An excellent product along with extraordinary quality are not enough for us. We strive to increase your value because we want you to realize your full potential and go beyond.

Customers, dealers, partners and suppliers are the leading players in Effer’s world, and you’re part of this world too.

We share the same goals and the choice to aim for the top, and we are committed to offering the best performance in every detail.

Working together we will increase your value and overcome any obstacles.

We beat time and wear, with models able to resist against greatest stress.

We beat standardization, ensuring our products are highly customized.

We beat the global market, expanding our international network year after year.

We beat our own records, raising the quality standards we have already achieved.
Introduction of cataphoresis process for the protection from the corrosion of steel structures of marine cranes.

At the Saie Exhibition in Bologna we presented the largest truck mounted crane ever built, the Effer 2200 with a lifting capacity of 200 Txm.

Creation of one of the first 110 txm truck cranes equipped with remote control, an exclusive Effer concept designed for the Russian market.

Presentation of the first crane in the world with a lifting moment of 40 txm, entirely made/built with T1-A steel, an absolute innovation at the time.

Effer was born from a winning team combining excellence, technological research, and international vocation.
Effer reaches every corner of the world thanks to its reliable sales and service network.

Wherever the best is required, we bring excellence.

All our partners are trained to give prompt and high-quality technical, commercial and after-sales support to our customers and end users. Our distributors have the best competence also for activities like commissioning, installation of the cranes, training, test, maintenance and providing of Effer original spare parts to keep your crane performance at best.
Effer Marine cranes are one of the most robust, reliable and proven cranes in the market place. They are very appreciated in the naval and marine industries as they can be configured to suit the most demanding customers’ needs and special applications. Effer can provide all the tools you need for your work in many different sectors. In fact our machines are designed, made and certified to resist under typical hard working conditions in the marine environment (wear and tear, saline fog, extreme temperatures...), and they’re also maintenance friendly. Furthermore, they are ideal also to be installed inside ships and vessels to handle different materials.

Effer marine cranes are suitable both for basic operations, and for the most sophisticated uses on decks, vessels, ships etc. They are reliable tools also for applications like safeguarding, drill ships, military uses, dredgers, tankers, supply and naval vessels, research ships, provision, ship-to-ship activities, trawlers, service cranes, multipurpose vessels, pipe&hose handling and many more: Effer’s staff is dedicated to collecting and satisfying all customer’s needs concerning crane features and certifications to provide them with the right crane for working easily and in safety.
Our cranes can satisfy the most demanding needs of fish farming and aquaculture professionals. Thanks to their design, high-strength steel structure, additional equipment and long lasting materials and treatments, these cranes resist to wear and tear and make work a lot easier.

**Main advantages:**
- Fast movements of the crane, both during rotation, extension and retracting of the boom
- Possibility to have continuous and endless rotation with Effer’s slewing rings
- Powerful motor gears
- Long life of components and structure of Effer marine cranes and resistance to harsh environmental conditions
- Spare parts easily available in any country thanks to Effer’s worldwide sales network
- The boom remains always straight thanks to the symmetrical layout of extension cylinders.

Aquaculture and fish farming

Effer cranes can reach up to 31 meters, an ideal length for the fish farming sector. Thanks to the smooth and controlled movements of Effer marine cranes, you can easily change the nets without stressing the fish. **Our marine cranes for fish farming are ideal tools for:**
- Maintenance service for buoys and net anchoring
- Service vessels and workboats
- Nets inspections and cleaning
- Live fish carriers
- Barges for fish health treatment
- Anchor handling and mooring operations

Our cranes are easy to install and have been designed for a wide range of applications including deck operations, shipboard, fishing and sea farming industry and more:
RANGE OF APPLICATION

Activities on deck (shipboard)

Here’s a 175000 utilised to manoeuvre and stack mattresses on deck which had been recovered from the seabed by the vessel’s main crane.

Offshore navy vessels

Anchor and buoys handling

Fishing
RANGE OF APPLICATION

Maintenance & Recovery

A 200000 involved in the recovery operations after the Costa Concordia disaster.

Multicat/storage handling
RANGE OF APPLICATION

Deck operations

Navy, coast guard and patrol vessels

Container, cargo and boat handling
If you need a very compact yet powerful marine crane, you can rely on Effer products. It is possible to install this range of cranes on deck, but also inside the vessel or the ship. They are perfect provision and service cranes, able to satisfy all the needs for handling, loading and unloading materials. Effer marine foldable knuckle boom cranes can work in tight spaces thanks to their compact size and shape. They can be installed on different types of vessels and they are superb for carrying out loading and unloading operations in complete safety, such as the handling of containers, equipment as well as heavy and delicate materials. They are also ideal for applications related to ROV equipment and are often used for operations on the deck of the craft, on platforms and in port areas.

We can offer different models for this range, suitable for any operative need:

- 85M
- 110M
- 130M
- 155M
- 220M
- 275M
- 340M
- 440M
With Effer knuckle boom cranes you can easily load and unload materials and rely on a strong and safe tool. Thanks to their outstanding performance, you can easily move heavy loads. Thanks to their versatility and resistance they are ideal also for cargo handling, maintenance, multipurpose vessels, navy ships etc. The robustness of Effer knuckle boom cranes means that they can withstand even the most severe weather conditions. Thanks to their precision and reliability, operators can move very heavy loads under complete control, avoiding the applied weight roll and the pendulum effect. Despite their considerable performance, Effer articulated marine cranes are compact so leaving maximum free space, for example on the deck. They are also ideal for work boats, multipurpose boats and also aboard diving support ships. Thanks to their precision they can also be used for offshore platforms and in fish farms, or for many other applications.

**KNUCKLE BOOM CRANES**

We can offer different models for this range, suitable for any operative need:

- 65000
- 80000
- 100000
- 125000
- 145000
- 175000
- 200000
- 245000
- 275000
Telescopic boom cranes can work under any condition, thanks to the robustness and flexibility of this type of equipment. Each movement can be made in complete safety, also when handling loads very close to the crane. In the case of on-board handling as well as between ship and shore, Effer telescopic cranes are a reliable business partner, versatile and very easy to use. Work with an Effer telescopic marine crane make any on-board handling quick and easy! Like all Effer marine cranes, you may also apply different accessories to the telescoping one, depending on its intended use, from the ROV to man-riding feature along with many others.

We can offer different models for this range, suitable for any operative need:

- DECO44
- DECO80
- DECO120
- DECO240
LONG LASTING

TOP PERFORMANCE REQUIRES CRANES TO BE MADE WITH EFFICIENT PRODUCTION PROCESSES

1. All steel components are shot-blasted and protected with a full marine protection cycle that includes, in our models up to 80 txm, a fully automated cataphoresis process so even the least accessible points of the structures are protected.

STRONG CABLES

2. Effer uses anti-twist galvanized and greased steel cables. This ensures maximum performance under all working conditions, and long lasting cranes.

PIN BUSHES

3. All our pins are designed for a long life. Made in bronze they resist heavy stress and wear.

MADE IN ITALY MANUFACTURING PROCESS

4. Effer uses PRO-ENGINEERING and ANSYS software FEM (Finite Elements Method) optimizing its design process. Effer’s 50-year know-how in the high strength and material welding sector enables us to carry out very complex processing - even in the production of light and medium-range cranes.

ROTATION SYSTEM

5. Powerful and precise slewing using either rack and pinion or slewing ring systems. All our models offer the possibility to double the slewing system in order to increase efficiency under heavy working conditions.

THE BEST HYDRAULIC SEALS ON THE MARKET

6. Effer only uses the best hydraulic seals in the category for its cranes.
EASY WORK

CENTRALIZED GREASING SYSTEM
7. Effer cranes have greasing points to keep them efficiently operating and to preserve moving parts over the years. A central greasing system is available as an option to simplify maintenance operations, granting sure oversight of the whole crane.

CONTROL VALVE
8. All our cranes take advantage of a control valve with internal compensation. With this solution, it is possible to carry out simultaneous movements. For this purpose we benefit from the cooperation of worldwide producers (Hawe and Danfoss).

SLIPPING SOFTLY
9. Effer cranes rotation bearing is equipped with a leaktight seal between the rotary rings, to prevent water and dust entering the tracks. All Effer rotation bearings are fastened by means of high resistance screws tightened with a dynamometric wrench. Effer rotation bearing uses two circles of ball bearings to reduce the rotation friction to a minimum.
1. Proportional control bank with supplementary control for winch.
2. Rotation by slewing ring and hydraulic motor reduction gears or by racks and pinion.
3. Emergency stop button.
4. Load moment limit device.
5. Extension cylinders with sequence valves
   Microfissure chrome plating
   Through the electrolytic action, the cylinders stems are coated with several layers of chrome to obtain a thickness of 100 microns which guarantees resistance in saline fog up to 260 hours (in accordance with ASTM B537) and extreme surface hardness.
6. Cylinder rods with marine double chromium plating and Nikrom
   Nickel+Chrome (Nikrom)
   For heavier applications, nickel and chrome are used for the surface treatment of the stems. Thanks to these elements the process guarantees at least 300 hours of resistance in saline fog (ASTM B537).
7. Support plate for winch on 2nd boom.
8. Pins protected with Geomet plating.
9. Pipes and relevant fittings in stainless steel AISI 316L.
11. Hoses with galvanized fittings protected with heat shrunk shroud.
12. Other fittings galvanized and painted.
13. Bolts and screws are either in stainless steel or protected with Geomet plating
   Geomet plating
   Many fixing components (screws and bolts) are protected from atmospheric agents and rust through a water-based liquid coating containing inorganic metals (zinc and aluminium), named Geomet. The process conforms to RoHS directive and guarantees resistance to oxidation in saline fog for over 500 hours. Thanks to this process, components are protected on all sides from corrosion and the presence of zinc and aluminium allows self regeneration of damaged areas at a microscopic level. All fixing components which must guarantee high mechanical resistance, are treated with Geomet 321, in that the absence of hydrogen avoids weakening, critical for applications in aggressive environments.
14. Marine painting cycle with cataphoresis or zinc primer (RAL 1014)
   Cataphoresis
   Cataphoresis is a surface treatment able to give crane steel components considerable corrosion resistance. It is an electrolytic process involving complete immersion of the piece: it allows uniform surface covering with the resin. All parts of the treated piece are covered, providing high protection against chemical agents and rust, reaching an oxidation resistance equivalent to 500 hours in saline fog. The process is completed with a coat of paint according to client’s needs.
   Coating treatment
   All parts of the crane are further protected from rust by a 3-layer coat (organic zinc primer, intermediate epoxypolyamidic, polyacrylic varnish) for a total thickness of 270 microns. The main result is a crane which is always protected by a colour which lasts.
15. Hook.
16. Fixing kit.
WINCH KIT
Installation of different types of winch, offering lifting capabilities and speeds according to client and Classification Societies requirements. Effer can provide cargo winch and man riding winch.

HEAD PULLEY WITH MULTIPLE LINES
Each application requires different solutions to lift loads. We supply the winch kit with different types of pulleys at the end of the boom according to our client’s real needs.

POWER PACK
All our models can be fitted with Hydraulic Power Packs engineered to withstand the most aggressive marine environments and can be equipped with a variety of accessories, including oil heaters, oil coolers, pump-in-load sensing execution.

LOAD CELL AND DISPLAY
A shackle with load cell and transmitter is an important option available upon request. The value of the load is directly displayed both on remote control display and electric console on the station.

SCANRECO REMOTE CONTROL
Our cranes can be provided together with high-quality remote control systems, either available in the cable or radio remote version.

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INTERNATIONAL RULES AND CERTIFICATIONS

Our cranes can be verified according to the rules of any IACS member for shipboard or off-shore applications.