

No enGineErS
no Future!



Ships' hull launched in record time

MULTI.engineering succeeded in meeting the very ambitious time schedule of shipyard

Detail design of steel hull structure and piping engineering package for the technical spaces and accommodation of a 5500m³ TSHD.

"It was an enormous ambitious planning from the yard. There were only 8 months of free docking space in between 2 other projects. We are proud of our contribution to the success of the project." Niko Fierens (Director MULTI.engineering)



**THE TECHNOLOGY
INNOVATOR.**



CLIENT

- Developing, designing and building ships and equipment for the dredging and offshore industry,
- Approx. 3000 employees
- 39 facilities worldwide
- Turnover approx. € 900 mln./year (2018)
- 150 projects >€ 50 mln. since 2000
- 2350 projects <€ 50 mln. since 2000



ASSIGNMENT

Detail Engineering for the disciplines Machinery and Piping (M&P) and Hull (SB).



LOCATION

MULTI.engineering Offices Temse and Vlissingen.



MULTI.engineering SERVICES

Development of all machinery arrangement drawings | Development of hull construction drawings.



ADDED VALUE

Experience and knowledge at MULTI ensures that a very large amount of work has been done in a limited and very short timeframe.



MULTI supports with engineering team

IHC Merwede was awarded the newbuilding contract of a Trailing Suction Hopper Dredger vessel of 5500m³ for a South-African owner. The basic design was executed by IHC VUYK Engineering Rotterdam.

A multidisciplinary team of MULTI.engineering has prepared the detail design of both the steel hull construction as well as of the complete piping and mechanical design.

The shipyard has succeeded in meeting the very ambitious time schedule with the help of the on very short notice assembled design team of MULTI.engineering. The ships' hull was launched within eight months after the start of the project.

"Thanks in part to MULTI.engineering's contribution, we were able to complete the project with the entire team within the stipulated period!"

Why MULTI.engineering?

MULTI.engineering has more than 20 years of experience in the field of basic and detail design with regard to the development of Dredgers. Focus areas are construction, piping and mechanical. This enables us to properly understand customer demand.

FACTS & FIGURES

- Vessel's name: Ileembe
- Trailing Suction Hopper Dredger
- Owner: Transnet National Ports Authority, SA
- Delivery year: 2015
- Length: 101.5 m
- Dredging volume: 5500 m³

PRINCE 2

Our Project Management Methodology is based on PRINCE2 which stands for Project's IN Controlled Environments, version 2.

PRINCE2 is all about best practices. After all, every project is different, the method offers something to hold on to. A number of principles, themes and processes recur with every project, but the interpretation can vary. The focus is on experience and drawing lessons from earlier projects or project phases.

Our methodology is laid down in our Project Management Manual (PMM).



PROJECT ENGINEERING TASKS

- Development of all machinery arrangement drawings
- Development of hull construction drawings



MULTI

.engineering

www.multi.engineering

ABOUT MULTI.engineering

- Maritime concept-, basic- and detail design
- Fleet Operational Support Services
- Approx. 110 maritime experts on board
- > 150 projects / year
- 6 facilities in Europe

CONTACT US

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