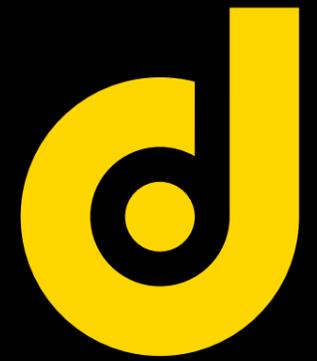


# Marine, Port & Offshore Technology

Power Transmission and Hoisting Solutions  
Made in Italy since 1970



Since 1970, Dinamic Oil has been a leading global manufacturer of Hoisting Winches and Planetary Gearboxes dedicated to the Marine, Port & Offshore industries. Winches, motor driven machines used for hoisting or pulling, are composed of a drum around which a rope is wound and attached to the load being moved. Gearboxes are geared mechanical transmissions that transmit the movement of a motor to the machine on which they are applied, reducing the speed and multiplying the delivered force (torque).

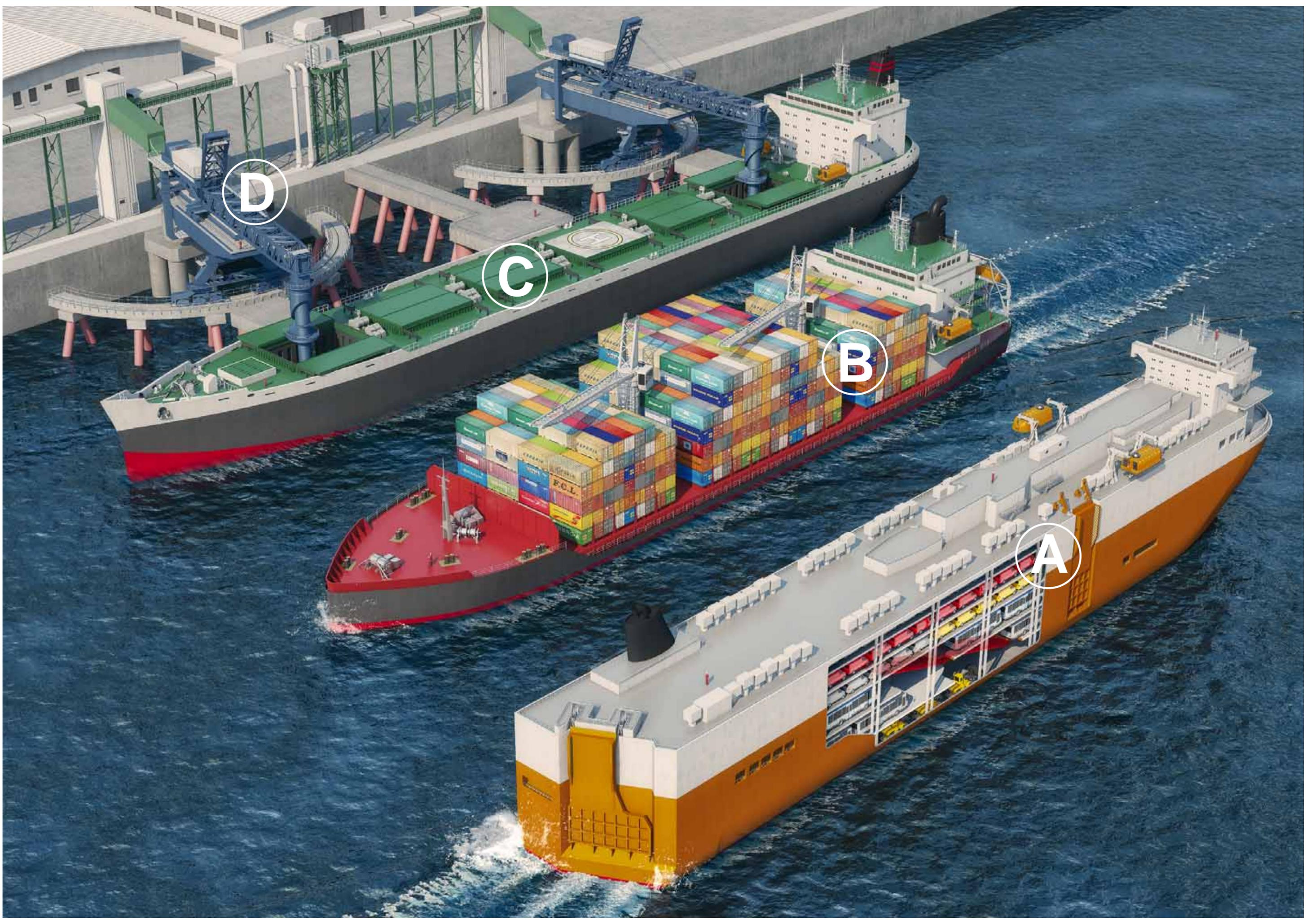
This document shows many Marine, Port, & Offshore applications in which Dinamic Oil has provided successful solutions.

***dinamic oil***

# Marine Applications

We understand the numerous and stringent demands of the marine industry, whether it be in the arctic seas, tropical waters, or at a depth of a thousand meters. Our winches and gearboxes have been proven to meet performance expectations and operate consistently in extremely harsh environments. This makes our gearboxes and winches ideal for all types of marine applications such as Capstans, Life Boat / Davit Winches, Anchor Winches / Windlasses, Deck Cranes, Pods / Azimuth Thrusters, Mooring Winches, etc.





D

C

B

A



Car Deck Hoisting (A)



Davit (A B C)



Man Riding (A B C)



Conveyor Luffing (D)



Conveyor Luffing (D)



Conveyor Trolley (D)



Crane Hoisting (B)



Crane Luffing (B)



Capstan (B)



Stern Ramp Hoisting (A)



Conveyor Drive (D)



Crane Hoisting (B)



Anchor Winch (B)



Crane Slewing (B)



Azimuth Thruster (A B C)

# Our Product Range

Dinamic Oil is a flexible and customer focused Company, always striving to match high quality products with the application requirements. From Hoisting Winches with line pulls ranging from 0.5 to 50 Tons to Planetary Gearboxes with output torques ranging from 1,000 Nm to 3,000,000 Nm, Dinamic Oil has developed many custom solutions to satisfy the most demanding applications of the Marine, Port and Offshore industry.

Dinamic Oil works with all major Certification Societies to ensure its products are properly classified and comply with the design and construction requirements of the Marine, Port and Offshore industry.



## Planetary Gearbox

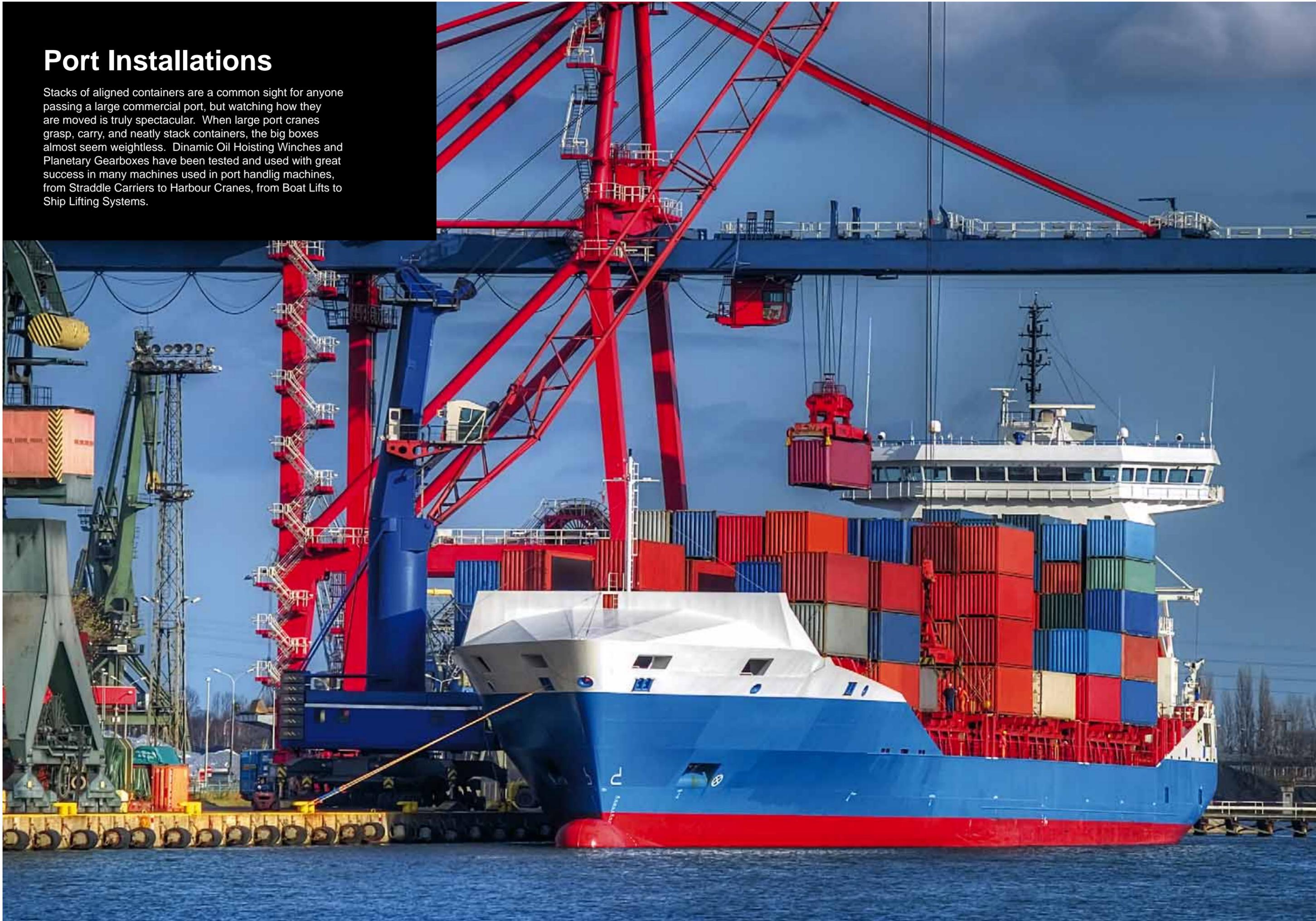
Series	Smallest Size		Largest Size	
	Max Torque	Ring Gear Diameter	Max Torque	Ring Gear Diameter
	Nm	mm	Nm	mm
Industrial	950	186	3,620,000	1,630
Slewing Units	2,900	186	166,000	490
Winch Drive	7,900	244	1,310,000	1,090
Track Drive	100,000	430	900,000	870
Wheel Drive	800	140	3,600	186

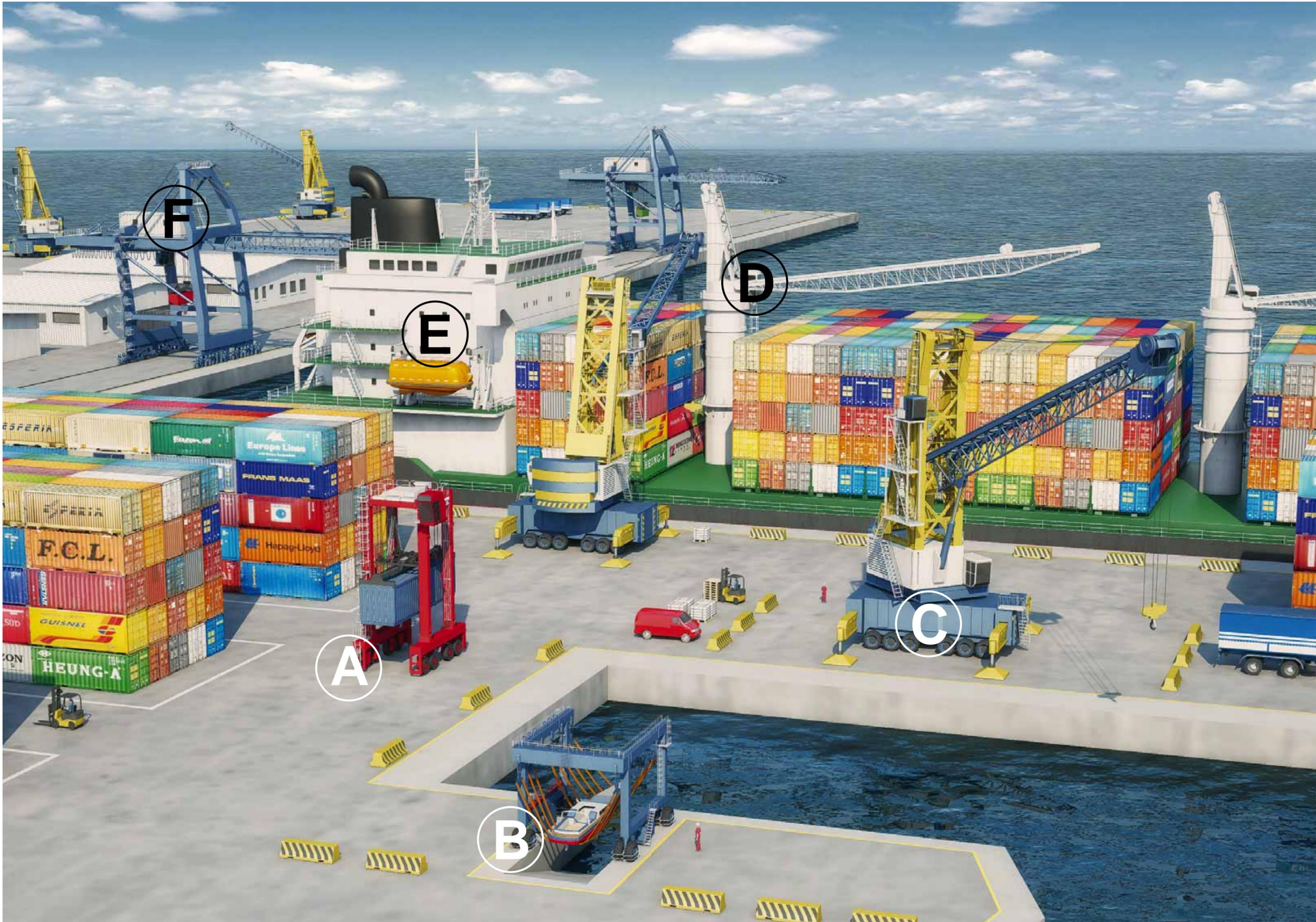
## Hoisting Winch

Series	Smallest Size		Largest Size	
	Line Pull	Weight	Line Pull	Weight
	daN	kg	daN	kg
A	380	27	6,750	263
NP	400	34	1,650	44
P	600	33	2,500	80
S/SE	1,570	77	5,770	290
SRD	6,200	473	29,700	865
Special Winches	-	-	up to 50,000	-

# Port Installations

Stacks of aligned containers are a common sight for anyone passing a large commercial port, but watching how they are moved is truly spectacular. When large port cranes grasp, carry, and neatly stack containers, the big boxes almost seem weightless. Dynamic Oil Hoisting Winches and Planetary Gearboxes have been tested and used with great success in many machines used in port handling machines, from Straddle Carriers to Harbour Cranes, from Boat Lifts to Ship Lifting Systems.





F

E

D

C

A

B



Container Lifting (A)



Boat Lifting (B)



Davit (E)



Straddle Carrier Long Travel (A)



Crane Hoisting (C D)



Crane Luffing (C D F)



Crane Slewing (C D)



Long Travel Drive (F)

## Our Certifications & Quality System

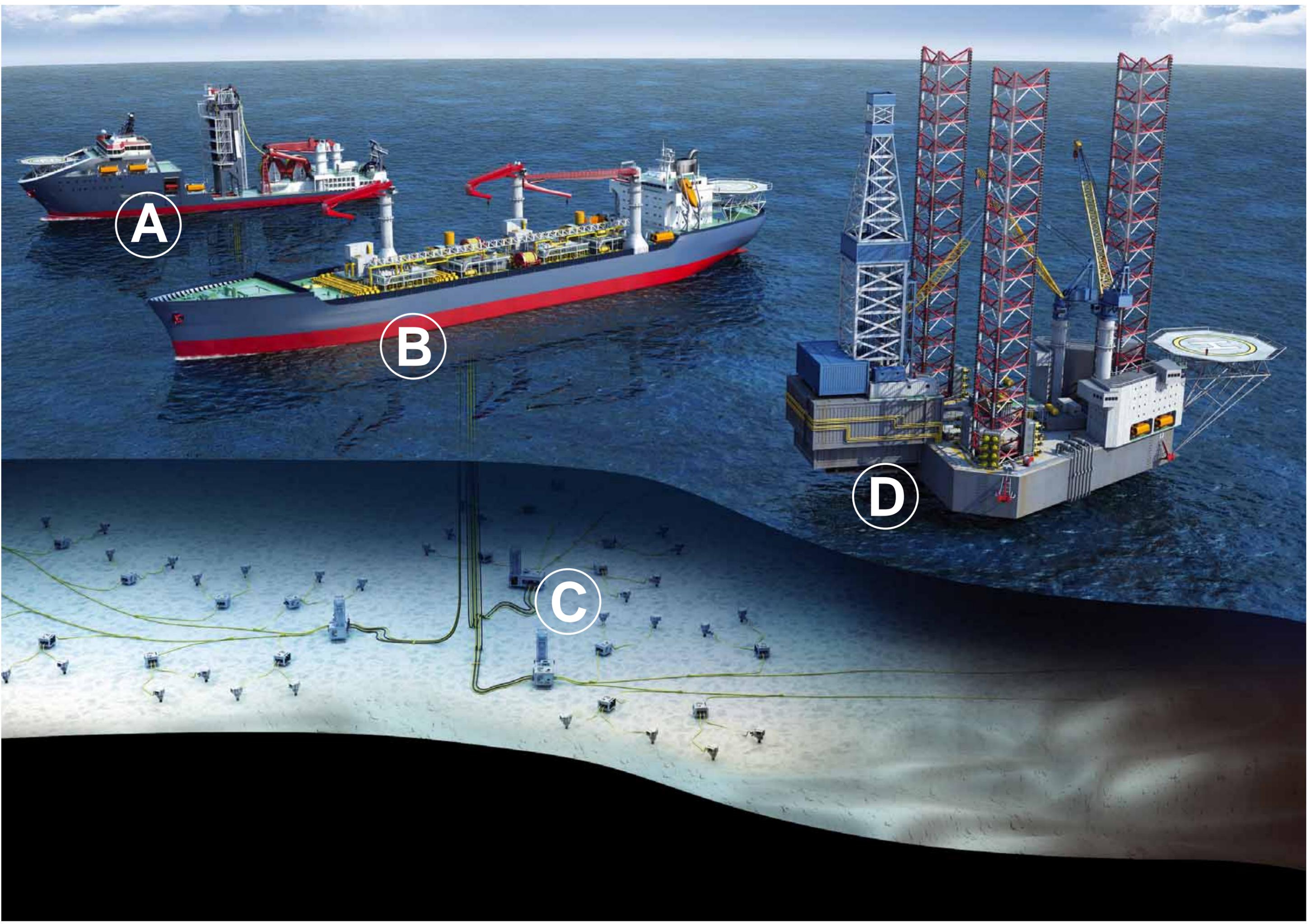
We supply components that must work for decades without failing or major repair, making quality an essential and valued part of our business. Therefore, Dinamic Oil is UNI EN ISO 9001:2008 certified. Our Quality Team works closely with major certification organizations (DNV, ABS, etc) to provide type approvals, design approval, and product certificates. The full traceability of our components allows us to easily supply 3.1 and 3.2 Certifications.



# Offshore Technology

For more than 10 years, Dinamic Oil has been providing innovative and custom solutions to the Offshore / Marine Oil & Gas industry. Dinamic Oil Planetary Gearboxes and Winches can be found on applications such as On-Board Pipe Laying Vessels, FPSO Vessels, ROV Handling Winches, Deep Water Pipe Valves, and Offshore Drilling Platforms. In every application where "application engineering" is an added value, Dinamic Oil offers innovative and advanced solutions for maximum operative efficiency.





A

B

C

D



Anchor Winch (A)(B)



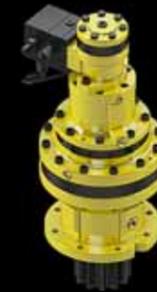
Capstan (A)



Pipe Tensioner (A)



Jack-up System (D)



Offshore Crane Slewing (D)



Offshore Crane Hoisting (D)



Bulkhead Sliding (A)



Davit (A)(B)(D)



Davit (A)(B)(D)



Azimuth Thruster (A)(B)(D)



FPSO Winch (B)



Offshore Crane Luffing (D)



Deck Crane Hoisting (A)(B)



Deck Crane Slewing (A)(B)



Traction Winch (A)



Subsea Pipe Valve (C)



Tugger Winch (A)



Cable Storage Winch (A)



Pipe Storage Winch (A)

# Branches

All components are manufactured at our headquarter in Bomporto (Modena), Italy. We now have five fully functional subsidiaries around the world (USA, Norway, India, China, and Singapore) which are able to stock, assemble, customize/modify, test, service, and repair. These subsidiaries, combined with our sales offices and distribution network, allow us to provide a high level of service and support to our customers.

**dinamic oil**

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MP15/A-EN/web



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