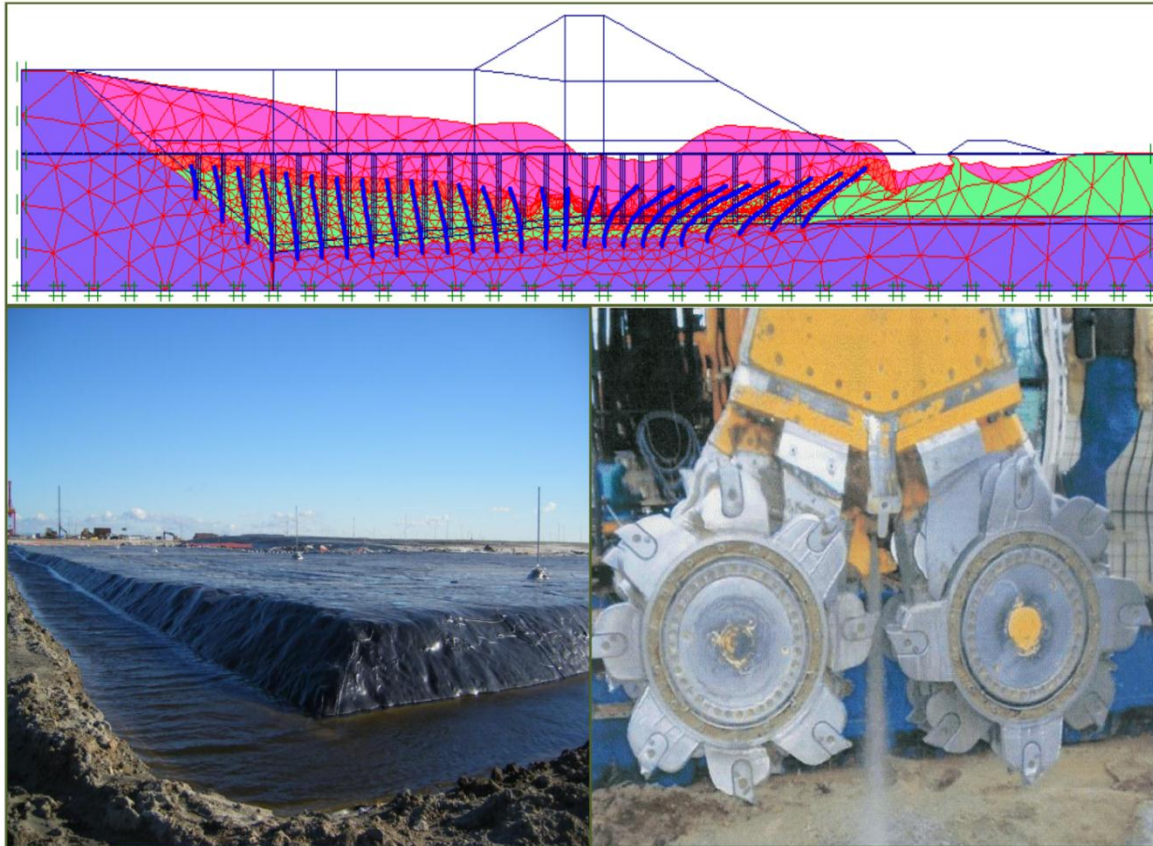


INTERNATIONAL SYMPOSIUM & SHORT COURSES

TC 211 IS-GI Brussels 2012



**Recent Research, Advances & Execution Aspects of
GROUND IMPROVEMENT WORKS**

30 May – 1 June 2012, Brussels, BELGIUM

















CONTENT

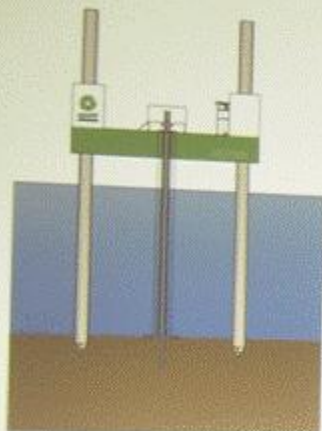
- 1. The Project
- 2. Phase 1: Installation of 6No 5MW wind turbines (on GBF)
- 3. Phases 2&3: Installation of 48No 6MW wind turbines (on jackets)
 - 3.1 additional geotechnical investigation for phases 2&3
 - 3.2 soil parameters and pile design
 - 3.3 choice of hydraulic hammer
 - 3.4 pile installation with JUP Buzzard
 - 3.5 jacket foundation installation
 - 3.6 Wind Turbine installation with JUP Neptune and Vagant
- 4. Cable works
- 5. Movie

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3.1 Additional geotechnical investigations for phases 2&3



• EXECUTION

- Penetration rate of 2 cm/sec.
- (Quasi-) Continuous Penetration
1 meter sounding tubes
1 meter GMF casings
- Continuous ground profile



















AMORAS



DEC

Environmental Contractor



ENVISAN

Environmental Technologies



Dredging
International

Marine & Waterway Contractor



Jan De Nul

GROUP



Mobiliteit en
Openbare Werken





























