

# **PIONEER**

The logo for Pioneer features the word "PIONEER" in a bold, blue, sans-serif font. The letter "O" is stylized as a blue, three-dimensional ring that loops around itself, with a smaller, lighter blue ring nested inside it, creating a sense of depth and movement.

**MARINE & OFFSHORE MANAGEMENT**

**BUSINESS = PEOPLE = TEAM SPIRIT**

**ALWAYS BE SAFE WITH PIONEER NAVIGATION**

# PIONEER

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Pioneer Navigation Global established in June 2017, and incorporated in Turkey. Pioneer Navigation Global, from his operating headquarters in Istanbul, offer full management, design, construction, operational and advisory services. General information about the building stage will be presented within next slides.



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## GENERAL PROCESS FOR EACH STAGE

Exploration



Construction



Production



Jack-up



Semi-submersible



Vessel

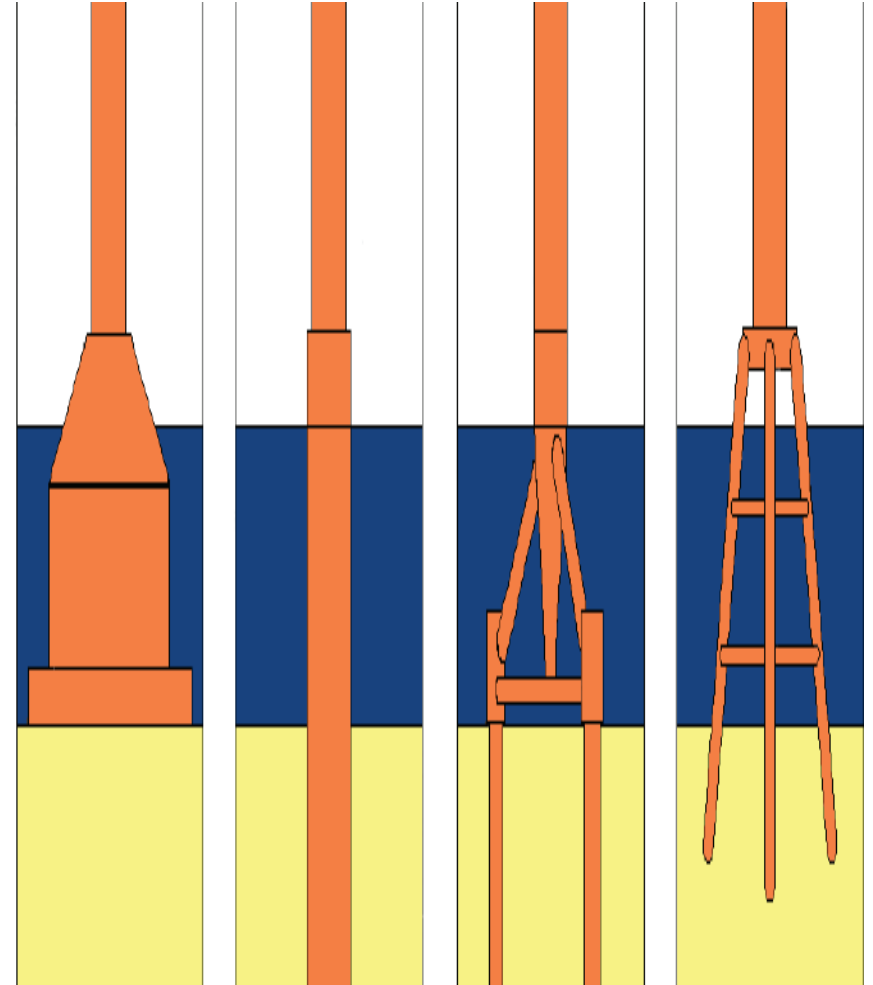
## Equipment for Offshore Wind Turbine Installation



## Installation of Gravity Foundations



## Transition Piece (Grouted) & Offshore Foundations



## Transition Pieces

Jack-up Wind



## Installation Monopiles Foundation Jackets, Tripod, Tripile



## Hammering Monopiles



## Transportation



## Installation & Equipments



## Steel Tower (Bumpers & Guides)





## Nacelle Installation

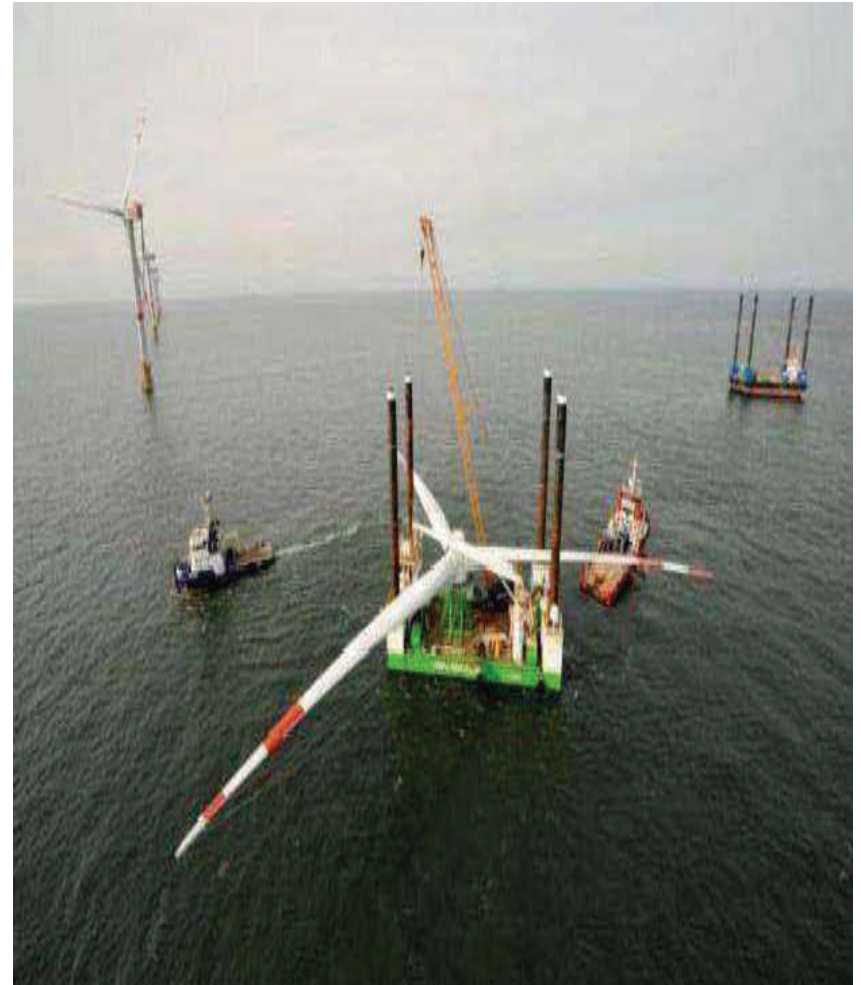


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## Preparations



## Transfer



## Turbine Installations





## FeedingOffshore



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## Cable Laying



## Crew & Service Vessels



## Other Vessels will be needed as well...

Totally up to 30 different vessels on the site at a time.

- Cable laying vessels
- Personnel transfer vessels
- Tugs
- Hotel Ships



## Port Logistics need to be planned at the beginning





**Pioneer Navigation Global will be glad to assist throughout the whole process.**



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