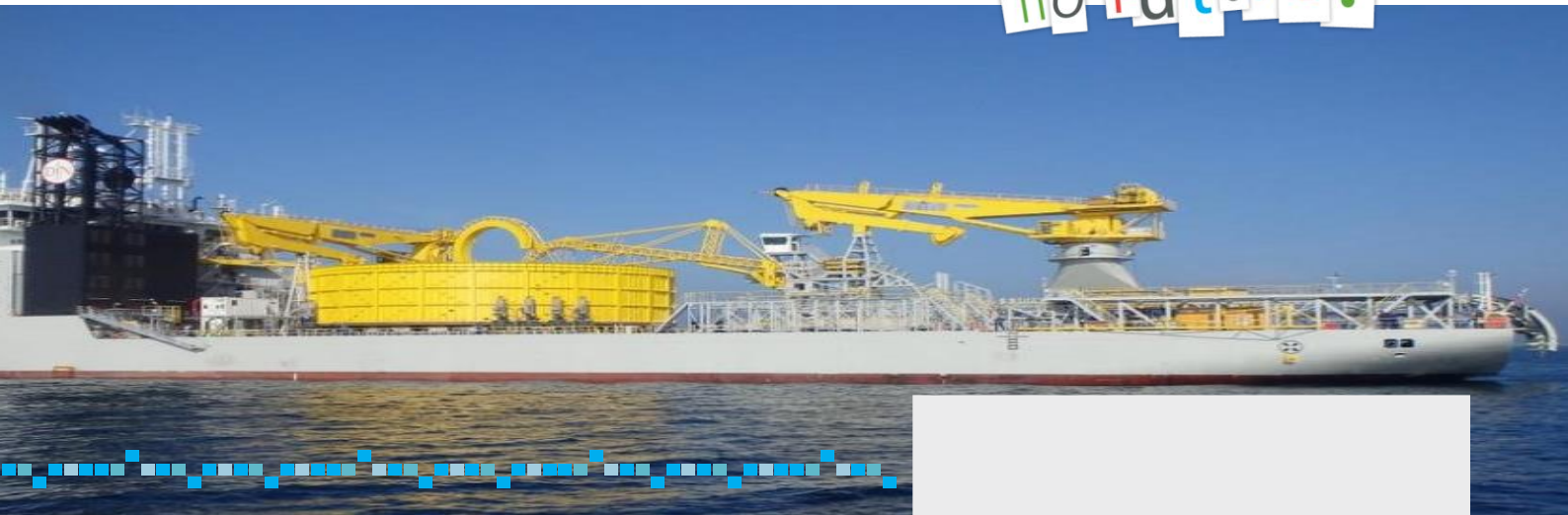


No enGineERs
no fuTure!



A Giant in Offshore Cable Installation

Engineering of the world's largest multipurpose cable laying vessel.

MULTI.engineering designed the cable laying system for the newbuilt multipurpose vessel Isaac Newton. Later on some adjustments had to be made to the vessel. Because of the familiarity with the project, MULTI.engineering was able to carry out the additional work quickly and effectively.

The vessel can install up to 10,700 tons of cable and is thereto equipped with a 7,400 ton capacity turntable above deck and a 5,000 ton capacity turntable below deck.

"The exact scope of the project was difficult to determine in advance. MULTI.engineering's expertise made it possible to gain a good insight into the actual scope, avoiding unnecessary activities."



CLIENT

- Contractor active in dredging, land reclamation, pipe laying, salvage and installation projects.
- Approx. 6,875 employees.
- Active in 38 countries.
- Turnover approx. €2000 mln./year (2019).
- 263 projects in 2019.
- Family owned.

ASSIGNMENT

Design of cable laying system.

LOCATION

MULTI.engineering Design and Engineering Office Temse.

MULTI .ENGINEERING SERVICES

Design drawings and calculation reports for class approval.

ADDED VALUE

With the experience and flexibility of the MULTI engineers Jan de Nul was able to finalize this incredibly challenging task within time.



MULTI.engineering supports with engineering team

Jan de Nul asked MULTI.engineering to design the cable goose neck, cable highway, overboard chutes and several foundations for all the supporting material on deck.

Several components were designed using FEM calculations and production drawings for all items were made.

"The "Isaac Newton" has turned out to be a more difficult project. Nevertheless, MULTI.engineering has delivered a good job in the eyes of the Client. Their team was very pleased with the cooperation."

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 and Offshore Support Vessels.

Focus areas are construction, piping and mechanical. This enables us to properly understand Client's demand.

FACTS & FIGURES

- Vessel's name: Isaac Newton.
- DP-2 multipurpose cable layer.
- Turntable capacity: 10,700 mT.
- Owner: Jan de Nul NV.
- Delivery year: 2015.
- Length: 138 m.



MULTI.engineering stands for:

One engineering family - our experts, our service team and our Clients are like family.

Top employer – it is our goal to bind strong engineers to us and to support them to grow.

Customer king - we want to understand profoundly the needs and concerns of our clients and will offer our expertise and full support to help them.

Sensational projects - our experts together with our clients achieve great results.



PROJECT ENGINEERING TASKS

- Development of design and production drawings.
- FEM calculations.

7 AFFORDABLE AND CLEAN ENERGY



17 PARTNERSHIPS FOR THE GOALS



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



MULTI

.engineering

www.multi.engineering

ABOUT MULTI.engineering

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

CONTACT US

MULTI.engineering
Orlaylaan 10, 9140 Temse
03 710 58 10
info.temse@multi.engineering

