

MARITIME SERVICES BETWEEN BRAZIL AND SAUDI ARABIA

EMBASSY OF BRAZIL

Riyadh, Saudi Arabia



27 September 2023

FORWARD...

This report is an overview of the maritime service between Brazil and Saudi Arabia with primary data about the type and volume of cargo moving between the two countries and on the maritime sector in Saudi Arabia, including recent developments. The data and information were gathered from official and relevant sources, believed to be authentic. However, this report is for general information and quick reference on the sector.

Saudi Arabia joined the International Maritime Organization (IMO) in 1969, six years after Brazil joined the IMO, and has been an active member, taking part in the IMO initiatives, including financial commitments.

The seaports in Saudi Arabia are being modernized with an estimated investment of US\$ 8 billion. In the Container Port Performance Index for 2022, the King Abdullah Port ranked 1 out of 370 global ports, the Jeddah Islamic Port ranked 8, and the King Abdul Aziz Port ranked 14. These exceptional scores reflect the outstanding performance of Saudi ports within the maritime transport sector, which analysts highlight as one of the outcomes of Saudi Arabia's diversification strategy as part of its Vision 2030 goals.

The country is committed to developing maritime trade by expanding into new economic cities and digitalizing vessel operations. In the Maritime Connectivity Index in 2021, the country was ranked 20th globally in the maritime transport industry. According to reports, the maritime sector in Saudi Arabia has doubled in the past decade, with 53,000 ships operating within it registered in over 150 countries carrying 11 billion tons of cargo annually.

In addition, Saudi Arabia is one of the key partners of the MoU signed for the planned India-Middle East-Europe Economic Corridor (IMEC) during the G-20 summit held in India in September 2023.

I hope this report will be helpful for the readers to get a basic idea of the maritime trade between Brazil and Saudi Arabia and about the Saudi maritime service sector and seaports.

Yours sincerely,

SÉRGIO E. BATH

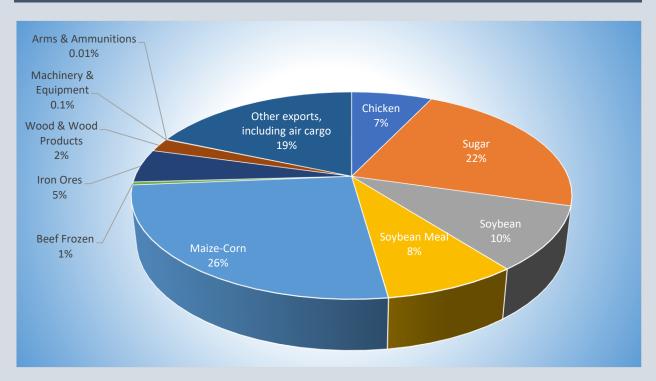
Ambassador of Brazil to the Kingdom of Saudi Arabia and the Republic of Yemen

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CARGO FROM BRAZIL TO SAUDI ARABIA

Items and Volume in 2022



Products	Volume in Tons, in 2022		
Chicken	341,131		
Sugar	1,082,036		
Soybean	480,616		
Soybean Meal	398,643		
Maize-Corn	1,245,620		
Beef Frozen	22,833		
Iron Ores	252,505		
Wood & Wood Products	101,065		
Machinery & Equipment	3,140		
Arms & Ammunitions	443		
Total of sea cargo	3,928,032		
Other exports, including air cargo	890,701		
Total Exports, including air cargo	4,818,733		

* Chilled beef exported by air in 2022 was 12,558 tons.

Types of Vessels

Multipurpose Vessels Dry Bulk Carriers

Major Shipping Lines between Brazil and Saudi Arabia

Bahri Saudi Arabia https://www.bahri.sa/

Hapag-Lloyd https://www.hapag-lloyd.com

ONE Line https://www.one-line.com

COSCO SHIPPING Lines https://lines.coscoshipping.com

Maersk https://www.maersk.com

Hamburg Sud https://www.hamburgsud.com/

MSC- Mediterranean Shipping Company https://www.msc.com/

Major Ports of Loading

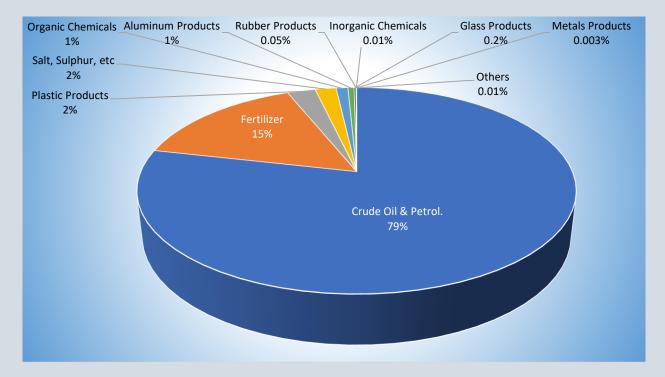
Rio de Janeiro, Santos, Salvador, Victoria da Conquista, Pecem

Major Ports of Unloading

Jeddah, Dammam, and King Abdulla Economic City

CARGO FROM SAUDI ARABIA TO BRAZIL

Items & Volume in 2022 in Tons



Products Volume in Tons, in 2022		
Crude Oil & Petroleum	5,244,029	
Fertilizer	1,025,261	
Plastic Products	164,365	
Salt, Sulphur, etc.	122,910	
Organic Chemicals	69,230	
Aluminum Products	36,352	
Glass Products	10,550	
Rubber Products	3,347	
Inorganic Chemicals	919	
Metals Products	212	
Other Products	485	
Total Cargo from Saudi Arabia to Brazil	6,677,660	

Type of Vessels

Very Large Crude-Oil Carriers (VLCCs) Chemical and Product Tankers Multipurpose Vessels

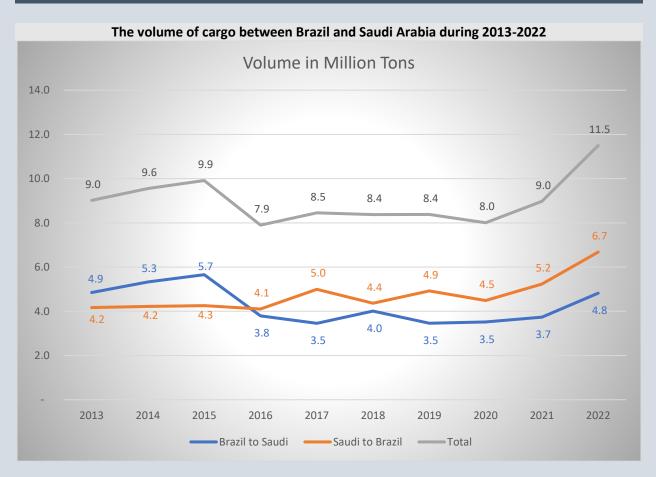
Major Ports of Loading

Jeddah, Dammam, Jubail, Yanbu, Ras Tanura, Jazan, and Ras Al-Khair

Major Ports of Unloading

Rio de Janeiro, Santos, Salvador

Historical data of the cargo movements



VESSELS ROUTE TO AND FROM SAUDI ARABIA

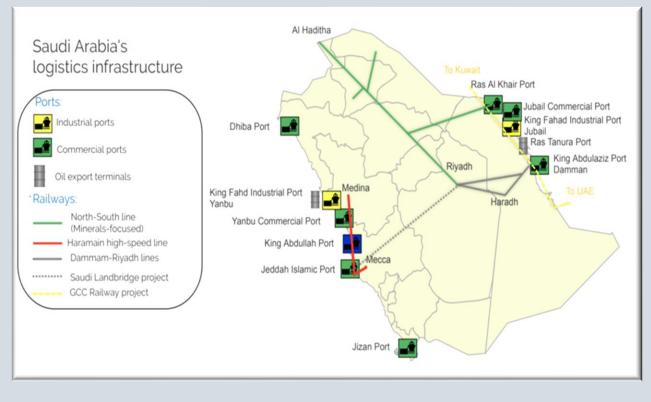
Kingdom Denmark Belarus Poland Germany Ukraine France Austria Kazakhstan Romania Italy Spain Kyrgyzstan Turkmenistan Greece Türkiye Portugal Syria Tunisia Afghanistan Iraq Morocco Iran Pakistan Algeria Libya Egypt Western di Arabia SAJED Cuba Oman Puerto Rico Mauritania Mali Niger Sudan Yemen Chad Burkina Faso Ghana Venezuela Guyana Surina icaragua Guinea Nigeria Ethiopia Colombia Somalia Kenya Gabon Ecuador DRC CE Tanzania AC Brazil Peru RO Zambia Mozambique Angola MT Bolivia Zimbabwe Namibia Madagascar Bots vana BF Chile South Africa Uruguay Argentina



THE WEST AND NORTHWEST COAST PORTS OF SAUDI ARABIA

SEAPORTS IN SAUDI ARABIA

Source: Saudi Ports Authority and Saudi Industrial Clusters



Jeddah Islamic Port

+966 12 6277777

Facilities at the Jeddah Islamic Port

The Port is located on the global shipping lines connecting three continents. It is the top port on the Red Seas for transit trade and transshipment of containers and cargo, with around 5,000 vessels received annually.

Sixty-two berths for handling passengers, containers, general cargo, bulk grains, vehicles, and livestock. There is a logistics park for bonded storage, a re-export zone with handling equipment, warehouses, refueling, open storage, and truck terminals, which help maximize the turnaround of vessels.

Following are the specialized terminals with equipment:

- Two container terminals, with 7.5 million TEUs combined capacity
- A fully integrated logistics village for the use of bonded storage and re-export use

- Two terminals for general cargo
- Two berths for vessel service and repair
- Livestock berths with seven million heads annual capacity and berths for marine services, such as tugging and guidance.
- Fully equipped terminals for pilgrims, tourists, and inbound/outbound travelers.

Area: 12.5km2 Berths: 62 Terminals:4 Capacity: 130m tons

King Abdulaziz Port in Dammam

Tel: +966138583199

Assets and Facilities

43 fully equipped berths with mega-ship capabilities

Fully operational services, modern cargo handling equipment, and container and general cargo support terminals

Other support terminals include a refrigerated cargo terminal and two cement terminals, one for black Portland cement and clinker exports and the other for white Portland cement. There is one bulk grain terminal, iron ore terminal, vessel building berth, and oil and gas terminals.

A vessel repair facility with two berths that can each handle a vessel up to 215 meters in length

Area: 19km2 Berths: 43 Terminals: 3 Capacity: 105m tons

King Fahad Industrial Port Yanbu

Tel: +966143967036

Assets and Facilities

The Red Sea's largest export outlet for Saudi Arabia's crude and refined petroleum and petrochemicals.

210 million tons annual capacity; 3 berths; comprehensive terminals; can accommodate up to 500,000-ton vessels. Area: 6.8 km2 Berths: 34 Terminals: 10 Capacity: 210 m tons

King Fahad Industrial Port in Jubail

+966 13 3960079

Assets and Facilities

Proximity to the Jubail Industrial City, King Fahad Industrial Port in Jubail, is the Kingdom's primary outlet for petrochemicals.

The King Fahad Industrial Port is the largest in the Middle East, with thirty-four berths.

Area: 6.8 km2 Berths: 34 Terminals: 5 Capacity: 70 m tons

Jubail Commercial Port

+966 13 3620600 Assets and Facilities of the Port

The Port has a fleet of service vessels, including guidance boats, mooring boats, and tugboats, enabling the vessels to maneuver in and out of the berths in any weather and without delay.

Area: 4.2 km2 Berths: 16 Terminals: 4 Capacity: 36 m tons

Yanbu Commercial Port

Tel: +966143987000

Assets and Facilities

Twelve berths capable of handling over 13.5 million metric tons annually

One 1,500-passenger terminal One general cargo terminal Two bulk silos, each with a 20,000t capacity A modern road network that connects the port to the Makkah, Madina, and Qassim regions makes it their primary point for inbound and outbound passengers and cargo.

Area: 4.2km2 Berths: 12 Terminals: 2 Capacity: 13.5 m tons

Jazan Port

Tel: +966173221389

Assets and Facilities

Proximity to trade routes between Europe, the Far East, the Arabian Gulf, and East Africa.

Twelve berths; 3 approach channels with assisted guidance to ensure the safety of inbound and outbound vessels; passenger terminals at Jazan Port and Farasan Island.

Area: 4.2 km2 Berths: 12 Terminals: 1 Capacity: 5m tons

Ras Tanura

Tel: +966144321072 Fax: +966144322679

Assets and Facilities of the Port

The Ras Tanura Port has a high operational capacity to receive 4,000 giant oil vessels yearly, in addition to shipping over 9 million barrels of hydrocarbons per day, and at the same time to load and unload 16 vessels, while the storage capacity of the port reaches over 50 mbd.

The capacity of Ras Tanura Port is 500 million tons. It hosts five specialized terminals with the latest equipment and 28 berths within the waters of the Arabian Gulf, divided into two areas: Ras Tanura and Al-Ju'aymah, where the Ras Tanura area includes the southern portage, the northern portage, the artificial island, and the portage. Al-Gharbia and the service berth, while the Al-Ju'aymah area has six single mooring buoys for loading crude oil and two berths for loading

liquefied gas. It also includes the Al-Ju'aymah terminal and another berth for non-commercial services.

A variety of petroleum products are handled through the port, with heavy, medium, and light Arab crude oil, lightest Arab crude oil, in addition to liquefied propane gas, liquefied butane gas, naphtha, jet fuel, gasoline 95, gasoline 91, diesel, and other fuels.

The export capacity is 6.5 million barrels, equivalent to 7% of the volume of global oil demand, and the refining capacity of Ras Tanura refinery is 525 thousand bpd, as well as an oil storage yard with a total of 33 million barrels and the port has four artificial islands that can load at the same time six tankers of 500 thousand tons.

Berths: 28 Terminals: 5 Capacity: 500 m tons The annual number of vessels: 4000

Ras Al-Khair Port

Tel: +966133448710

Assets and Facilities

Serves more than 100 manufacturing projects in and around Ras Alkhair.

Fourteen berths; fully equipped with assets to handle general and bulk cargo; resilience to deal with any disruption to shipping lines to and from Saudi Arabia.

Area: 23 km2 Berths: 14 Terminals: 1 (4 facilities) Capacity: 35 m tons

Dhiba Port

Tel: 966 14 432 4189

Port handles Ro-Ro, breakbulk, dry bulk, and containerized cargoes, including construction materials, industrial products, vehicles, food, etc.

The Port is also a significant passenger handling port for NW Saudi Arabia for ferries to and from Egypt. Port capacity 10,000,000 tones/year without and with container terminal 15,017,600 tones/year.

Location: In NW Saudi Arabia, 15.7 n.m. NW of Duba city, 245 n.m. NNW of Yanbu and 66 n.m. SSE of the Gulf of Aqaba. Duba (Dhiba or Dhuba) is the nearest Saudi Arabian port to the Suez Canal and other Egyptian ports.

King Abdullah Port

Tel: +966122339888.

The first private port was developed and owned by the Ports Development Company.

Facilities & Assets:

Marine Services, Container Terminal, RORO Terminal, Ro/Ro Hub, Bulk, Agri Bulk & General Cargo Terminal, Processing & Service Zone, Bonded & Re-Export Zone, Smart Gate System, and Railway Zone.

Specialized Marine Services:

The marine services at King Abdullah Port are provided by Specialized Marine Services Company (SMS), a joint venture company between the Ports Development Company (PDC) and National Port Services (NPS).

The services are Towage, Bunkering, Underwater Inspection, Survey and Inspection, and Consultancy.

INTERNATIONAL COOPERATION

Source: https://www.ksaimo.com/

Saudi Arabia joined IMO in 1969 and has ratified 40 conventions and protocols. Saudi Arabia is considered the first Arab country to complete the mandatory audit (IMSAS) in 2023 and also the the first country in the Middle East to earn the "Quality Shipping in the 21st Century' award in 2023.

In 2022, the country signed an agreement with IMO to fund US\$ 509,000 to reduce emissions and manage biofouling.

Saudi Arabia has also been a Council Member between 2021 – 2023, focusing on prioritizing the importance of Climate, Cooperation, and Seafarers.

Climate

The Saudi Green Initiative (SGI) and the Middle East Green Initiative (MGI) aim to implement multiple ambitious initiatives to support international efforts to reduce emissions and increase renewable energy capabilities.

This includes large-scale investments in clean hydrogen and renewable energy sources and developing advanced carbon capture technologies.

Cooperation

Saudi Arabia carries out humanitarian interventions, search and rescue operations, and joint antipiracy, including CTF151.

Saudi Arabia also implements international agreements, including the International Convention for the Safety of Life at Sea (SOLAS) 1974, the International Convention for Search and Rescue at Sea (SAR) 1979, and maritime safety directions received from the IMO.

Seafarers

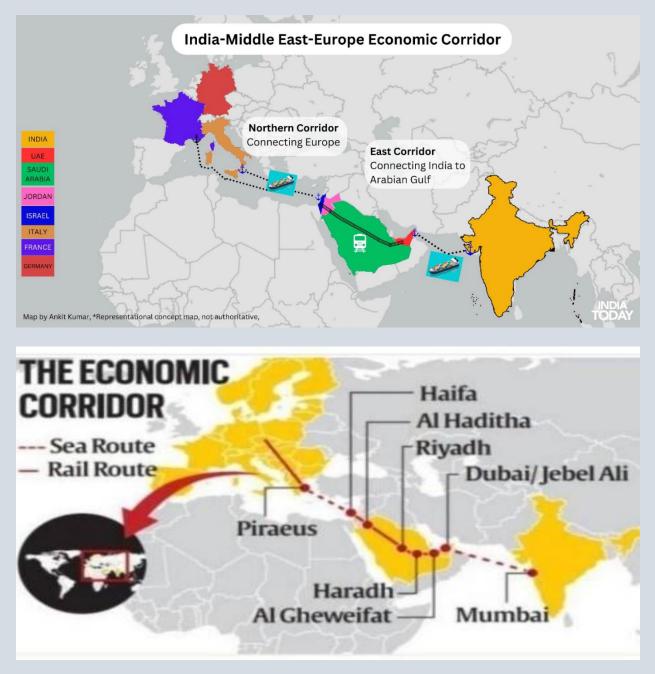
The Kingdom was one of the first countries to recognize seafarers as essential workers and strive to ensure they receive appropriate support.

More than 1,600 Saudi seafarers work onboard ships to serve the world economy. This reflects an increase of up to 25% compared to 2021. The Kingdom continues to invest in the training and development of seafarers.

India-Middle East-Europe Economic Corridor -IMEC

On 10 September 2023, the Memorandum of Understanding (MoU) was unveiled during the 2023 G20 New Delhi summit by the governments of India, the United States, the United Arab Emirates, Saudi Arabia, France, Germany, Italy, and the European Union for the planned 4,800-kilometer India-Middle East-Europe Economic Corridor (IMEC).

IMEC aims to bolster economic development by fostering connectivity and economic integration between Asia, the Arabian Gulf, and Europe. The corridor is proposed from India to Europe through the United Arab Emirates, Saudi Arabia, Jordan, Israel, and Greece.



DEVELOPMENT AND EXPANSION PLANS

In 2022, the Saudi Ports Authority (Mawani), in cooperation with the National Centre for Privatization & PPP (NCP), received an Expression of Interest (EOI) for marine services projects for eight major commercial and industrial Saudi ports.

The long-term agreements will be awarded to qualified companies from the private sector through a competitive procurement process per the Private Sector Participation (PSP) Law.

The agreements will include essential marine services such as anchorage, pilotage, towage, berthing, unberthing, and mooring, and additional services such as pollution control, firefighting, etc.

Plans:

- Build and develop national port passenger terminals to receive international and cruise ship passengers.
- Enhance the facilities and infrastructure of cargo terminals.
- Incorporate smart technologies, automation, and logistics infrastructure across the port.
- Minimizing the environmental impacts of maritime transport on the marine.
- Reinforcing shipping lines and starting new lines to connect regional and international ports for trade facilitation.
- Increase the overall container capacity of national ports to exceed 40 million TEUs.
- Achieve operational excellence by improving punctuality of inbound and outbound cargo handling.
- Streamline cargo clearance, cross-border transport, export, and re-export procedures.
- Build a comprehensive logistics park within and outside ports with direct connections to berths, raising the Kingdom's ranking on the Logistics Performance Index.

Ambitions for 2030:

- Increase the overall container capacity of national ports to exceed 40 million TEUs.
- Increase the Kingdom's re-export market share to 45%
- Increase port operations to 70 % of their overall capacity
- Improve the Kingdom's ranking on the United Nations Conference on Trade and Development's (UNCTAD) index to the 80th
- Raise the Kingdom's ranking on the Logistics Performance Index to 4.01
- Place the Kingdom among the world's top 10 countries in logistics and ensure its leadership regionally.
- Increase the number of national re-export logistics centers to 30
- Improve the Kingdom's Trading Across Borders score to 35th globally.

Saudi Maritime Sector – An Overview

The Kingdom of Saudi Arabia is advanced in the maritime transport industry. Being one of the world's most developed countries at the maritime level, Saudi Arabia plays a prominent role in developing this sector.

Saudi Arabia's giant maritime fleet plays a pivotal role in the maritime transport industry, upon which 90% of the global trade is based. This consolidates the Kingdom's position and leadership at the international level and confirms its sincere desire to be a global logistics center in line with the Kingdom's Vision 2030.

The Kingdom focuses on sustainable marine development, as it organizes various international conventions and treaties regulating this industry, not to mention its strategic location linking three continents.

Moreover, Saudi Arabia is surrounded by vast coasts, the Arabian Gulf, and the Red Sea, through which 13% of the global trade in this giant industry passes.

The country adopts the best ways to achieve sustainability in the maritime transport industry due to maritime transport being of great importance as a critical artery for the global trade movement.

The Kingdom of Saudi Arabia also maintains the seas and oceans free of pollution, provides specialized maritime education and training, and exerts efforts in empowering women to work in the sector and facilitating maritime traffic.

Additionally, Saudi Arabia strengthens its partnerships with the organization's member states by contributing to achieving the United Nations sustainable development plan, enhancing maritime security and safety, protecting the marine environment, and reducing marine pollution.

The Kingdom of Saudi Arabia maintains a distinguished position and continues to work to become an outstanding model in this vital industry, as achieving the objectives of the national strategy for transport and logistics requires the integration of and harmonization between the public and private sectors.

The integration and harmonization would be achieved by activating the existing and future plans and projects and benefiting from the vast investment opportunities that attract local and international investments. Consequently, this would be reflected in the diversification of the national economy and raising the local content.

New Logistic Zones

This includes establishing 59 logistics zones and increasing the capacity of ports to more than 40 million containers. The Kingdom has made great strides in supporting the marine environment.

Integrated Maritime Yard

One of the leading maritime projects in Saudi Arabia is the King Salman International Complex for Maritime Industries and Services, which is expected to become the largest integrated maritime yard in the region in terms of capacity and scale.

The project, located in Ras Al-Khair, Saudi Arabia, is under construction and covers 3.08 square miles (4.96 square kilometers) with several dry docks and at least 15 separate piers; the complex will consist of four significant areas of operation, including shipbuilding, ship repair, oil rig construction, and oil rig support.

In November 2017, Saudi signed a three-billion-dollar contract with China Power Construction Group to build the shipyard facilities.

NEOM Port - OXAGON

OXAGON is the home of advanced and clean industries in NEOM, the port, the primary seaport of entry to the northwest of Saudi Arabia. The first container terminal will be operational in 2025, and it will operate at net carbon zero with 100% renewable energy, wind and solar, as its main energy source.

More information: https://www.neom.com/en-us/regions/oxagon/port-scl

Maritime Sector Strategy

As part of Vision 2030, the Maritime Strategy aims to achieve alignment between government agencies and the relevant private sector entities in terms of existing and future strategies and projects, identifying investment opportunities in the maritime field, developing the workforce, maritime education and training, and improving the sector's infrastructure including bunkering, shipbuilding and maintenance, various marine investment opportunities, and the identification of local regulations and procedures that need to be modified or developed to raise the sector's attractiveness for investments.

The Strategy contains Ports, shipping and maritime transport, shipyards for building and repairing ships, maritime service, aquaculture, and maritime tourism.

More information:

https://www.vision2030.gov.sa/v2030/vrps/nidlp/ https://www.vision2030.gov.sa/media/qysdyqxl/nidlp_eng.pdf

Vision 2030: NIDLP

The National Industrial Development and Logistics Program (NIDLP) was launched at the beginning of 2019, focusing on four sectors - Energy, mining, industry, and logistics. The program also focuses on the two enabling pillars of local content and the 4th Industrial Revolution (4IR).

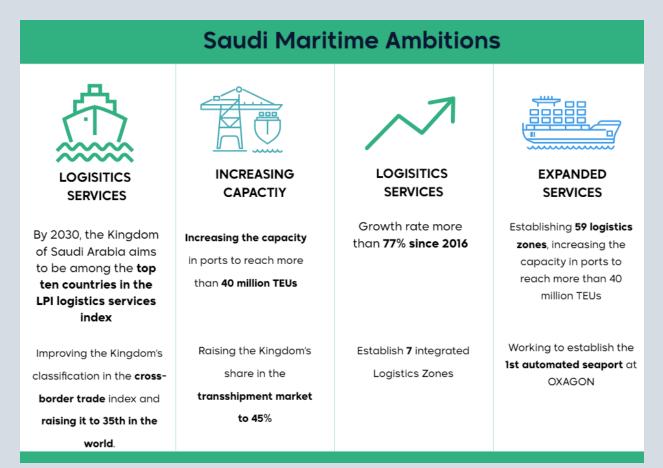
It has already achieved remarkable progress in international connectivity by adding five new shipping lines to the country's ports, inaugurating the first locally manufactured fast intercept boat, the launch of multiple utility-scale renewable energy projects, and strides of progress in military equipment localization as well as the global launch of the "Saudi Made" program. Building a global maritime logistics center in the west of the Kingdom on the Red Sea, capable of handling future mega-sized ships, is part of the ambitions of this program.

More information:

https://www.vision2030.gov.sa/v2030/vrps/nidlp/ https://www.vision2030.gov.sa/media/qysdyqxl/nidlp_eng.pdf

Maritime Ambitions

Source: https://www.ksaimo.com/



COMMERCIAL VESSELS AND THE KEY PLAYERS IN SAUDI ARABIA

Commercial Vessels

Ship Type	Number of ships	DWT	DWT %	% Share in world	Average age of vessels
Oil Tankers	58	11670	84.04	1.9	19
Bulk Carriers	6	490	3.53	0.052	7
General Cargo	21	190	1.37	0.241	23
Container ships	1	5	0.04	0.002	25
Other ships	327	1532	11.03	0.608	24
Total fleet - DWT	413	13887	100.00	0.631	23

Saudi Arabia has 413 registered (national flag) ships with 13.9 million DWT capacity as of 2022.

Key Players

Only the top three companies related to commercial vessels in Saudi Arabia are listed here, while others include those companies representing other international companies.

BAHRI

https://www.bahri.sa/en/

Bahri is a publicly listed company established in 1978 under the name "National Shipping Company of Saudi Arabia (NSCSA)." At present, 22.55% is owned by the Saudi Public Investment Fund (PIF), 20% by Saudi Aramco Development Company (SADCO), and 57.45% is listed in Saudi Stock Exchange (Tadawul). Bhari has 95 different types of vessels that serve 150 ports worldwide. The types of vessels are as follows:

- Very Large Crude-Oil Carriers (VLCCs): 39
- Chemical and Product Tankers:36
- Multipurpose Vessels: 6
- Dry Bulk Carriers:11

Bahri Dry Bulk vessels transport grains, coal, iron ore, barley, and other dry bulk cargoes. Bahri Dry Bulk is a joint venture company between Bahri (60%) and Arabian Agricultural Services Company (ARASCO) (40%).

Bahri Chemicals Vessels is a joint venture with Saudi Arabian Basic Industries Corporation (SABIC), which transports chemicals. Bahri Oil vessels transport crude oil and are the exclusive VLCC transportation provider for Saudi Aramco's CIF (Cost, Insurance, and Freight) sales.

ARASCO Logistics

https://www.arasco.com/

ARASCO Logistics is a subsidiary of ARASCO, a closed joint stock company, and privately held feed-to-food enterprise. ARASCO subsidiaries include, in addition to the logistics, animal feed products, poultry, agricultural, veterinary, animal farming products, and food ingredients. ARASCO Logistics extends its local operations by shipping key agricultural commodities from various countries such as Argentina, Brazil, and the USA. ARASCO is the largest importer of agricultural raw materials in Saudi Arabia. A major stevedore at the King Abdulaziz Port in Dammam, providing loading and discharging services while operating in collaboration with ARASCO Feed, a grain handling and storage facility of 450,000 metric tons.

ARASCO Logistics has a fleet of 550 trucks and 150 railcars, apart from its state-of-the-art logistics facilities and a highly experienced logistics team. In addition, in partnership with Bahri, ARASCO Logistics operates bulk vessels to meet the industry's increasing logistics demands. ARASCO Logistics provides over 5 million metric tons of Agri-bulk commodities, 90 million live chickens, and various products of ARASCO's strategic business units and third-party customers.

BIHAR International Company

A private company that operates vessels for transporting crude oil, petroleum products, chemicals, and liquefied gases. Its fleets include tankers and offshore units.

More information: <u>https://www.biharinternational.co/</u>

Relevant Government Authorities

The Saudi Ports Authority

Saudi Ports Authority, known as Mawani, is a government authority overseeing billion-dollar national shipping companies and the logistics services industry.

More information: <u>https://mawani.gov.sa/en-us/Pages/default.aspx</u>

The Saudi Customs Authority

Zakat, Tax, and Customs Authority is the government entity responsible for the collection of Zakat (religious tax on Saudi companies), taxes, and customs duties.

More information: <u>https://www.customs.gov.sa/en/</u>

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https://www.customs.gov.sa/en/





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