



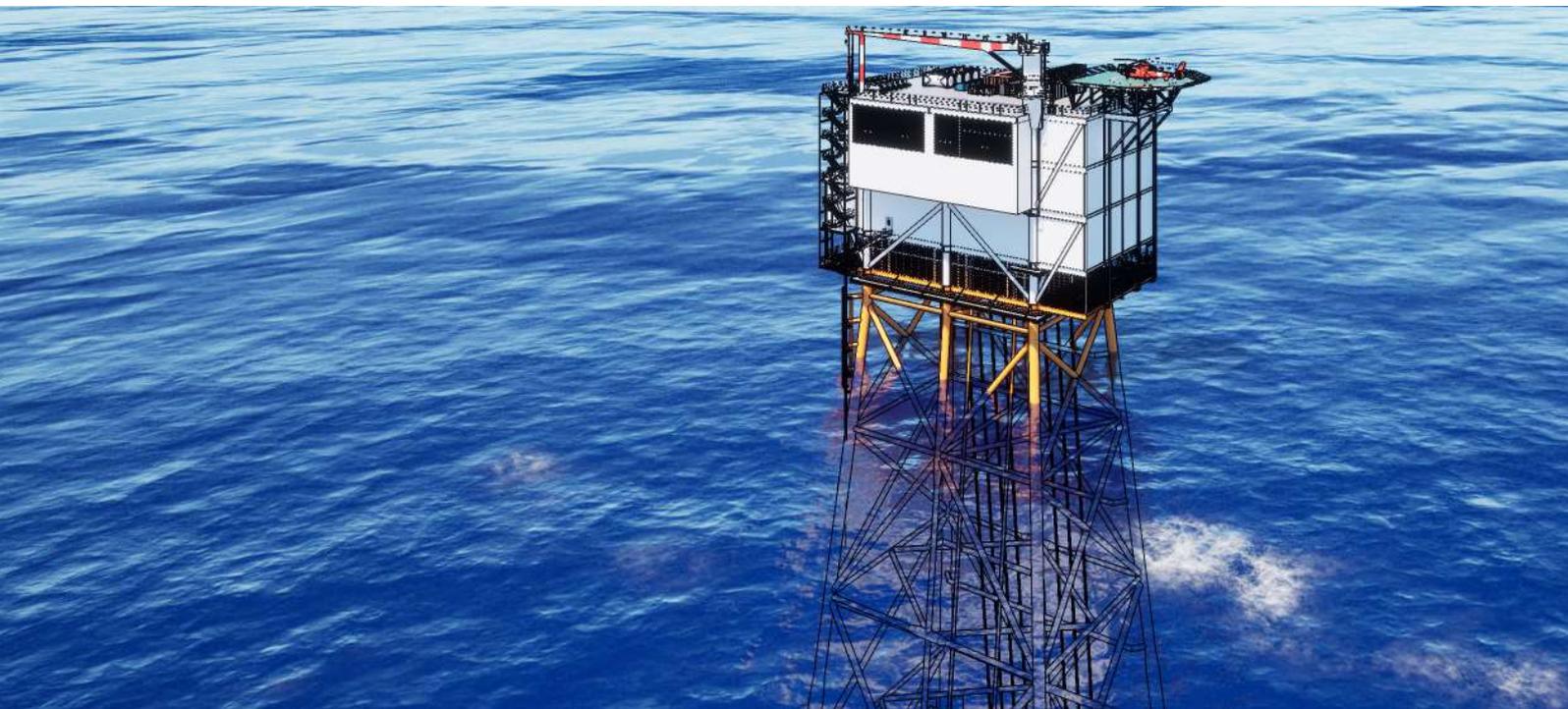
TECON

ENGINEERING DESIGN CONSULTING

**RENEWABLE
ENERGY
OFFSHORE WIND
STRUCTURES**



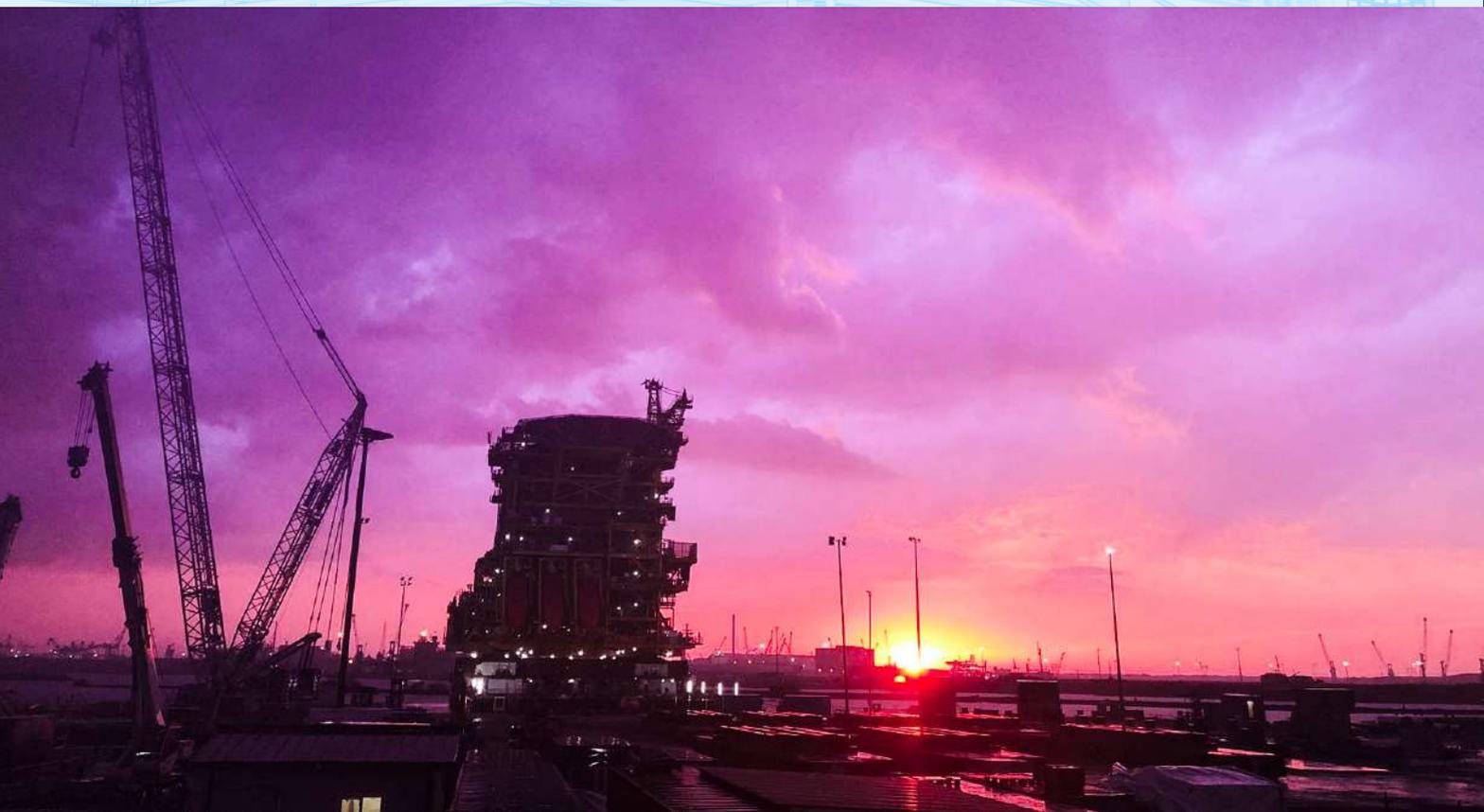
TECON
supplies
substructure
designs for
offshore
wind with
focus to cost
optimization &
constructability



We have been dealing with the offshore structures for renewable energy market for 10 years developing the design of fixed transformer and converter platforms and Offshore Wind Turbines foundations including feasibility projects of floaters for 15 MW turbines.

SERVICES:

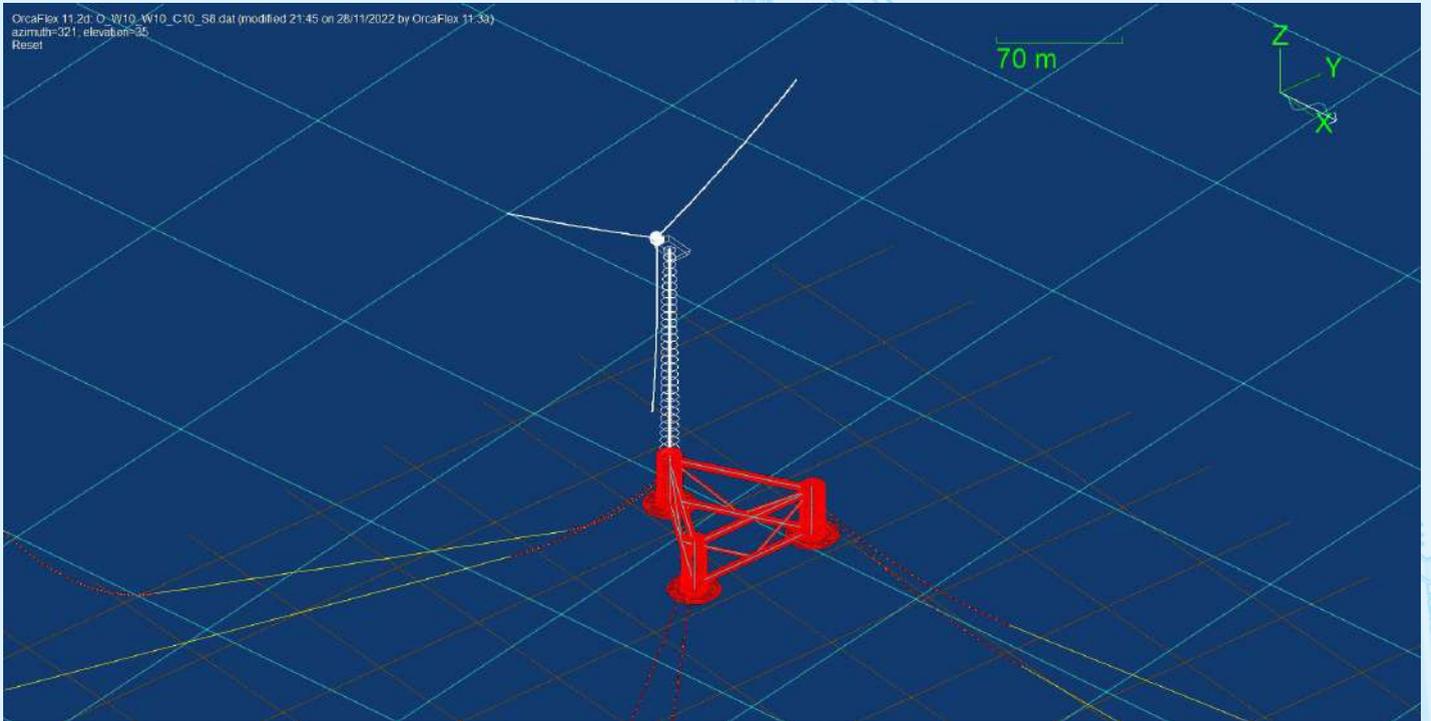
- Offshore Wind Turbine (WTG) fixed foundations
- Offshore Wind Turbine (WTG) floating foundations
- Offshore Wind Substation Fixed Platforms
- Steel Floaters
- Mixed Structures Concrete/Steel Floaters
- Feasibility & Screening studies with concept selection
- Floater Screening studies for Capex/Opex optimization & constructability
- Design Basis and Design Brief development
- Frequency and Time Domain Analyses
- Fully coupled analyses including wind turbine BEM and control model, mooring and floater dynamics
- Mooring System Configuration Screening
- Fatigue Analyses of Floater Special Components
- Geotechnical analysis and Foundation Design
- Corrosion protection
- Feasibility, Pre-FEED & FEED studies
- Fabrication, technical specifications, process/welding procedure/method statement review, inspections
- Construction/Assembly Yard Assessment
- Installation process/method statement review, pile drivability, installation concept studies





OrcaFlex 11.2d: O_W10_W10_C10_S8.dat (modified 21:45 on 28/11/2022 by OrcaFlex 11.3d)
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Reset

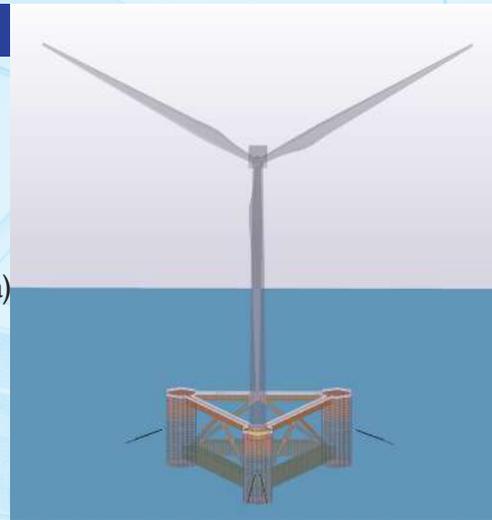
70 m



SOFTWARES:

- **Sacs** (by Bentley)
- **Moses** (by Bentley)
- **Ansys**
- **Orcaflex** (developed by Orcina)
- **DeepLines Wind™** (developed by Principia)
- **Hydrostar** (developed by Bureau Veritas)

For Floater Naval Analyses TECON is supported by the naval experts of OCEANIRA.



OrcaFlex 11.2d: O_W10_W10_C10_S8.dat (modified 21:45 on 28/11/2022 by OrcaFlex 11.3d)
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Reset

200 m





OFFICE - LOCATIONS



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