

**ROYAL IHC**

# REFERENCES

**INDEPENDENT DESIGN AND ENGINEERING PROJECTS**



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## KEY REFERENCES DESIGN AND ENGINEERING



### TRAILING SUCTION HOPPER DREDGE

Concept design and basic engineering of two 6500m<sup>2</sup> trailing suction hopper dredgers owned by CCCG Group and built at ZPMC. The sister vessels Hang Jun 6008 and Hang Jun 6009 entered service in 2019 and 2020 respectively and are outfitted with an IHC-supplied dredging installation.



### PIPELAY VESSEL

Concept design and basic engineering of a 300t top tension flexible pipelay support vessel to be constructed at a local shipyard in Brazil. The complete pipelay system was supplied by IHC. Upon delivery the 133-meter vessel owned by a Seadrill SapuraKencana joint-venture entered long-term charter with Petrobras.



### TRAILING SUCTION HOPPER DREDGE

Concept design and basic engineering of the 6540m<sup>2</sup> trailing suction hopper dredger Magdalen delivered in 2017 for Weeks Marine, built in the United States. A package of key components such as the dredging and automation system was supplied by IHC as well. A follow-up order for its sister-vessel R.B. Weeks was placed in 2020.



### TRAILING SUCTION HOPPER DREDGE

Concept design and basic engineering of the 7200m<sup>2</sup> Bin Gang Jun 8 trailing suction hopper dredge. The 111-meter vessel was specifically designed for port maintenance of the Binzhou Port Group and started operations in 2019.



### CUTTER SUCTION DREDGE

Concept design and basic engineering of a 746kW cutter suction dredge for Manson Construction Company. The Robert M. White was built by a shipyard in the United States and launched in 2017.



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# SELECTED REFERENCE PROJECTS DESIGN AND ENGINEERING

| <b>MARKET</b> | <b>SCOPE</b>   |
|---------------|--|
| Dredging      | <ul style="list-style-type: none"><li>Concept design of a 4000m<sup>2</sup> marine aggregate dredger</li><li>Concept design, engineering and equipment package of four bucket wheel dredgers</li><li>Concept design, engineering and equipment package of a 7000m<sup>2</sup> hopper dredger</li><li>Concept design of a water injection frame and a-frame</li><li>Concept design of an inland trailing suction hopper dredger</li><li>Equipment engineering and CFD calculations for a trailing suction hopper dredger</li><li>Conversion engineering of a large spud carrier</li></ul> |
| Offshore      | <ul style="list-style-type: none"><li>Basic design, detailed and production engineering of a jack-up vessel</li><li>Concept design of a semi-submersible barge</li><li>Conversion design and engineering of a sheerleg for salvage project</li><li>Design check of an offshore utility vessel</li><li>Basic and detail engineering of an 8-point mooring system for a heavy lift vessel</li><li>Conversion engineering for a heavy lift vessel</li></ul>   |
| Cruise        | <ul style="list-style-type: none"><li>Concept and basic design (FEED) for a luxury cruise vessel</li><li>Basic and detailed engineering of an inland cruise vessel</li><li>Detailed engineering for outfitting of a series of three large cruise vessels</li><li>Detailed engineering for piping and outfitting of a series of two large cruise vessels</li></ul>  |
| Yacht         | <ul style="list-style-type: none"><li>Mechanical / piping design and detail engineering of two newbuild superyachts</li><li>Hull engineering and production engineering of two newbuild superyachts</li><li>Detail engineering superyacht hull lengthening and refit project</li><li>Basic engineering of a newbuild expedition yacht</li></ul>  |
| Fishery       | <ul style="list-style-type: none"><li>Concept design and basic engineering of a stern trawler</li><li>Conversion engineering of a fishery research vessel</li></ul>  |
| Civil         | <ul style="list-style-type: none"><li>Detailed and production engineering of a dry dock gate</li><li>Basic engineering of a crane barge</li></ul>  |

More information on each of these projects can be made available upon request.



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