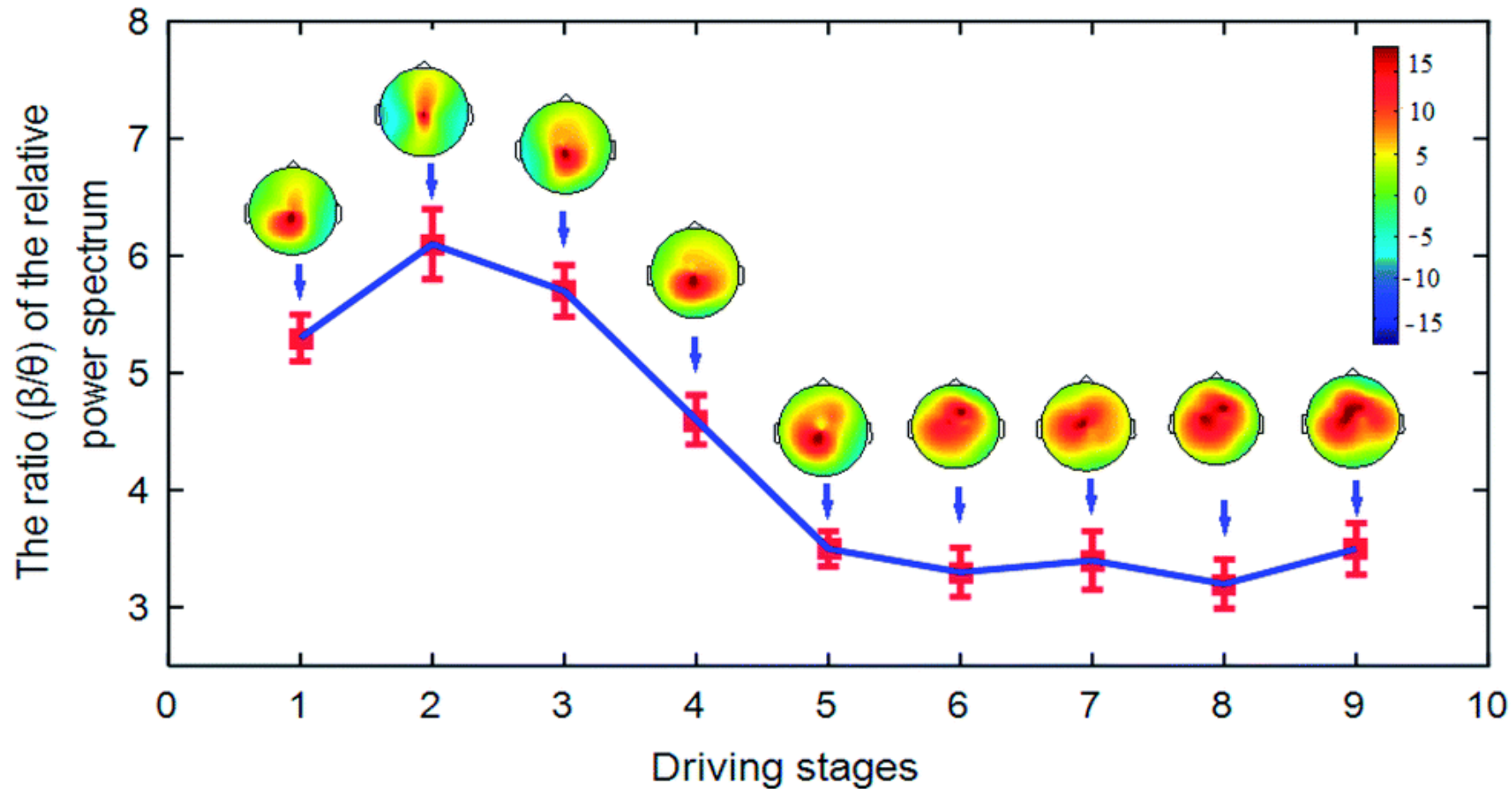




Nature-inclusive design Offshore Grid - Ecocrossings

Annemiek Hermans

A moment for safety



Wang et al 2018- [EEG characteristic analysis of coach bus drivers based on brain connectivity as revealed via a graph theoretical network](#)

TenneT offshore at a glance

Current offshore transmission capacity
(Germany and the Netherlands)

8,532 MW

4

interconnectors

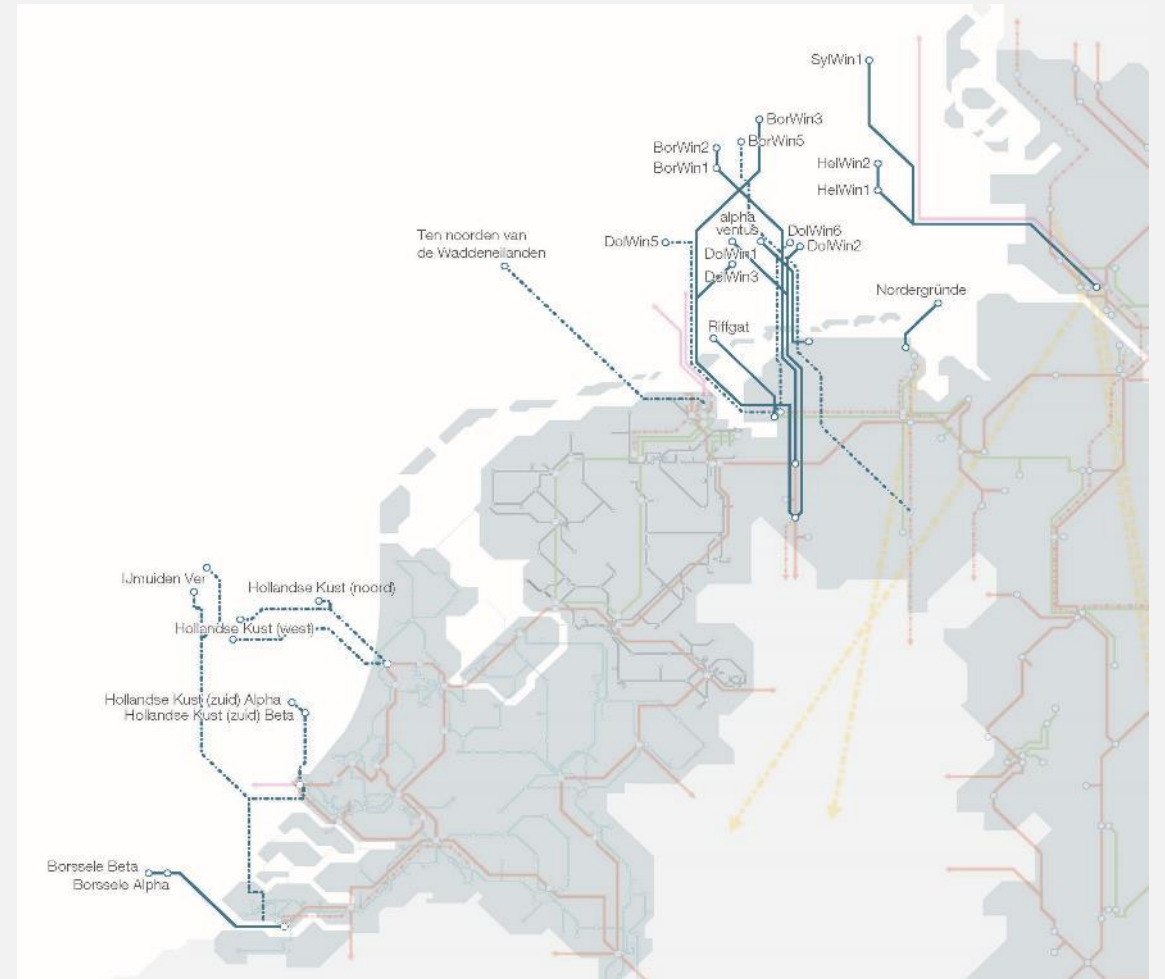
30 offshore
grid connections

24.6 TWh

transmission of
offshore wind energy

total cable length
~ 3,700 km

Length up to
250 km
per connection



Internal drivers for NID

We strive to enhance the energy transition in a sustainable manner, leading the way in maximizing our societal contribution and minimizing our impact as a transmission system operator (“TSO”)

1

We contribute to society, creating maximum impact for **people** working for us and impacted by us



2

We commit to the environment, avoiding, minimizing and compensating our impact on the **planet**

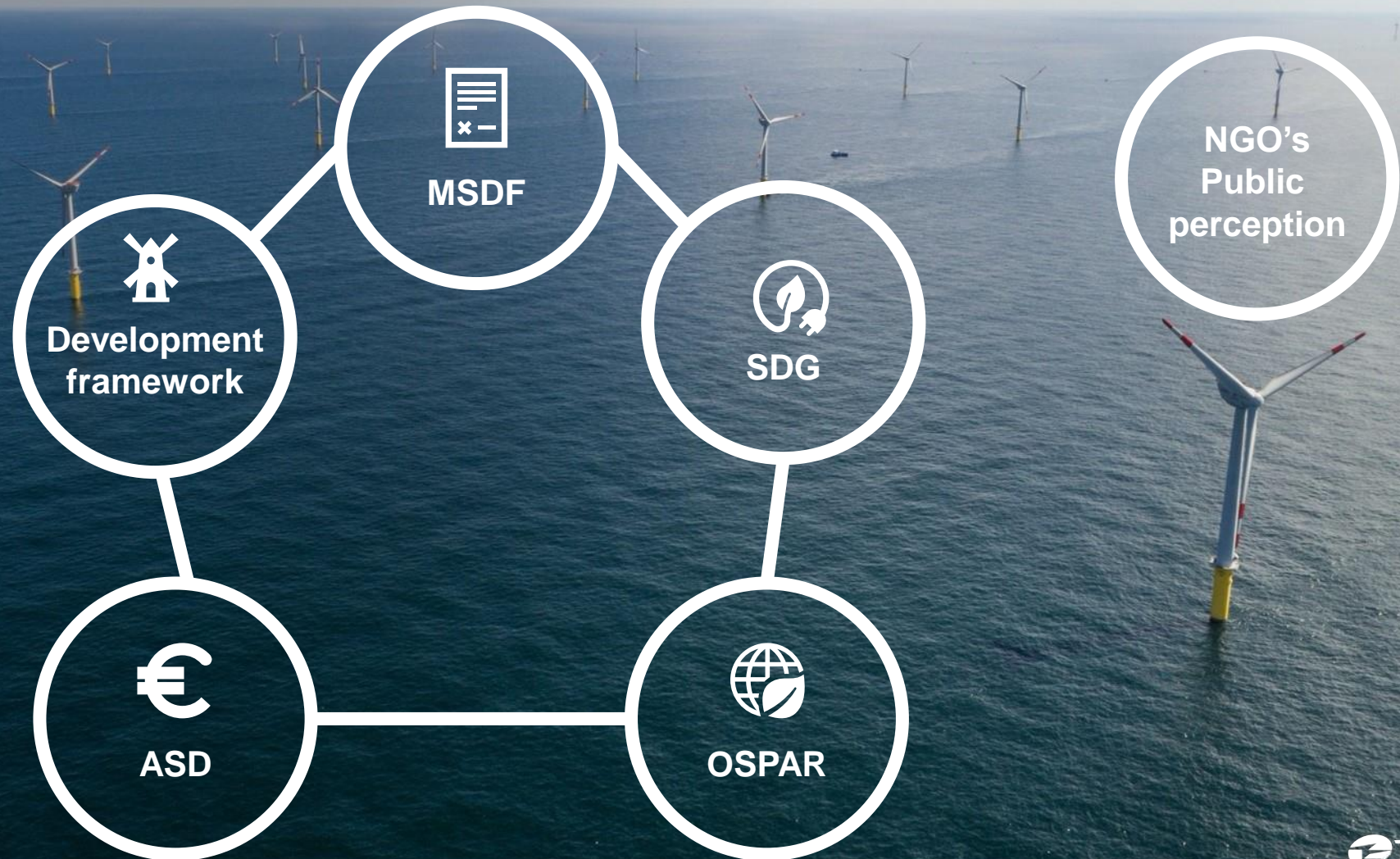


3

We strive for a profit which provides an adequate **return** on capital and an affordable cost of electricity supply for society



External drivers for NID



Standardised NID measures



Fish hotels



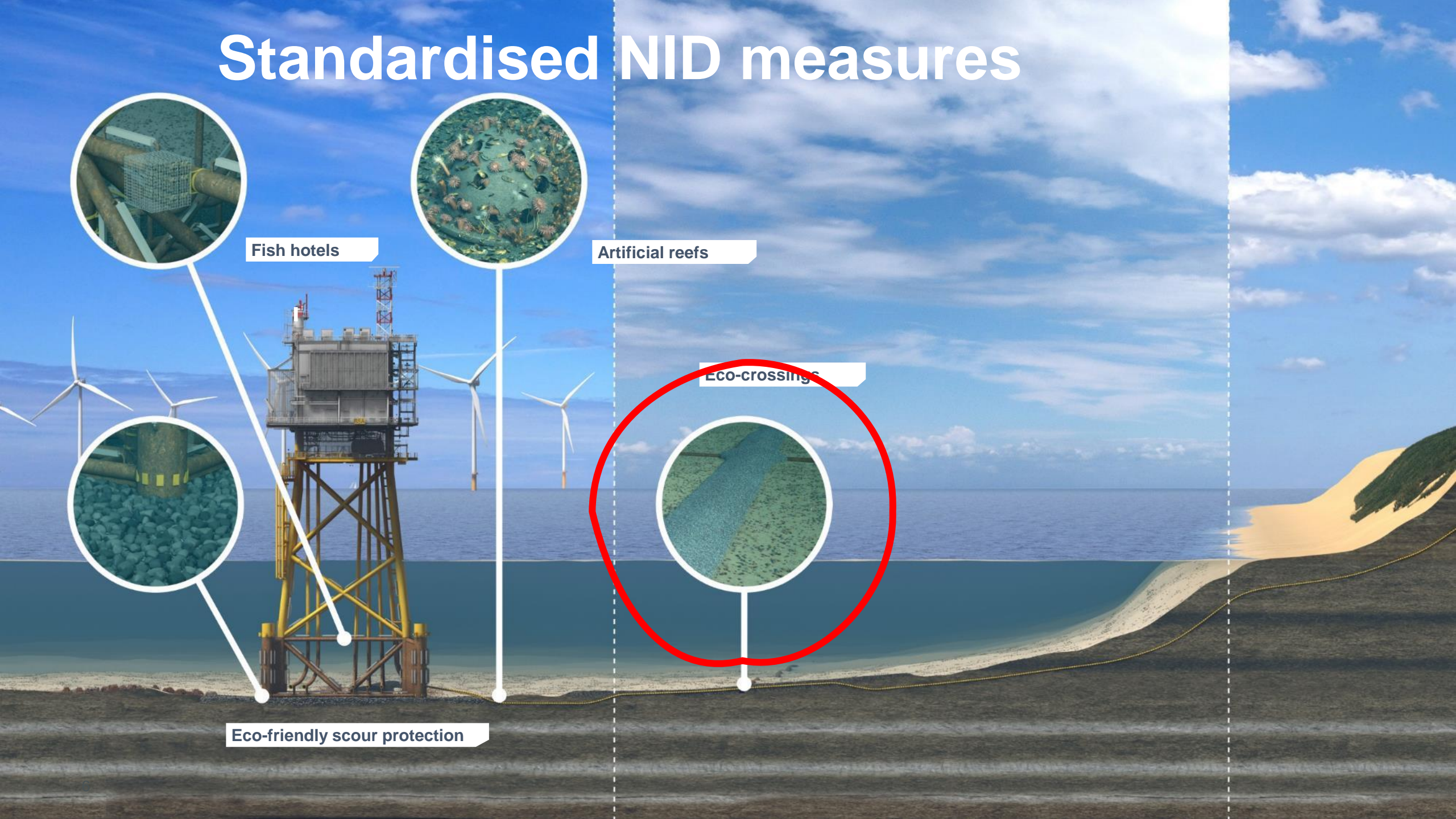
Artificial reefs



Eco-friendly scour protection



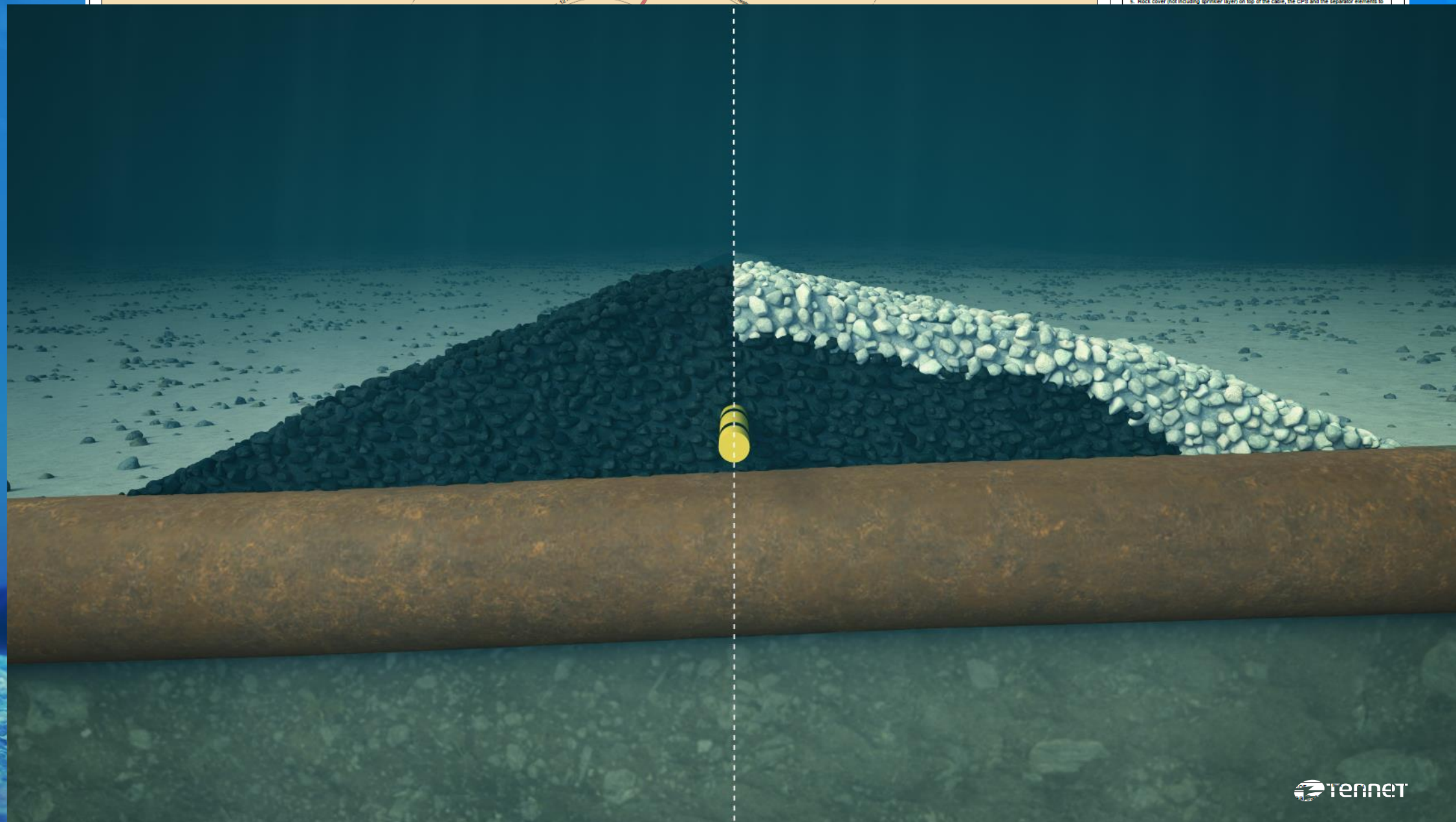
Eco-crossings



Why eco crossings?



What are ecocrossings?



Oke, but where?

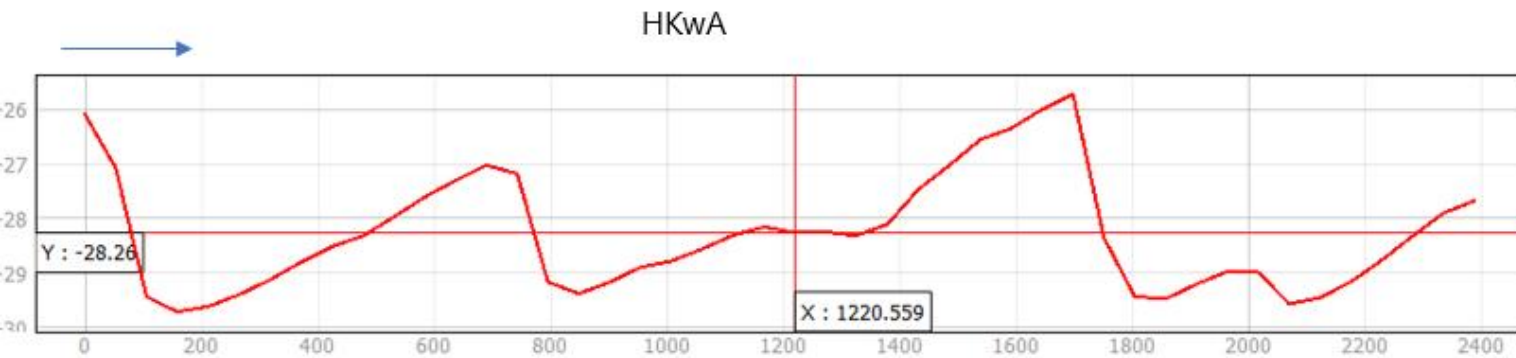


Image: Zilla van Aartrijk



And who is going to do it?

Project team

Tender process - MEAT criteria

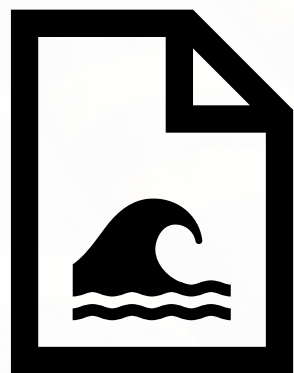
Design discussions & risk(perception)

Variation order



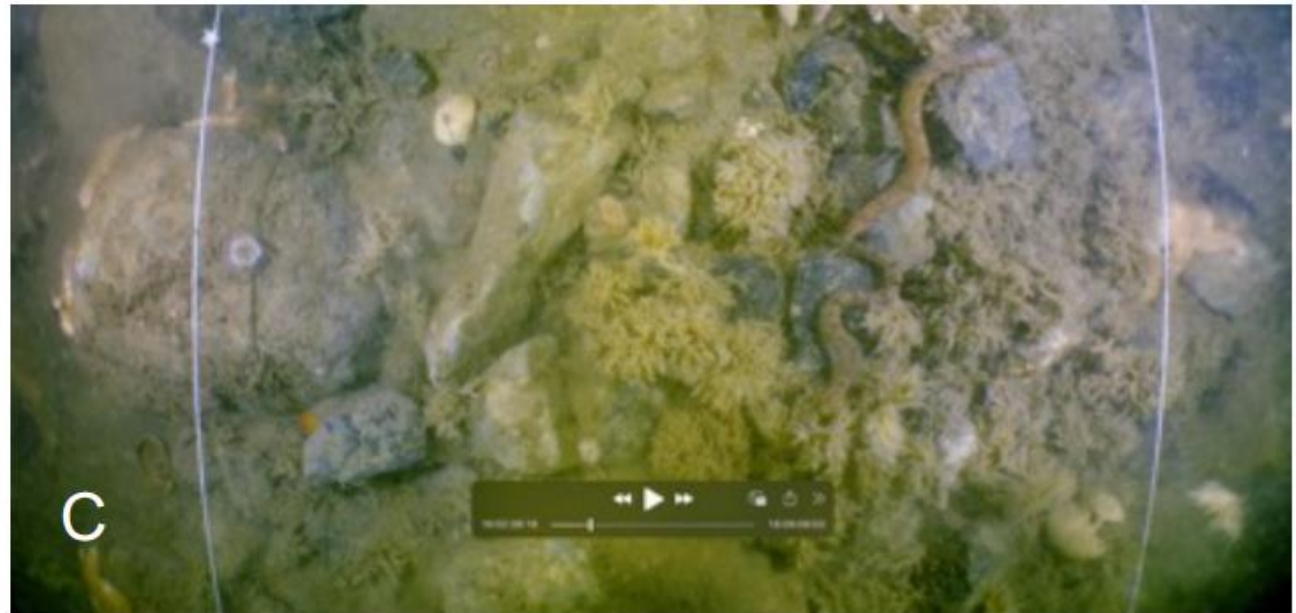
But what about permitting?

No new permit
required
But not all was
possible



"Als een afdekking met stortsteen noodzakelijk is, dan moet de toplaag bij aanleg een voldoende kleine gradering (D90 80 mm) hebben en een minimale laagdikte van 0,2 meter. Dit in verband met het beperken van risico voor de bodem beroerende visserij."

And do they work?



We want more...





More information?

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