



# GAC Uruguay

## A Guide to Tanker Operations



Delivering your strategy.

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# 1. GAC Uruguay

## 1.1 About GAC Uruguay

GAC Uruguay offers a complete range of shipping services at all major ports throughout the country.

With its main office located in the Port of Montevideo, GAC Uruguay is located in the strategic commercial hub in Ciudad Vieja at Block 6 from the main port. We are well-positioned to support your traditional and specialised shipping needs including ship agency, husbandry, supply services, crew transfers, bunker fuels and more.

The strategic location of Uruguay along the East Coast of South America (ECSA) allows GAC to focus on the growing offshore oil & gas product tanker services with an extensive range of services to FPSOs and any oil & gas related vessel.

## 1.2 Services

- Bunker Fuels
- FSO / FPSO Support
- Husbandry Services
- Protecting Agency
- Ship Agency

## 2. Port of Montevideo

Source: [ANP](#)

### 2.1 Overview

The Port of Montevideo is located on the left bank of the River Plate at a latitude of 34°55'S and a longitude of 56°14'W.

Apart from the oil terminal, the current port facilities are on the Eastern shore of the Bay of Montevideo. New developments are planned on the northern and western sides.

The port is protected by the 1,300m Western Breakwater and the 900m Eastern Breakwater which shield it from winds from the SW (Pampero) and SSE. Further protection is provided by an offshore breakwater just in front of the operating quays.

The water area of the port is divided into three basins (Dársena Fluvial, Dársena I and Dársena II). The land area covers about 100ha, of which nearly half is operational. Projects are underway to expand this further.

### 2.2 Free Port Services

- Repacking, groupage and breakbulk
- Consolidation and deconsolidation of cargo
- Sorting and rebranding
- Break down cargo into smaller consignments
- Remove national or nationalised merchandise
- Warehousing and storage
- Transshipment
- Transport to other ports or Free Zones
- Financial services

## 2.3 Quays

QUAY	LENGTH	DRAUGHT	WAREHOUSES	CRANES	USES
Muelle de Escala	638	10.0 –14.5	Logistics centre – 1.700 sqm	8 container cranes	Containers
Muelle Fluvial	353	5.0			Navy
Rinconada Darsena Fluvial	87	5.0			
Muelle Maciel	382	5.0			Passengers
Cabecera (Head) Muelle A	50	10.0			
Muelle A (Berths 1-2)	303	10.0	1-2		
Muelle Central Darsena 1 (Berths 3- 5)	492	10.0	3-5	5 cranes (3-6t)	Reefer / Ro-Ro
Muelle B Darsena 2 (berths 6-7)	294	10.0		2 cranes (40t)	Grain / bulk containers
Cabecera (Head) Muelle B	148	10.0		2 cranes (12.5t)	Grain
Muelle B Darsena 2 (berths 8-9)	327	10.0			Grain / Bulk / Ro-Ro
Muelle Central Darsena 2 (berths 10-11)	392	5.0	Cold storage - 11 (26,000 cbm)	1 crane (3-6t)	Reefer
Muelle C	380	14			Grain / bulk containers
Muelle Florida	53	5.0			
Muelle Mantaras	600	5.0			Fishing vessels
La Teia Oil N	96	9.02			Oil products
La Teia Oil S	248	6.70			Oil products / gas / LPG
La Teia Oil W		4.27			Coasters

## 2.4 Draughts

Depth of access channel	12m
Maximum depth at pier	14m
Port area	103 ha
Complementary area – Puntas de Sayago (under construction)	110 ha
Length of docks in multi-purpose ports and containers	4.100m

## 3. La Teja Terminal

Source: [ANCAP](#)

### 3.1 Overview

La Teja Terminal, a dedicated facility for petroleum products, serves the state-owned ANCAP oil refinery. Its operating quay is on the north side of the Bay of Montevideo. Ships enter La Teja basin via a dedicated access channel.

There are three berthing quays with a maximum length of 248m and a draught alongside of 9.0m.

The terminal is equipped to discharge crude oil, petroleum products and liquefied petroleum gas (LPG). Most products are discharged at rates of between 300 and 1,200cbm per hour, while LPG is discharged at a maximum pressure of 20mg per sq cm. In addition, there are facilities for bunkering tankers and provision of fresh water, as well as disposal of slops.

### 3.2 Capacity

North, South and West docks allows docking of ships of up to 190m in length in the North and South and 110m in the West. It has five tie-down posts, seven manifolds for loading and unloading refined liquid fuels for oil and lubricating oils and one manifold for reception and loading of LPG.

## 4. Port of Puerto La Paloma (Rocha)

Source: [Visión Marítima](#)

### 4.1 Overview

The port is located in the eastern part of Uruguay, over the Atlantic Ocean waters, at Cape Santa Maria and with land access from the junction of national routes 10 and 15, at a distance of 240km from Montevideo. The position of the port is 34° 38.84'S, 54° 08.76'W (harbour entrance).

Five STS delimited areas with dedicated shore services attend to vessels and operational needs.

Currently, it mainly serves fishing, navy and sport vessels. The ANCP was recently entrusted with the functions of administration, conservation and development of the Port of La Paloma.

The activities of the port is focused on the loading of wooden logs to transport them by ship to the Port of Fray Bentos, as well as activities of supply vessels for offshore operations. The different commercial opportunities in this port are being analysed and explored.

## 5. Jose Ignacio Buoy

Source: [ANCAP](#)

### 5.1 Pipeline

It consists of a pipe 180 km long and 40cm in diameter, covered and with cathodic protection. It is located underground and parallel to the Interbalnearia route.

An intermediate pumping station is planned at a height of 70 km. The oil is received in tanks at the La Teja plant designed for that purpose. Two tanks of 500kW power each are located at Terminal del Este and 12,700m<sup>3</sup> / day can be pumped.

### 5.2 East Terminal

Oil is offloaded at Terminal del Este, in José Ignacio, Department of Maldonado. All the crude oil that reach the country in oil tankers is discharged.

The advantage of this terminal is that crude can be received directly from supertankers of approximately 150,000 m<sup>3</sup> thereby reducing the cost of freight.

### 5.3 Marine Installations

#### - Oil Buoy

- Monobuoy of steel of 10m of diameter with a single point mooring design
- Mooring capacity for ships up to 150,000 DWT displacement
- Six chains with anchors of 22t each, two mooring lines 55m in length and 40cm of ore (circumference)
- Floating hoses: two lines 230 m long, 30, 40, 50 and 60 cm in diameter, for 21 kg / cm<sup>2</sup>, with double carcass.
- Underwater hoses: 2 x 50 cm double anti-spill casing underwater pipeline 3,600 m long x 90 cm in diameter, steel wall 12 mm thick, externally coated with 11 cm reinforced concrete
- The depth of the ocean in the area of the buoy is 19m
- The buoy is 10m in diameter and located 3,600m from the coast
- It is connected on one side to the tankers with 2 lines of floating hoses of approximately 250m in length and 50 cm in internal diameter (average) and on the other to the tank park by a steel pipe 90 cm (36 ") in internal diameter seated at the bottom of the sea



Two ANCAP ships, ANCAP VII and ANCAP VIII, manage the coupling operations and other maneuvers. They also have fire fighting equipment, mechanical foam generator and antipollution equipment to control oil spills in the sea of up to 1,000 m<sup>3</sup>.

- Support Boats
  - ANCAP VII 21m in length, beam 6.8m and 600Hp power
  - ANCAP VIII 15m in length, beam 4.8m and 600 HP of powerBoth have elements of combat of spills and fires, application of dispersants, etc.

## 6. Husbandry Zones – Montevideo Roads

Source: [PNN \(zonas\)](#)

### 6.1 Overview

In addition to providing husbandry services while a vessel is in port, there are three different zones where such activities can be developed. They are strategically delimited for quality service and cost reduction.

### 6.2 Zone Areas

- Services Area
  - 35° 01' 33" S / 056° 04' 12" W
  - 35° 02' 27" S / 055° 59' 24" W
  - 35° 04' 51" S / 056° 04' 12" W
  
- Alpha Zone
  - 35° 06' 30" S / 35° 09' 30" S
  - 055° 37' 12" W / 055° 45' 18" W
  
- Delta Zone
  - 35° 04' S / 35° 06' S
  - 055° 11' W / 055° 16' W