

Offshore Oil and Gas

Drill string compensator and riser tensioner

- (1) Crown Block Compensation Device
- (2) Riser Tension

Hoisting and rotating system

- (3) Mast
- (4) Drill Wireline
- (5) Travelling Block
- (6) Top Drive
- (7) Drawworks
- (8) Rotary Table
- (9) Deadline Anchor
- (10) Wireline Spooler

Pipe Handling System

- (11) Pipe Deck Crane
- (12) Catwalk
- (13) Horizontal to Vertical Arm (HTV)
- (14) Power Mouse Hole
- (15) Pipe Racking Machine
- (16) Adjustable Fingerboard
- (17) Iron Roughneck
- (18) Mud Splash Box
- (19) Elevated Back-up Wrench

Underwater equipment transfer system

- (20) Riser Gantry Crane
- (21) Riser Catwalk
- (22) Drill Floor Mechanic Arm
- (23) BOP Transporter
- (24) Christmas Tree Transporter (main deck)
- (25) Christmas Tree Transporter (moon pool)

Mud system

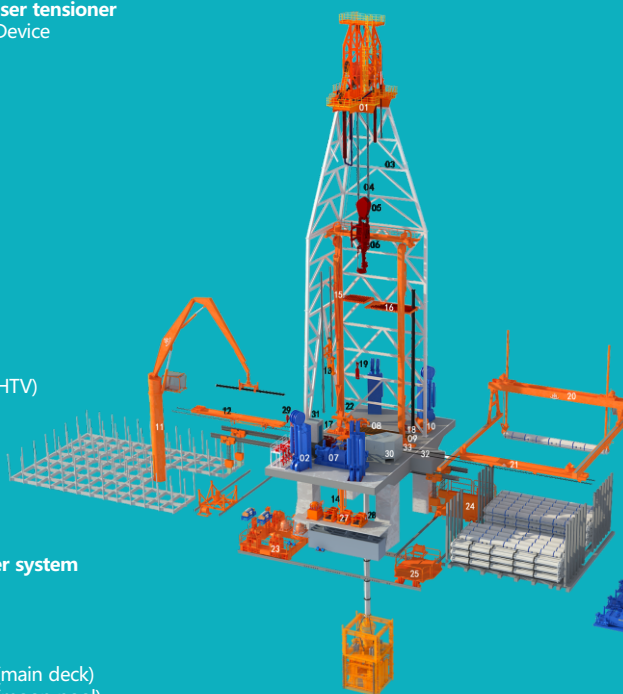
- (26) Mud Pump
- (27) Shale Shaker
- (28) Degasser
- (29) Liquid-gas Separator
- Bulking System
- Mud Mixing System
- Trip Tank

Electrical drive and control system

- (30) Driller's room
- Building driller's cabin

Other

- (31) Man-riding Winch
- (32) Winch
- (33) Cathead
- (34) Moon Pool Man-riding Basket
- (35) Drill Floor Man-riding Basket
- (36) Main Hydraulic Unit

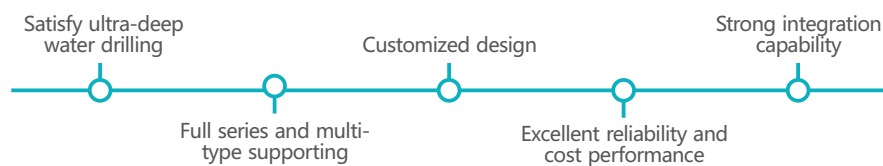


Floating Platform Drilling Equipment System

With a complete floating platform drilling equipment system supporting capability, Honghua can provide a full range of drilling equipment systems, supporting operating water depths up to 3,048 m, drilling depths up to 15,000 m, and hook loads up to 1,125 tons.

Honghua has provided multiple sets of drilling equipment systems for drilling ships. With rich experience in supporting offshore rigs and strong drilling equipment system integration capabilities, Honghua can provide integration with other platform systems, or cooperate with other mainstream brands of drilling equipment. According to the layout and operation mode requirements, Honghua can provide different types of drilling equipment, a full set of automatic drill string and riser handling system and intelligent drilling control system. Meet the operational requirements under harsh working conditions in the full water area.

Design and construction in accordance with ABS, DNVGL, CCS and other classification society certification other standards and specifications.



Seabed Frame & Lower System

- (1) Seabed Frame(SBF)
- (2) SBF Cable Winch
- (3) SBF Lower System -Crown Block
- (4) SBF Lower System -Winch
- (5) SBF Lower System -Spooler
- (6) SBF Lower System-Compensator
- (7) SBF Lower System-APVs

Hoisting and Rotating System

- (8) Mast
- (9) Hoisting Cylinders
- (10) Compensation Cylinders
- (11) Top Drive
- (12) Support Table
- (13) Drill Line

Pipe Handling System

- (14) Knuckle Boom Crane
- (15) Tubular Feeding Machine
- (16) Iron Roughneck

Mud System

- (17) Mud Pumps
- (18) Bulk Tanks
- (19) Surge Tanks
- (20) Mud Tanks and accessories

CPT System

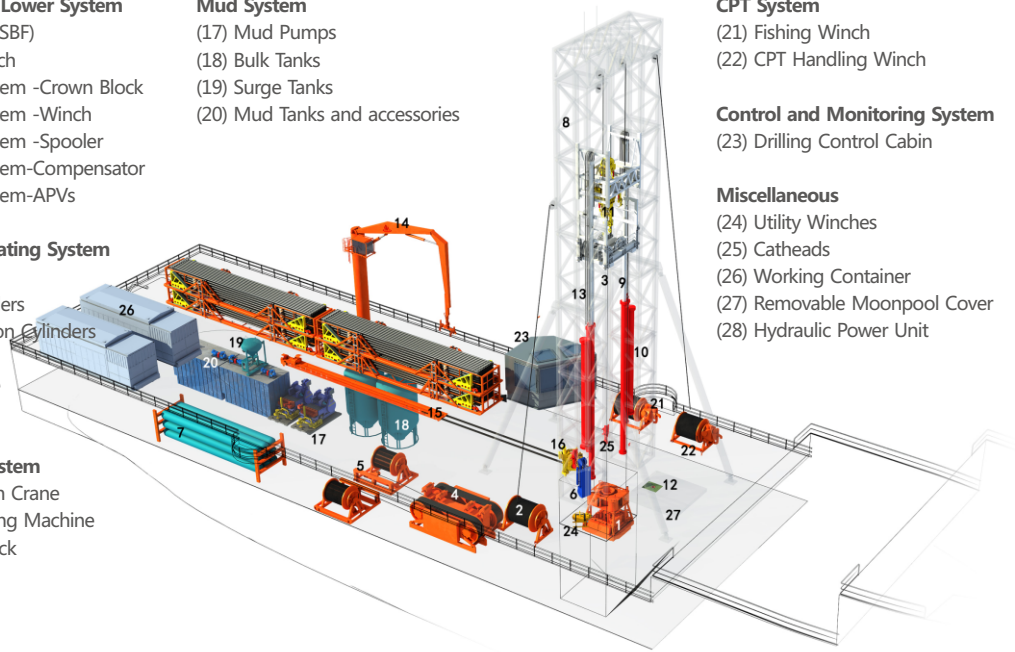
- (21) Fishing Winch
- (22) CPT Handling Winch

Control and Monitoring System

- (23) Drilling Control Cabin

Miscellaneous

- (24) Utility Winches
- (25) Catheads
- (26) Working Container
- (27) Removable Moonpool Cover
- (28) Hydraulic Power Unit



Marine Geological Survey Ship Drilling System

With the full-water survey ship drilling system capacity and the hook load of 20 tons ~ 225 tons, the Group can provide a complete survey rig supporting equipment system.

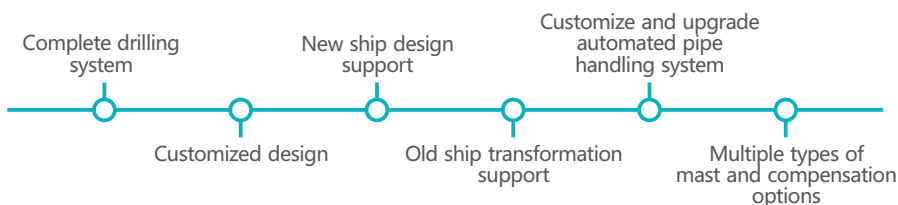
Provide the overall design support for survey ships, which can be customized according to customer needs.

Customize the complete automated pipe and sampling tool handling systems.

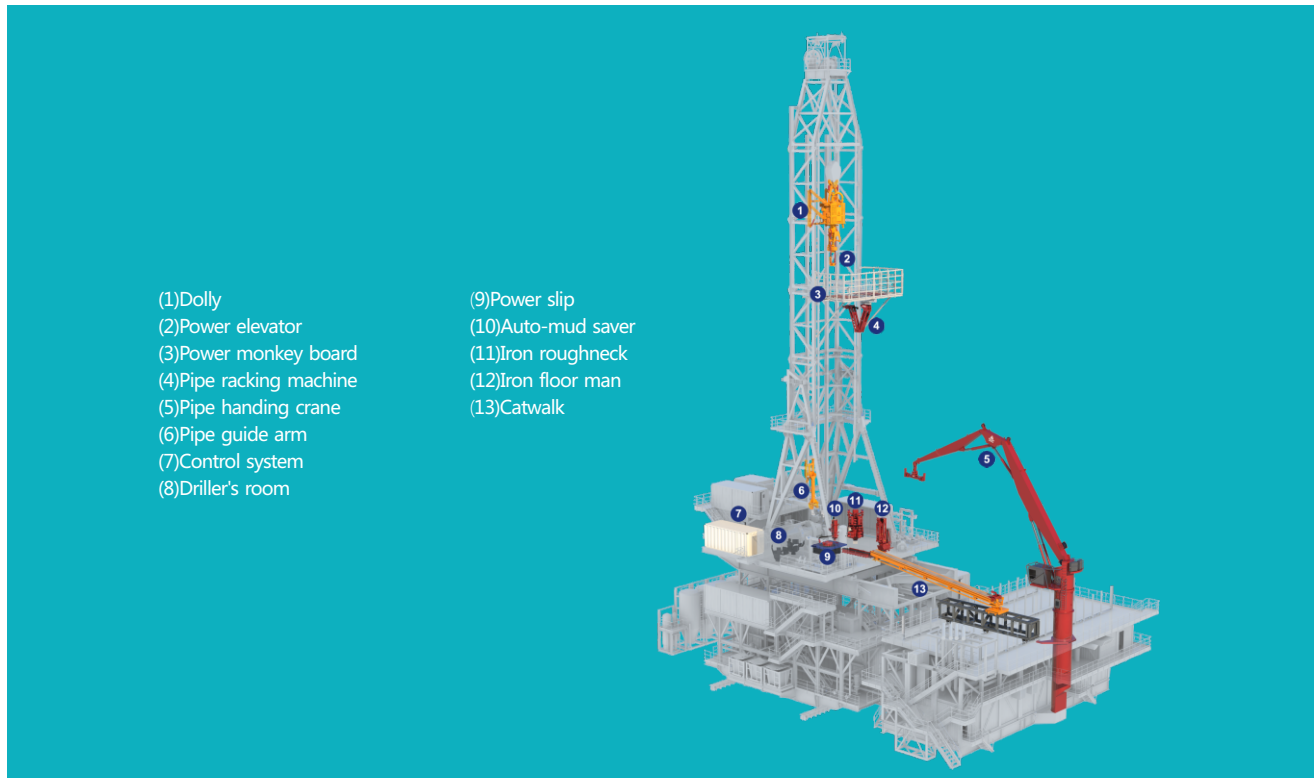
Provide full depth submarine substrate.

Provide drill string compensation system and seabed system.

Design and construction in accordance with ABS, DNVGL, CCS and other classification society certification, other standards and specifications.



Offshore Oil and Gas ▼



Fixed Platform Drilling/workover and Automatic Handling System

With a complete fixed platform drilling/workover rig capacity, Honghua Group supports drilling depth from 1000 ~ 9000m and hook load from 90 tons to 680 tons and can provide complete drilling/workover machine equipment and a full set of automated pipe handling system.

Honghua has provided customers for dozens of sets of workover rigs.

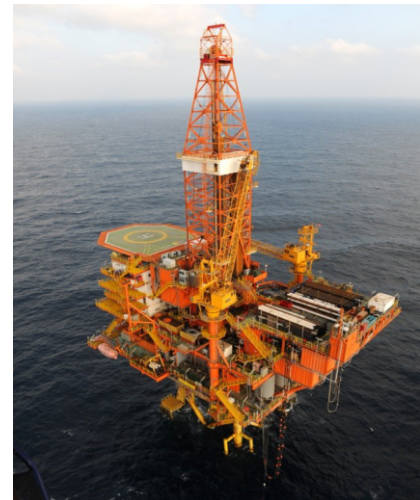
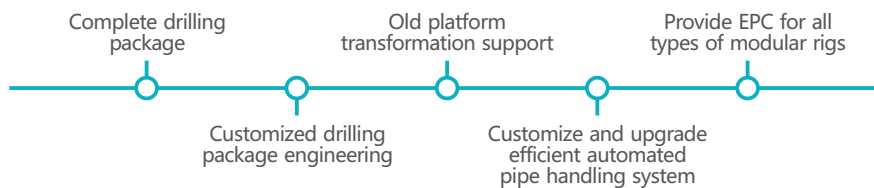
Provide drilling rig/workover rig engineering for fixed platform.

Customize the drilling/workover rig according to user requirements, including automated pipe handling system.

Provide old platform upgrade and transformation engineering support.

Provide various modular rigs EPC service.

Engineering and construction in accordance with ABS, DNVGL, CCS and other classification society certification other standards and specifications.

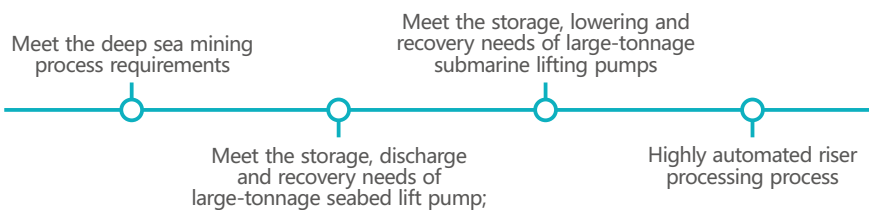




Ocean Surface Support System for Deep Sea Mining

The complete deep sea mining vessel ocean surface support system supports the working water depth from 1000 to 6000m, provides a complete riser processing and hoisting system, riser hang-off and submarine lifting pump system, constant tension system, dehydration treatment system and electric control system, and is used for storage, lowering and recovery of riser, submarine lifting pump and other equipment and dehydration of the ore pulp.

Honghua has provided the complete ocean surface support system for the Nautilus mining vessel. Design and construction in accordance with ABS, DNVGL, CCS and other classification society certification, other standards and specifications.



Marine Engineering ▼

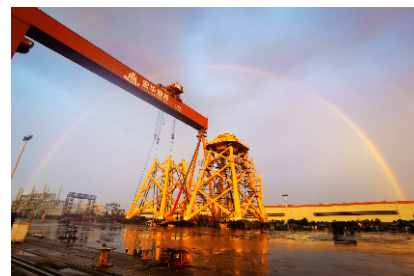
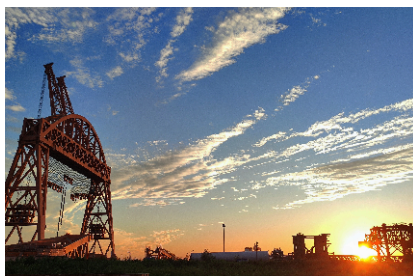


Honghua Marine Equipment Manufacturing Base has superior geographical conditions, good site and dock resources, construction capabilities of oil and gas modules, offshore wind power and ships, 1,770 meters of coastline and the largest single plant in East China, covering an area of 1.4 million m². By innovating the idea of marine engineering construction: Marine equipment made on land, the Group has achieved overall construction of LNG industrial chain related products, ocean engineering equipment, large modules, offshore wind power structures as well as special ship construction and commissioning on the land area.

With the huge hoisting capacity and mobile lifting capacity of "Honghai", Honghua can lift and launch the equipment as a whole.

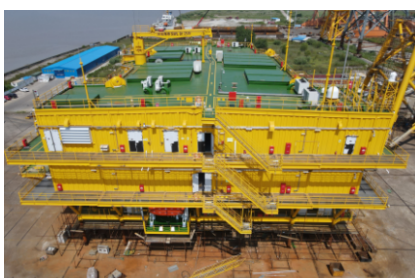
Honghua has provided customer with hundreds of sets of offshore wind power platform foundation and related facilities, including offshore booster station, jacket, floating wind power foundation, wind power single pile, steel pipe pile, transition section, cage, pile stabilization platform, positioning frame, tower cylinder and wind power operation and maintenance platform.

Honghua has undertaken the construction of several sets of FPSO modules, oil production platform topside module EPC, oil drilling platform topside module EPC and platform supply vessel, self-elevating wind power operation & maintenance platform, fire-fighting vessel and other special vessels.





Platform supply vessel (PSV)



Booster station topside module



Self-elevating wind power operation and maintenance ship



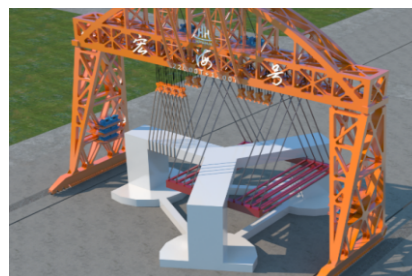
Oil- barge



Lifting and launching for special engineering ships as a whole



PL19-3 platform rig module EPC



Integral launching of floating wind power foundation

Offshore Wind Power ▼



Jacket



Booster station



Jacket



Jacket