

Tubular Pile Pull-Out Test JIP

reducing cost of offshore foundations

FER / FPSO Week

Robert Kamp

June 2023



bluewater



Deltares



DEME



Jera

sofec



This project is supported by Energy Innovation NL and TKI Offshore Energy.

Unique set of pile test data collected

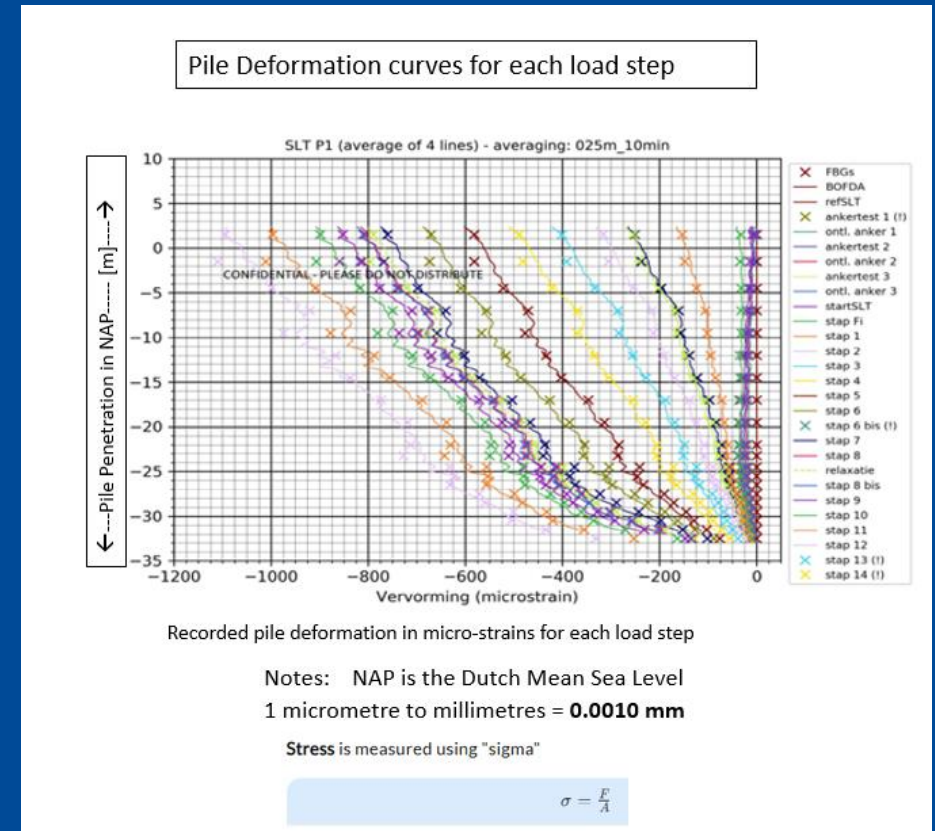
bluewater

- Load tests performed on 4 fully instrumented open steel tubular piles
- Static and cyclic load test program
- Compression as well as tension pile loading
- Tests completed during Q4 2022 and Q1 2023
- Interpretation of the data scheduled for 2023 and 2024
- Dutch subsidy scheme in place
- JIP supported by renowned research institutes
Deltares, NGI and TU Delft



Opportunity to join research stage

- Data set provides load transfer of the pile to the surrounded soil body over full pile length
- This data set will support the understanding of the SOIL – PILE interaction
- Improved capacity prediction using Unified CPT method
- Obtain acceptance by International Codes & Standards

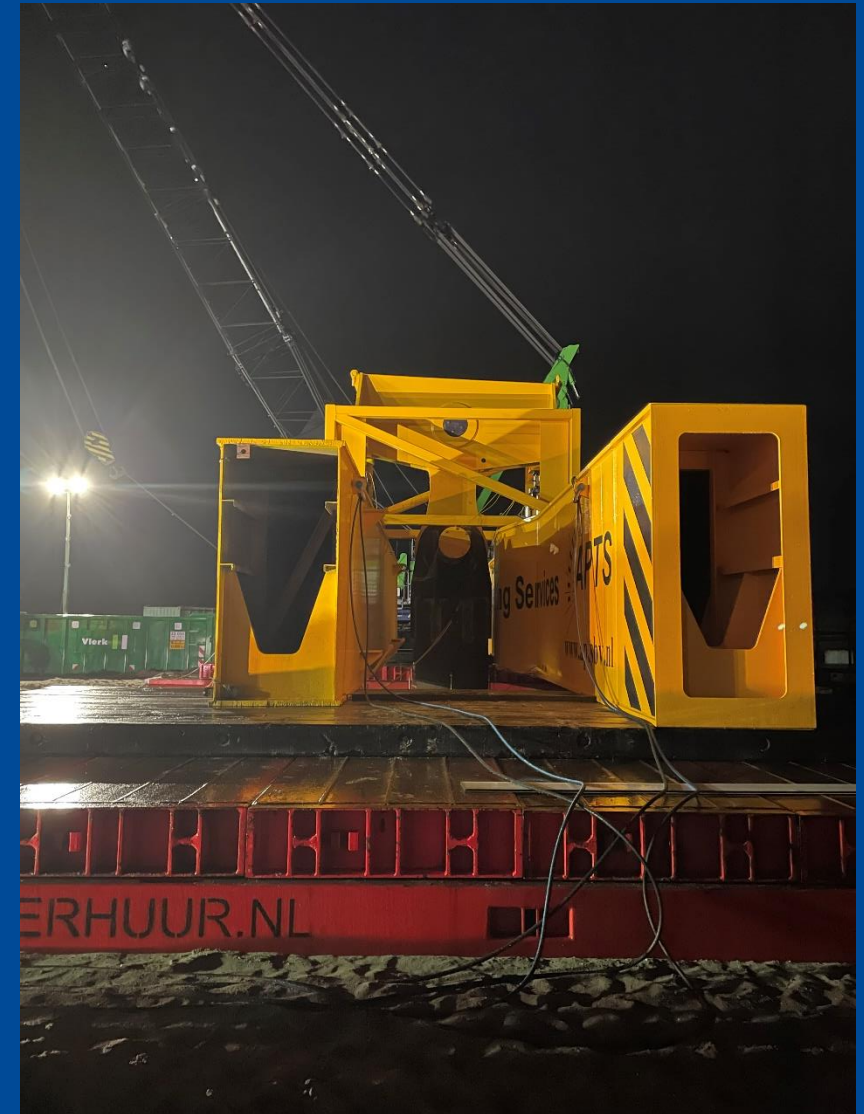


Why is this JIP relevant?

- Field tests and measurements give insight in dynamic soil parameters
- Gain knowledge for pile design, resulting in improved design codes

Which ultimately results in:

- Reduced cost and carbon footprint of anchor piles for offshore wind projects



Interested ?

bluewater

- New partners are invited to join this unique JIP
- Early access to full set of confidential test data
- Direct involvement in the research phase
- Be a part of our ambition to reduce cost and carbon footprint of offshore foundations for floating wind
- More info on TPPT project leaflet or on <https://grow-offshorewind.nl/project/tppt>

