



OFFSHORE CRANES

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ITALGRU



PORT & OFFSHORE CRANES



ITALGRU is a well established market leader in: Mobile harbour cranes / Oil rig, cargo vessel, FPSO, FSO and barge cranes / Special, heavy-duty hoists and systems / Refurbishment and upgrading of existing cranes. Experience has taught us that success should never be an end in itself and this is the reason why ITALGRU is constantly geared towards the future. To maintain our position as market leaders requires a constant commitment towards the research of new solutions, improved production, and first class service and technologies to ensure greater customer satisfaction.

FROM ENGINEERING TO SERVICE ITALGRU offers its customers added value along with a high degree of satisfaction and competitive prices through a solid and flexible corporate structure, the continuous development of innovative technologies, and a team of people who are able to realize and produce solutions suited to customer requirements while taking care of the finest details.

From 1954 we carry your weight

ITALGRU S.r.l. has proven experience in providing specific operational solutions in the cargo handling industry. These solutions cater to the most important logistic segments such as harbour, off-shore, shipyard, and steel mills businesses. The operational team is made up of highly qualified individuals who are capable of analyzing and planning projects based on top productivity and managerial strategies that result in efficient and effective solutions. Customers can be assured of the highest levels of quality and safety. Competence and innovation are the pillars behind the ITALGRU brand, designs and developments.

Since 1995, ITALGRU S.r.l. – a Bonfanti family-owned company – has played a vital role in both the local Italian and international markets in the heavy-duty lifting, cargo handling and industrial automation sectors.

OUR MAJOR CLIENTS

- ABU QIR PETROLEUM
- AGIP
- BUMI ARMADA
- BW OFFSHORE
- CONOCO PHILLIPS
- CHEVRON
- CNR
- EMAS OFFSHORE
- ENI
- ENI AUSTRALIA
- ENI CONGO
- ENI TUNISIA
- EQUINOX
- ESSAR
- FOSTER WHEELER ENERGY
- GOLAR OFF – SHORE
- GRUPPO COSMI
- HEREEMA MARINE
- HESS CARIGALI
- HYUNDAI HEAVY INDUSTRIES
- INTERMARE SARDA
- JURONG SHIPYARD
- KEPPEL FELS
- KEPPEL SHIPYARD
- KEPPEL SINGMARINE
- LARSEN & TOUBRO
- MELLITAH OIL & GAS BV
- MERMAID OFFSHORE SERVICES
- MISC
- MULTIGROUP
- M3ENERGY
- NAVALMARE
- NUOVA OLMEC
- OMNI OFFSHORE TERMINALS
- ONGC
- OSX
- PETROBRAS
- PETROFAC
- PETRONAS
- PROSAFE OFFSHORE
- PTSC ASIA PACIFIC
- PETRO VIETNAM MARINE SHIPYARD
- RELIANCE INDUSTRY LIMITED
- ROSETTI MARINO
- SAIPEM
- SAIPEM INDONESIA
- SAIPEM PORTUGAL
- SAMSARA GROUP
- SAPURAKENCANA
- SBM OFFSHORE
- SHELL
- SOUTH OIL COMPANY
- TECHNIP
- TEEKAY
- TEEKAY PETROJAL
- THANGLONG JOINT OPERATING COMPANY
- VIETSOVPETRO
- V.SHIPS



W

ith more than 100 employees, ITALGRU consistently works towards improving its products and services while meeting the demands of developing markets. The company's products display the highest workmanship quality, and full traceability – from the initial steel plate-up to the final commissioning and start-up of the crane – is available for customer review. All offshore cranes are designed and manufactured according to the highest industry standards with strong adherence to customer requirements and Third Party certifications.

Over the last two years, ITALGRU has designed a new electronic system that allows for integrated control of all the functions within a crane. The new system includes CAN bus technology, a large memory bank, different data transmissions and even a touch screen display.

At ITALGRU, after sales service is of great importance and wide emphasis is placed on working with established partners within the oil and gas industry to ensure that our customers' requests are dealt with effectively and efficiently without excessive lead times.

ITALGRU ACTIVE HEAVE COMPENSATED SUBSEA OFFSHORE CRANES have been designed for the most challenging conditions. With lifting capacities up to 300 tons down to 3400 meters depths, ship-to-ship or subsea lifts to and from the seabed are controlled by a powerful control system ensuring safety and precision in any situation.

All functions for active heave compensation, auto-tension, tugger and auxiliary winch functions are an integral part of the ITALGRU control system. The proven Bosch Rexroth AHC system has been adapted to perfectly match the innovative ITALGRU range of subsea cranes.

ITALGRU AHC crane designs are available for all types of cranes including lattice, knuckle boom and box boom type cranes.

Optional features:

- Active boost or semi-active type
- Dynamic load calculators
- Wire log
- Snatch damping
- Remote control
- Remote diagnostics
- Moon pool bundling
- Low temperature package
- Man-riding
- Operator training
- Simulator training

TS

TS OFFSHORE CRANE SERIES

ITALGRU's TS crane range includes rope luffing pedestal cranes with an open A-frame and either diesel-hydraulic or electro-hydraulic systems. The 2nd generation ITALGRU cranes symbolize the highest manufacturing standards for modern and innovative offshore crane technology.

TC

TC OFFSHORE CRANE SERIES

The ITALGRU ram luffing crane TC series is the cumulative result of more than 35 years of experience in the offshore industry. Our customers continue to be satisfied with our ongoing research and innovative developments. The ITALGRU TC offshore crane series is designed and manufactured for medium lifting capabilities with working outreaches that are customized according to our clients' needs.

TK

TK OFFSHORE CRANE SERIES

With the recently introduced knuckle boom crane design, ITALGRU once again revolutionizes the standard in crane design solutions and concepts. The TK series caters to a growing market that requires more efficient technical handling solutions with a view of saving space on our customers' offshore projects.

AFTER-SALES SERVICE & CUSTOMER SUPPORT

ITALGRU's service philosophy is anchored on a commitment towards continuous improvement. Over the last five years, ITALGRU has established several key partnerships with various companies within the oil and gas industry. Our customers can be assured that spare parts will be available for the entire lifetime of the cranes and service support is at their disposal.

TS OFFSHORE CRANE SERIES



CONTACT

Tel. +39 - (0) 35.49.32.411

Fax +39 - (0) 35.49.32.409

info@italgru.com / www.italgru.com

Lattice Boom Pedestal Crane type TS 820 EH – Saipem /
Hunday Heavy Industry – British Gas – Sabratha Platform



TS SERIES

The TS rope luffing offshore pedestal cranes are the right choice for different applications that require high lifting capacities at medium and high outreaches. The lattice boom type cranes allow for a lighter design of the boom thus offering higher lifting capacities.

The TS offshore cranes are available with either electric or diesel prime movers that can be customized for operation in both safe and hazardous areas. The unique design of the TS crane allows for adequate access for maintenance and inspections.

The key characteristics of the TS type cranes are:

- Modular design for maximum reliability
- ITALGRU electronic-type crane management system
- Power output regulator to avoid power pack overloading and to ensure excellent operating efficiency
- Closed hydraulic system
- Auxiliary winch
- All winches are mounted on the main frame for easy access and safe maintenance
- Man Riding application, GOP and others



TS OFFSHORE CRANE SERIES



Lattice Boom Pedestal Crane type TS 1200 EH – Technip – Petronas FLNG Project



Lattice Boom Pedestal Crane TS 1800 DH – Saipem – Foster Wheeler – Icoeep Platform



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Lattice Boom Crane Type TS 5000 EH - AHC



Lattice Boom Pedestal Crane Type TS 1200 E - Saipem
- Castorone Pipe-Lay Vessel (-40°Celsius)



Lattice Boom Pedestal Crane TS 1800 DH – Saipem – Foster Wheeler – Icoeep Platform

TC OFFSHORE CRANE SERIES



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Fax +39 - (0) 35.49.32.409

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TC SERIES

The ITALGRU TC box boom type offshore crane series is available with either a diesel-hydraulic or electro-hydraulic drive system. The modular design allows the cranes to be equipped with a machinery house on the rear side of it or alternatively a compact version is available where the crane's prime mover is situated within the interior of the slewing column.

The diesel-hydraulic versions use a stand-alone power source that runs independent from the rig or FPSO and serve as the ideal solution to provide reliable and trouble-free operations on unmanned platforms or installations that require autonomous crane operation.

The main characteristics of the TC type cranes are:

- Compact design based on modular systems with or without house machine
- ITALGRU electronic type crane management system
- Power output regulator to avoid power pack overloading and to ensure excellent operating efficiency
- Closed hydraulic system
- Auxiliary winch
- Man Riding application, GOP and others

Box Boom Crane Type TC 500 EH - CNR - Olowi Field



TC OFFSHORE CRANE SERIES



Box Boom Crane Type TC 500 DH - HST Platform PTSC Vietnam



CONTACT

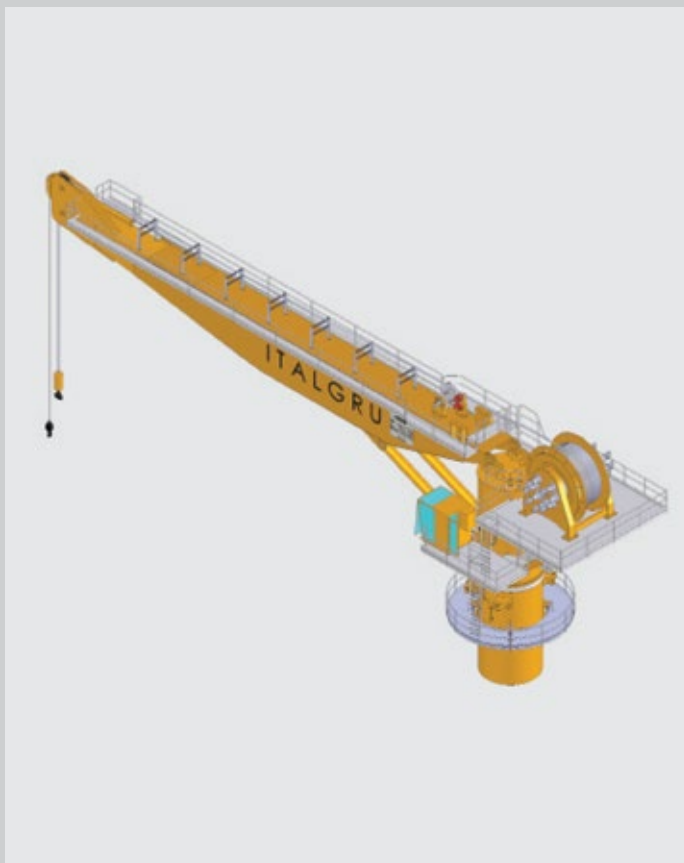
Tel. +39 - (0) 35.49.32.411

Fax +39 - (0) 35.49.32.409

info@italgru.com / www.italgru.com



Box Boom Type Pedestal Crane TC 180 EH – Saipem – CNR – Olowi Field Platform



Box Boom Crane Type TC 5000 EH AHC



Box Boom Crane Type TC 1200 EH - SBM - FPSO OSX 2

TK OFFSHORE CRANE SERIES



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Tel. +39 - (0) 35.49.32.411

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info@italgru.com / www.italgru.com

Knuckle Boom Type Pedestal Crane TK 1200 DH – SBM –
Petrobras – FPSO Cidade de Paraty



TK SERIES

The TK knuckle boom offshore pedestal cranes are the right choice for applications with limited space available. The modular design allows the cranes to be equipped with a machinery house on the rear side of it or alternatively a compact version is available where the crane's prime mover is situated within the interior of the slewing column.

The TS offshore cranes are available with either electric or diesel prime movers that can be customized for operation in both safe and hazardous areas. The unique design of the TK crane allows for adequate access for maintenance and inspections.

The main characteristics of the TK type cranes are:

- Compact design based on modular systems with or without house machine
- ITALGRU electronic type crane management system
- Power output regulator to avoid power pack overloading and to ensure excellent operating efficiency
- Closed hydraulic system
- Open hydraulic system for luffing cylinders
- Auxiliary winch
- Man Riding application, GOP and so on

ITALGRU was recently awarded the contract to supply the first two TK type cranes from main EPC contractors for SAIPEM (CASTOR ONE PIPE LAYING VESSEL) and SBM GUSTO (FPSO TUPÍ NORDESTE PROJECT – PETROBRAS).



TK OFFSHORE CRANE SERIES



Knuckle Boom Crane Type TK 1800 DH - SBM - FPSO Cidade De Ilhabela



Knuckle Boom Type Pedestal Crane TK 1200 EH – SBM – OSX – FPSO OSX 2



Knuckle Boom Crane Type TK 5000 EH AHC



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info@italgru.com / www.italgru.com



Knuckle Boom Crane Type TK 820 EH – Saipem – Castorone Pipe-Lay Vessel (- 40 Celsius)



Knuckle Boom Crane Type TK 1800 EH – Poseidon Offshore – Accommodation Barge Aquarius Brazil



Knuckle Boom Type Pedestal Crane TK 1800 EH – Poseidon Offshore – Petrobras – Accommodation Barge Aquarius Brazil



After-Sales Service & Customer Support

ITALGRU and its service partners are fully aware of our client's requirements and expectations. We are committed to long term relationships with our customers in the oil & gas industry and to delivering safe, cost effective and efficient high quality service solutions.

ITALGRU and its sales & service partner ALATAS CRANE SERVICES WORLDWIDE have proven track records in providing our clients with qualified expertise and know how.



Our customer support commitments include

SPARE PARTS

- Availability of spare parts for more than 20 years
- Stock availability combined with fast delivery

SERVICE

- Experienced and factory trained service technicians (multi-skilled) are available from both ITALGRU and ALATAS
- All service engineers are supported by a professional team of factory based specialists
- Services include supervision of installation, commissioning, start-up, load testing, inspections, and maintenance
- The engineers are also able to upgrade existing cranes to the latest systems in accordance with compliance rules and regulations. These upgrades include but are not limited to: new hydraulic systems, new electronic systems and general upgrades of cranes
- Installation of additional safety features including emergency brake systems, man riding capability, mooring, GOP among others

TRAINING

- ITALGRU provides comprehensive training programs on site in Italy or at the customers' premises by specialized, highly skilled professionals with extensive field experience



ITALGRU S.r.l.

Statale Briantea 4,
24030 Ambivere (BG) , ITALY
Ph. +39 - (0) 35.49.32.411
Fax +39 - (0) 35.49.32.409
info@italgru.com
www.italgru.com