Juan Carlos I dock Road (PK 14+310 al 24+210)	C.Z05.DIQ	9,900	5.7	Rigid - concrete
				TOTAL	**65,203**		

Railway access to the Port of Huelva is via a branch line of the Seville-Huelva line on the General Interest Railway Network, which is also linked to the Huelva-Zafra line.

This line services the industrial part of the inner port on its east and west sides, the Inginiero Juan Gonzalo Quay in the outer port and the linked industrial area (Nuevo Puerto Industrial Estate, Refinery, etc.).

The Zafra-Huelva line is the start of the Zafra-Jerez de los Caballeros branch line for freight, by means of which the Gallardo group (steel and cement) is supplied with scrap metal and clinker.

The distances from Huelva to the railway centres mentioned are:

- Huelva-Seville **109 Km**
- Huelva-Zafra **179 Km**

MAP OF INNER COMMUNICATIONS AND LAND ACCESS

See General Map of the Port of Huelva

Installations for specific traffic types

Brief description

This section completes section **"Special loading and unloading installations"** of this report and is dedicated to special loading and unloading installations, as a result of which the data on the characteristics of the installations it contains will not be repeated.

From the interior of the Ría del Odiel and listing them in the order in which they are physically located, **the Port of Huelva has the following facilities for specific traffic types:**

FERTIBERIA, S.A. (Phosphoric acid/compounds) jetty

This jetty, built in 1972 by Fosfórico Español, S.A. is currently used for acids.

Atlantic Copper, S.L.U. north jetty

This one-berth jetty was built in 2010 by Atlantic Copper, S.A. It has a draught of 6.50 m and a 14" pipeline for loading sulphuric acid.

FERTIBERIA, S.A. (Fertilisers) jetty

Built in 1966 and, like the two jetties above, on the left bank of the River Odiel, this jetty is equipped for loading ammonia and also has a conveyor belt for loading fertilisers.

Arenillas Tower Oil Tanker Quay

Built by the Administration in 1968, it has two independent berth that are used for the traffic of petroleum and petrochemical products, and mainly for loading/unloading refined products from/to CEPSA's "La Rábida" Refinery.

Impala, S.L. Quay

This quay was built in 2015. It has a draught of 13 m and conveyor belts for loading/unloading metal concentrates with a capacity of 1,000 tonnes/hour.

Atlantic Copper, S.L.U. jetty TNP 2

This jetty, which was built in 1975 by A.I.E.S.A, has pipeline installations for transferring sulphuric acid from the Atlantic Copper, S.L.U. factory.

Atlantic Copper, S.L.U. jetty TNP 1

This one-berth jetty, which is located between the Levantino Aragonesas de Tránsitos, S.A. jetty and the Atlantic Copper, S.L.U.,TNP 2 jetty, came into service in 1984. It has a draught of 10 m and has a 14" pipeline for transferring sulphuric acid.

Levantino Aragonesas de Tránsito, S.A. (formerly Fertinagro Sur, S.L.) jetty

This one-berth jetty is located between the Atlantic Copper, S.L.U. TNP 1 jetty and the Enagás jetty and came into service in 1981. It has a draught of 9.7 m and is equipped so that it can be expanded in the future. It has an 8" pipeline for transferring phosphoric and sulphuric acids.

Enagás, S.A. jetty

This jetty, built by ENAGÁS between the Levantino Aragonesa de Tránsitos, S.A. (formerly Fertinagro Sur, S.L.U.) jetty and the Reina Sofía jetty for loading and unloading large vessels, came into service in 1988. It has a berth with a 12 m draught, equipped with loading arms and a pipe network that connects it to the rest of the installations in the natural gas terminal. Its unloading capacity for the quay is 4,000 m3/h of LNG.

Reina Sofía Quay

This quay is for loading and unloading bulk liquid. It was built in 1976 by U.E.R.T.S.A., now CEPSA, and is made up of an access gangway and four docking platforms. The four outer berths are equipped with the corresponding loading arms for liquid traffic.

Decal España, S.A. north jetty

This jetty was built in 1995 by Catalana de Almacenajes Petrolíferos, S.A (now Decal España, S.A.) for unloading petrol and diesel products. This installation is also equipped with a loading/unloading arm for cyclohexane, one for oil and a hose for unloading methanol. It is located to the south of the Reina Sofia quay. It has a draught of 11.50 m (MLWS) and is made up of a gangway and platform, two berthing dolphins and four for mooring, Piled foundation concrete structure.

Decal España, S.A. south jetty

This jetty was built in 2009 by Decal España, S.A. para for loading/unloading vegetable oils. This installation is also equipped with a loading/unloading arm for diesel, one for methyl ester, one for methanol and one for fuel. It is located to the south of the Reina Sofia jetty. It has a draught of 12.50 m (MLWS) and is made up of a gangway and platform and four berthing dolphins. Piled foundation concrete structure.

Decal España, S.A. south jetty (2)

This jetty was built in 2021 to replace the previous pier for mooring bunkering barges and will be used for loading and unloading commercial operations with larger vessels. The facility, jutting out around 100 m from the coastline, has two mooring and loading/unloading platforms, three berthing dolphins, pedestrian gangways, mooring fenders and quick release hooks.

Roll-on/roll-off ramp on the South Quay

This ramp, which is currently owned by the Port Authority of Huelva, was built in 2011 by Naviera Armas, S.A., for ROPAX and roll-on roll-off vessels. A new regular line from Huelva to the Canary Islands has been started up with this installation. The ramp is 27.51 m wide and 50.40 m long, with the capacity to service two vessels.

Single buoy Terminal

With a 22-metre draught on the chart, making it usable for vessels with a maximum draught of 16.50 metres, and linked to CEPSA's "La Rábia by a sea-line, there is a monobouy for receiving crude oil, with a maximum output of 3,800 Tm/h