



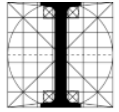
ASSOCIAZIONE DI INGEGNERIA OFFSHORE E MARINA

STUDI DI AGGIORNAMENTO SULL'INGEGNERIA OFF-SHORE E MARINA

"Nuove tecnologie, Nuove applicazioni, Nuove normative"

28 e 29 novembre 2016

Università degli Studi di Salerno
Ordine degli Ingegneri di Salerno
Ordine dei Geologi della Campania



ORDINE DEGLI INGEGNERI DELLA PROVINCIA DI SALERNO



ASSOCIAZIONE ITALIANA DI TECNICA NAVALE
Sezione Napoli - Sud Italia



ORDINE DEI GEOLOGI DELLA CAMPANIA



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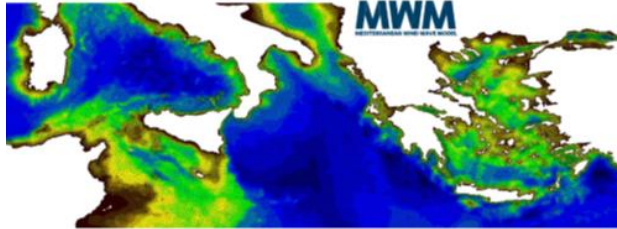
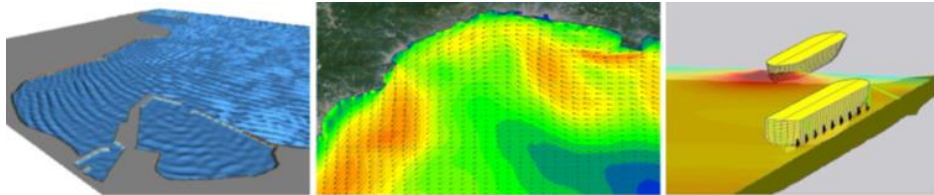
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Giovanni Besio
Giovanni Ferreri
Attilio Tolomeo



LITPACK

MIKE 21

MIKE 3



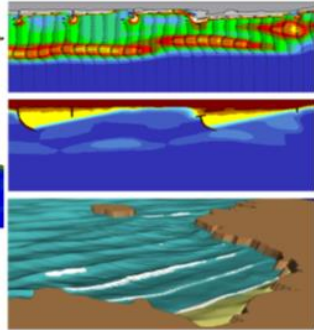
Modello 1D dei processi costieri



Modello 2D per aree costiere e offshore



Modello 3D per aree costiere e offshore



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GUARDIA COSTIERA



General Introduction

Carlo Boeri

Company Profile – Key Facts

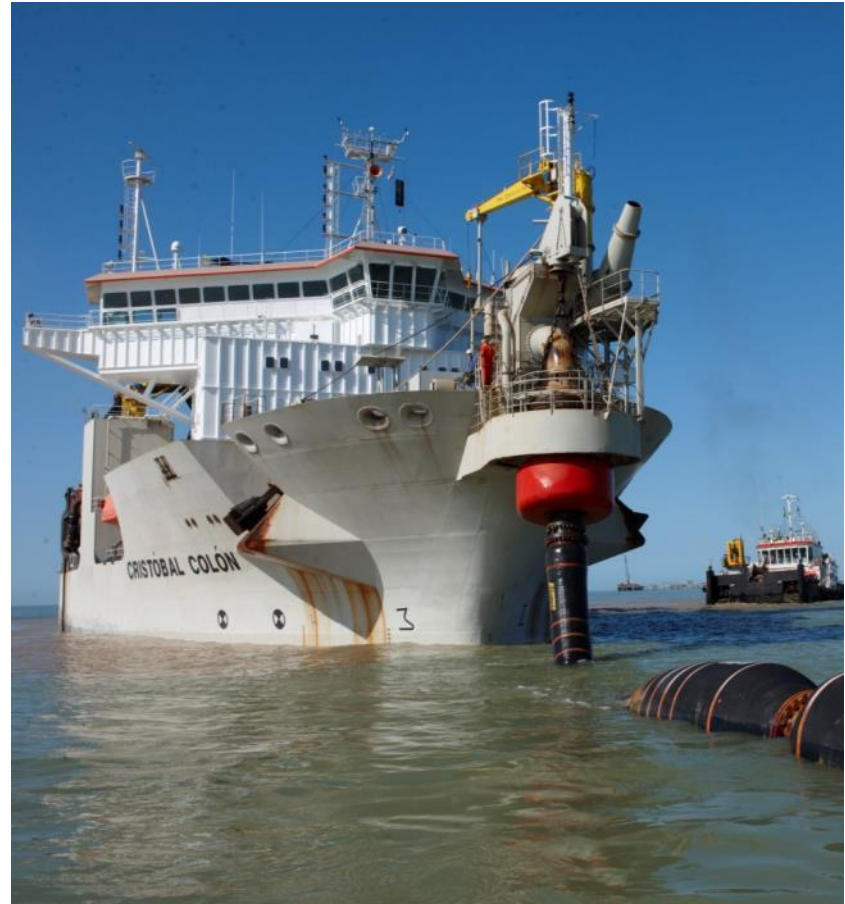
- 4 Main Activities
 - Dredging and Marine Works
 - Offshore Services
 - Civil Engineering Works
 - Environmental Works and Brownfield Development
- Ultramodern fleet
- Yearly turnover of 2.2 billion €



Equipment

Existing Fleet:

- 28 Trailing Suction Hopper Dredgers
- 15 Cutter Suction Dredgers
- 6 Backhoe Dredgers
- 20 Split Hopper Barges
- 7 Cable and Umbilical Installation Vessels
- 9 Subsea Rock Installation Vessels
- 2 Heavy Lift Vessel
- 1 Jack-Up Installation Vessel

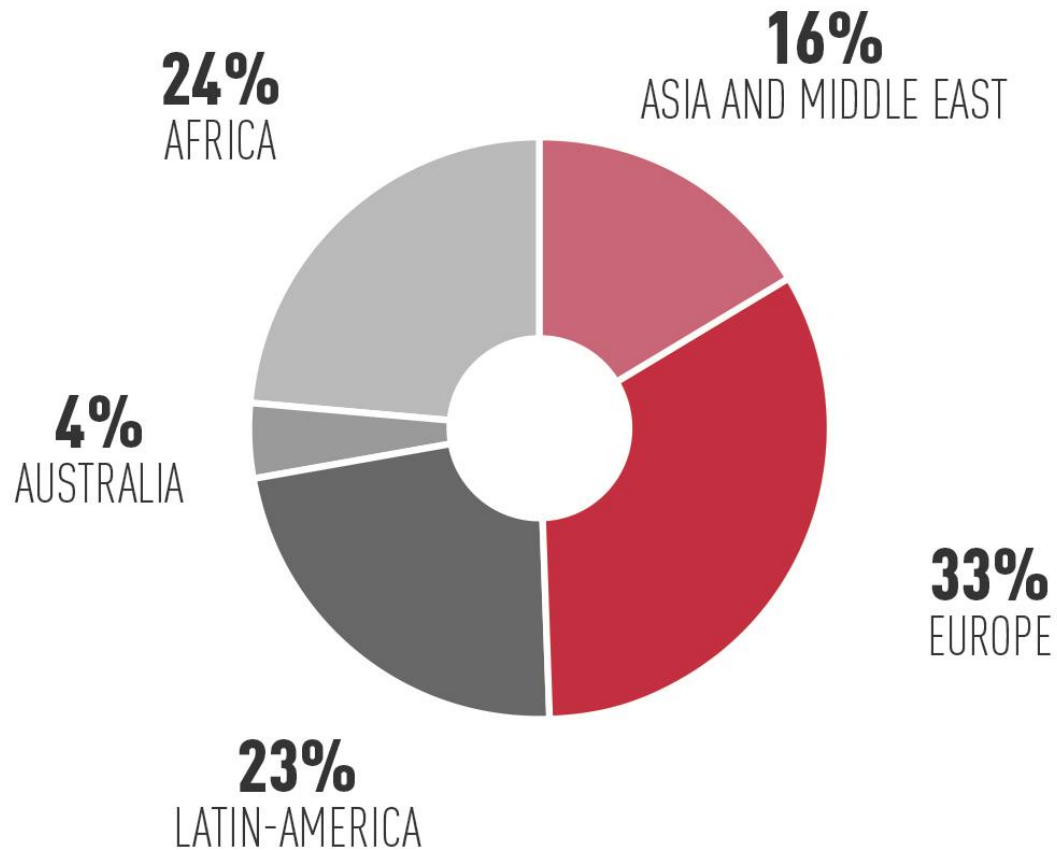


History

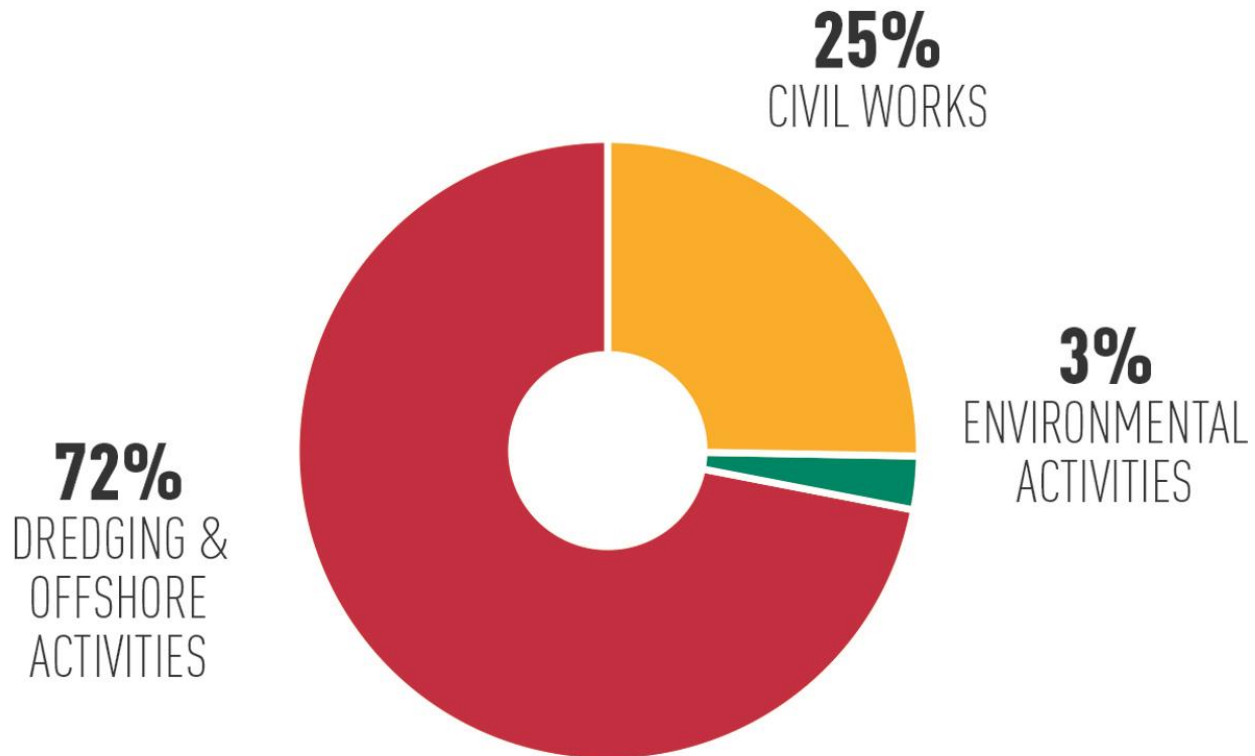
- 1938 - Jan De Nul as contractor of civil works
- 1951 - First dredging work
- 1973 - First project outside Europe
- 1996 - Envisan joins Jan De Nul Group
- 2007-13 - Fleet investment (47 new vessels)
- 2012 – PSR Brownfield Developers
- 2015 –Algemene Ondernemingen Soetaert nv



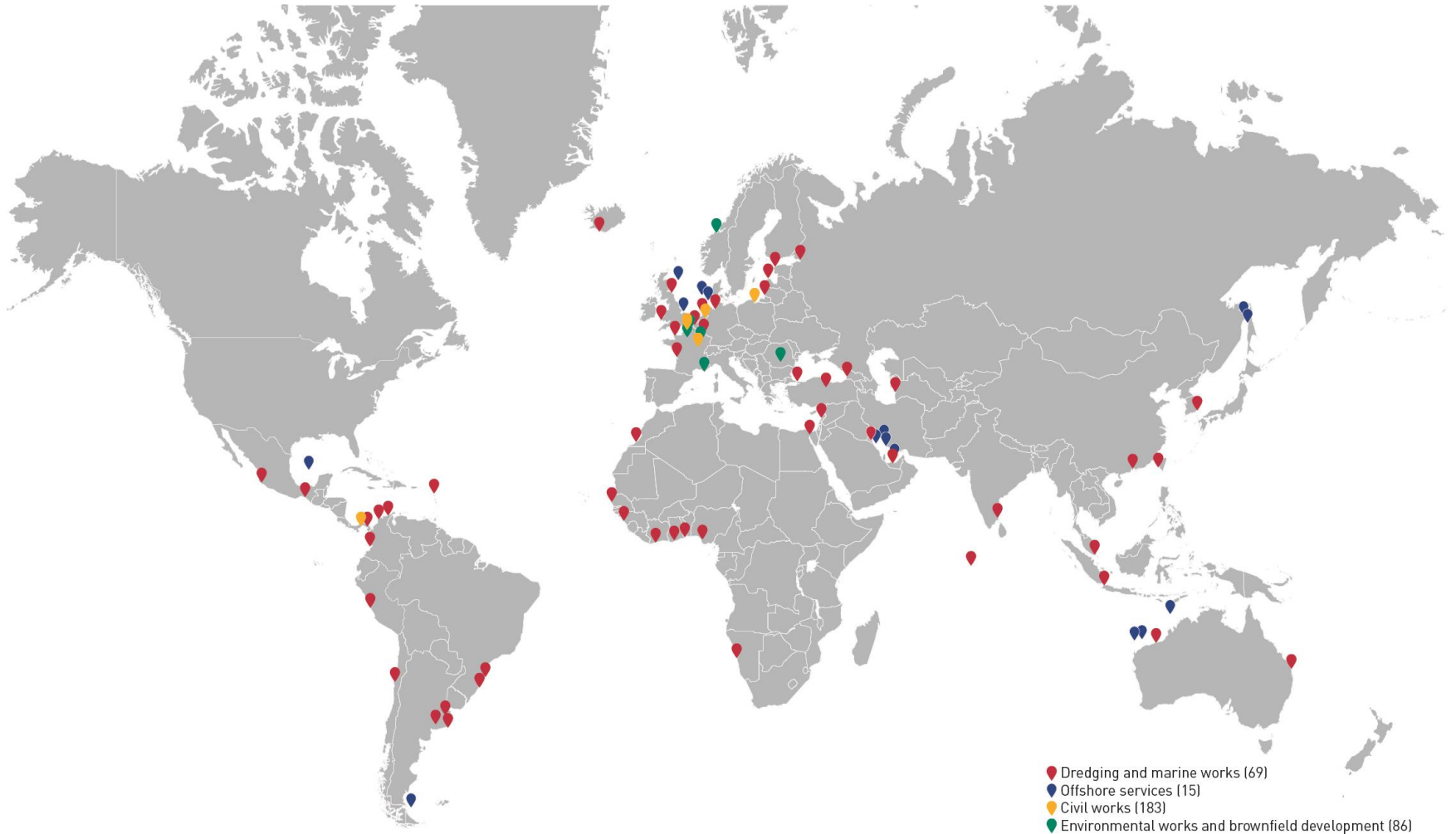
Regional Distribution of Revenue 2015



Revenue by Activity 2015



Projects 2015



Grazie per l'attenzione!



Contatti:

CARLO BOERI

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Dredging and Marine Services





Nigeria – Dangote Lekki Refinery Reclamation Project
TSHDs Cristóbal Colón, Leiv Eiriksson, Gerardus Mercator



Ghana – Extension of Existing Port Infrastructure in Takoradi
CSD Niccolò Macchiavelli



Egypt – New Suez Canal

CSD J.F.J. De Nul



France - Land Reclamation Works for the Construction of a Port Site in Cherbourg measuring 96.37 acres – SHB Tiger & BHD Mimar Sinan



Kuwait - Dredging and Expansion Works in the Ports of Al Ahmedi and Abu Halifa
CSD Kaerius



Australia – Land Reclamation Project for the Construction of a New Parallel Runway at Brisbane airport



Egypt – New Suez Canal
CSD Fernão de Magalhães



UAE – Palm Island II (Jebel Ali) in Dubai
Reclamation and Stone Revetment Works



Vietnam – Ha Tinh Steel Mill Complex

TSHDs Leiv Eiriksson, Cristóbal Colón & Vasco da Gama



The Netherlands – Dutch Coastal Protection Program

TSHD Charles Darwin



Argentina - Proyecto GNL Escobar
CSD Ibn Battuta



Argentina - Rio Paraná and Rio de la Plata Maintenance Dredging
TSHD Sanderus



Brazil – Access Channel and Port Basin Dredging in Itajaí
TSHDs Charles Darwin and Niña



Brazil – Deepening dredging in the Ports of Salvador and Aratu
CSD Hondius



Oman – Construction of New Port of Duqm
CSD J.F.J. De Nul and SHB Santiago



France - Construction of Harbour Facilities for the Future LNG terminal
in the Outer Harbour of West-Dunkirk



Mexico – Maintenance and Capital Dredging in the Port of Guaymas
TSHD James Cook



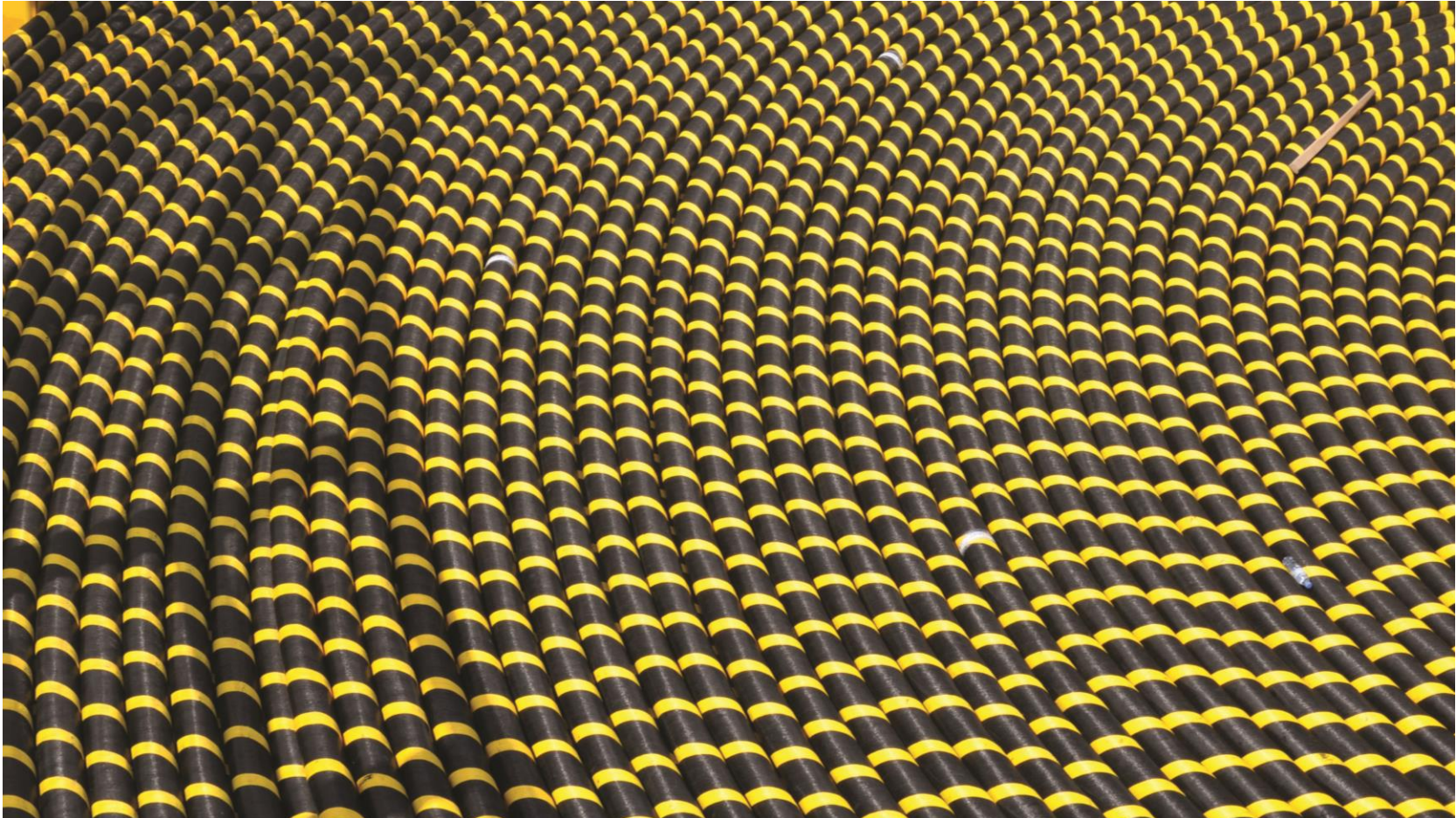
Brazil - Shipyard Enseada do Paraguaçu

TSHD Pedro Alvares Cabral and CSD Niccolò Machiavelli



Panama Canal - Widening and Deepening of the Atlantic entrance & North Approach Channel to the Third Set of Locks

Offshore Services





Belgium – Alstom Belwind Demonstration Project
CLV Simon Stevin



Belgium – Offshore Windpark Nobelwind
JUV Vole au vent



Sweden – Design, Construction and Installation of 16 Concrete Foundations for the Offshore Kårehamn Wind Farm



Norway – Loading of a 101 km Long Power Cable of 8,500 tonnes for the Marjan GOSP Project in Saudi Arabia - CLV Isaac Newton



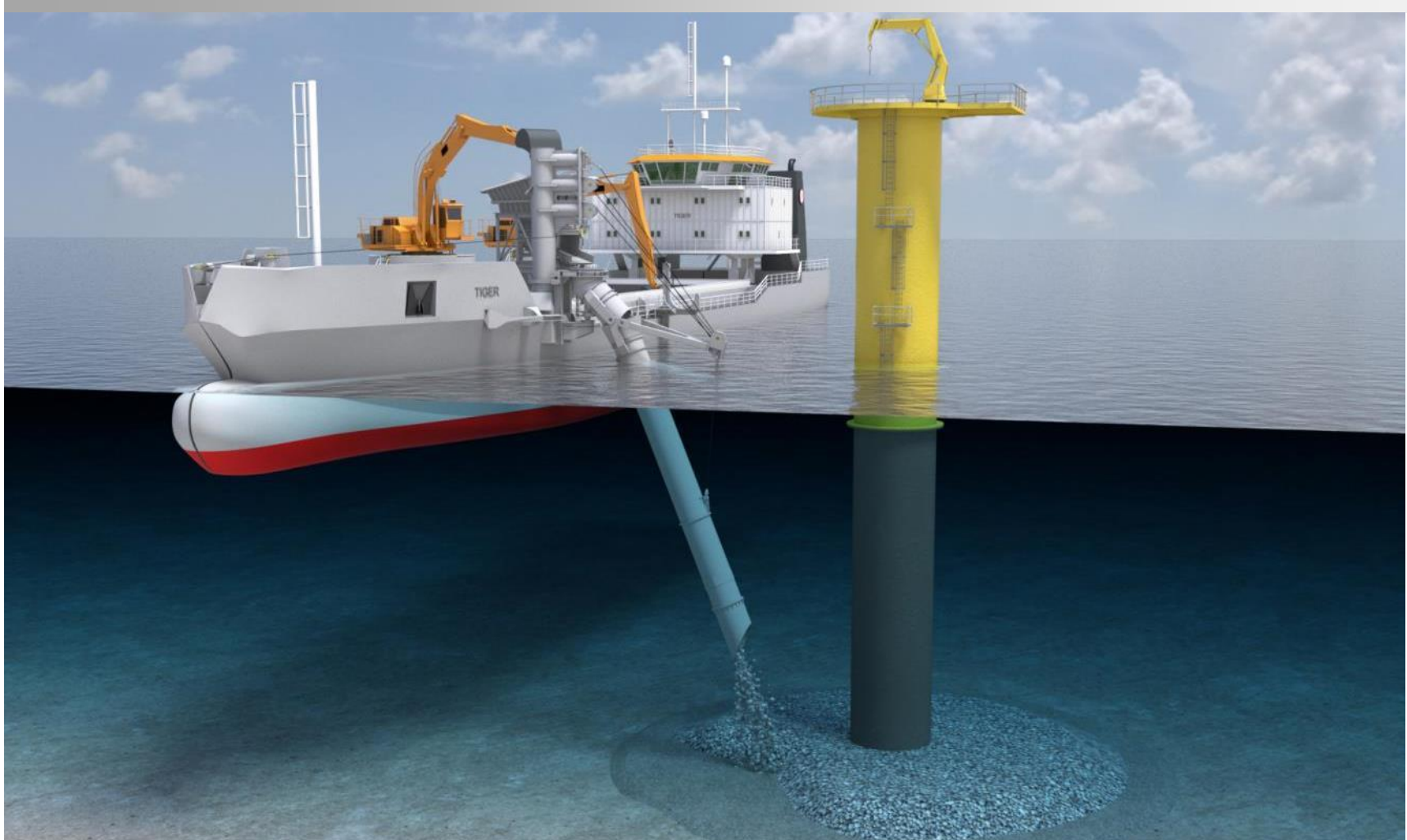
Saudi Arabia – Transport and Installation of Subsea Power Cables for the Marjan Zuluf Field Facilities - CLV Willem de Vlamingh



Great Britain - Rock installation Works to Protect the Foundations of the Offshore Wind Farm Gunfleet Sands – SRIV Simon Stevin & FPV Tiger



Belgium – Northwind Offshore Wind Farm Project
CLV Willem De Vlamingh



Germany – Installation of Scour Protection for the Butendiek Offshore Wind Farm
FPV Tiger



Russia – Specialized Offshore Services for the Sakhalin Project
FPSO Simon Stevin near the Molikpaq Offshore Platform

Civil Engineering Works





Panama – Design and Construction of the Third Set of Locks of the Panama Canal



Belgium – Construction of the Deurganckdok Lock in the Port of Antwerp



Belgium – Construction of the New Lock in Harelbeke



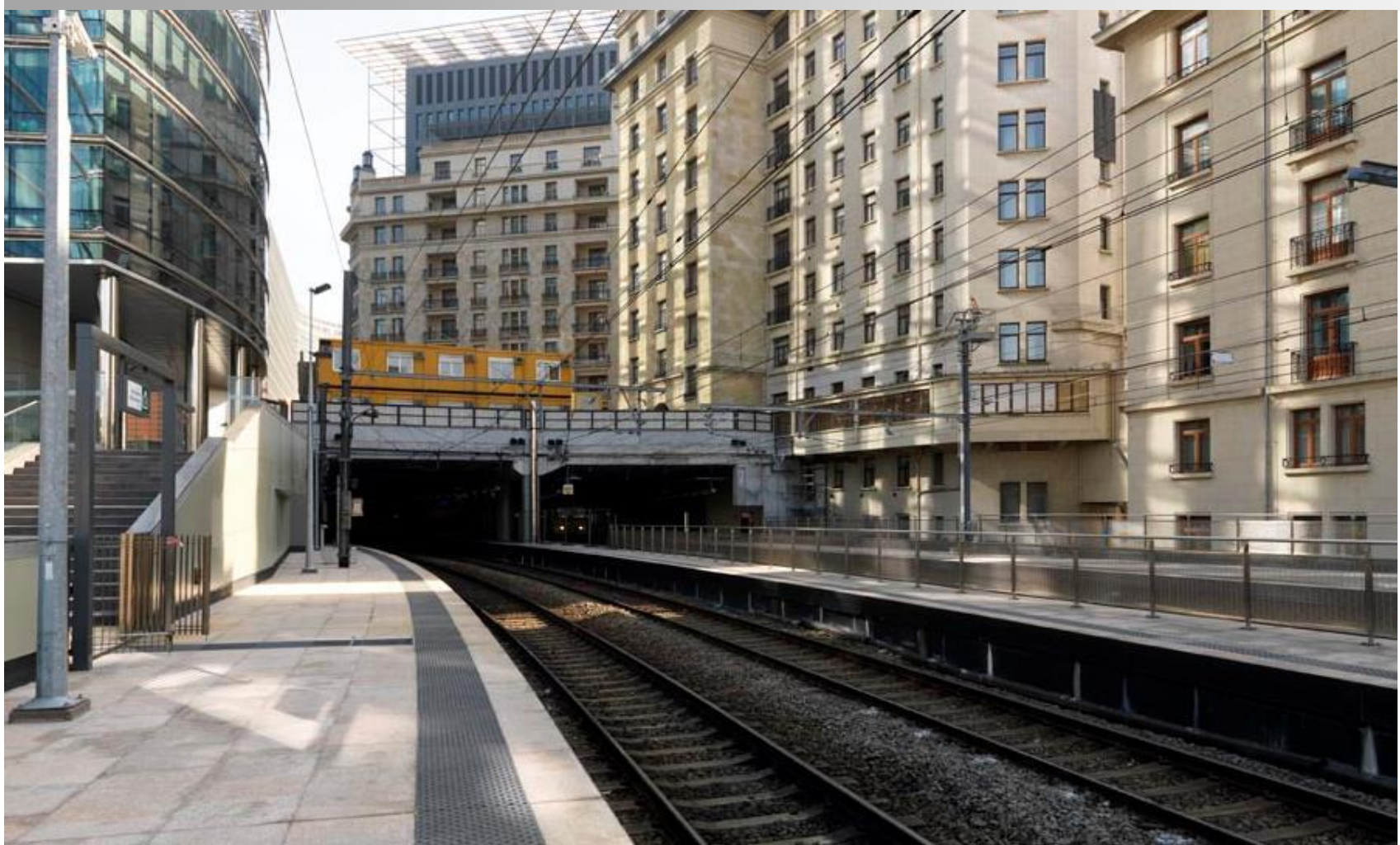
Belgium – Construction of the Highway Connection A11 Bruges-Westkapelle



Belgium – Construction of the Railway Bypass in Mechelen



Belgium – Construction of the North-South Link Kempen



Belgium – Construction of the New Railway Junction Schuman-Josaphat in Brussels



Belgium – Construction of the Future European Council seat ‘Résidence Palace’
in Brussels



Belgium – Construction of a New Hospital in Kortrijk



Belgium – Construction of a Water Purification Plant in Waver

Environmental Works and Brownfield Development





France - Construction and Operation of a Groundwater and Sediment Treatment Centre in La Seyne-sur-Mer



Norway – Dredging and Revalorisation of Contaminated Sediments for Land Expansion in the Port of Trondheim



Belgium - Construction of a Ring Dike in Vlassenbroek using Sediments Dredged in the Scheldt between Gentbrugge and Melle



Romania – Pitesti: Reconversion of Existing Treatment Centre into Multifunctional Waste2Energy Plant



Belgium - Exploitation of a 13 ha Treatment Centre and Lagoon Fields in the Port of Ghent



France – Dredging and Treatment of Contaminated Sediments
in the Port of Dunkerque



Belgium – Remediation of the Former Carcoke Site in Brussels



Belgium – AMORAS Project in the Port of Antwerp
Mechanical Dewatering, Recycling and Application of Silt



Belgium – Terranova Project in Zelzate

Remediation and Rehabilitation Works at the Former Gypsum Landfill Site



Belgium – Brownfield Remediation and Urban Redevelopment Project '4 Fonteinen' in Vilvoorde



Belgium – Brownfield redevelopment of a former gas works site in Lier