



POSITIVE DISPLACEMENT

**“Our success
is
your success!”**

Zero Harm: both physical and mental



“From fear to fun”

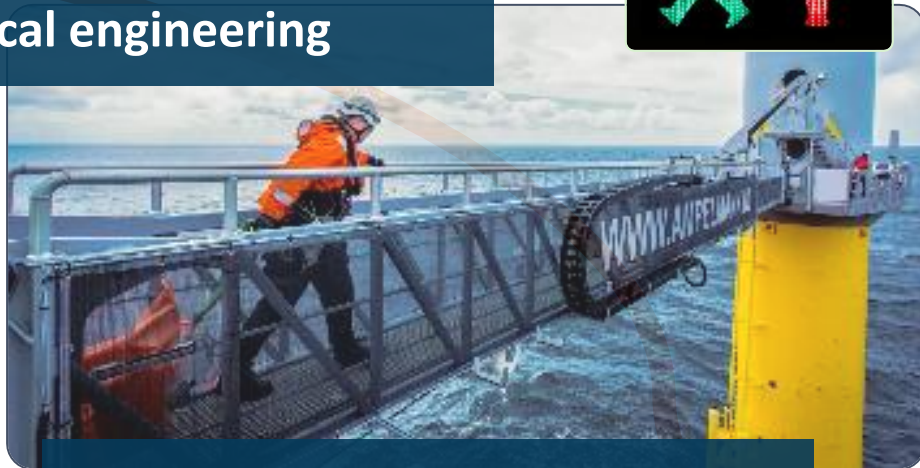
Zero Harm: both physical and mental



“If **leaders** want to **unleash** individual and collective **talent**, they must foster a **psychological safe climate** where employees feel free to contribute ideas, **share** information and report mistakes”

Born in 1971

MSc in mechanical engineering



PhD in control engineering



I ❤️ the North Sea



ECHT
— human capital —



DOT
POSITIVE DISPLACEMENT

GREEN SOCCS

AMPELMANN



CALLIDUS
Energy & Infrastructure
Energy Centre

VL ST



Van Leeuwen
Sleufloze Technieken

DOT
POSITIVE DISPLACEMENT

PLUMETT

Tennet


gasunie

TATA STEEL

TU Delft

Why did we invent Ampelmann?



19  Octrooiencentrum Nederland 11 1027103

12 C OCTROOI²⁰

21 Aanvraag om octrooi: 1027103 51 Int.Cl.: B63B27/10 (2006.01)

22 Ingediend: 24.09.2004

41 Ingeschreven: 27.03.2006 I.E. 2006/06	72 Octrooihouder(s): Technische Universiteit Delft te Delft.
47 Dagtekening: 27.03.2006	72 Uitvinder(s): Jan van der Tempel te Delft. David-Pieter Molenaar te Delft. Hans Mulder te Kockengen. David Cerda-Salzman te Den Haag. Stefan Hoonings te Delft.
48 Uitgegeven: 01.06.2006 I.E. 2006/06	74 Gemachtigde: Drs. A. Kupecz c.s. te 1000 HB Amsterdam.

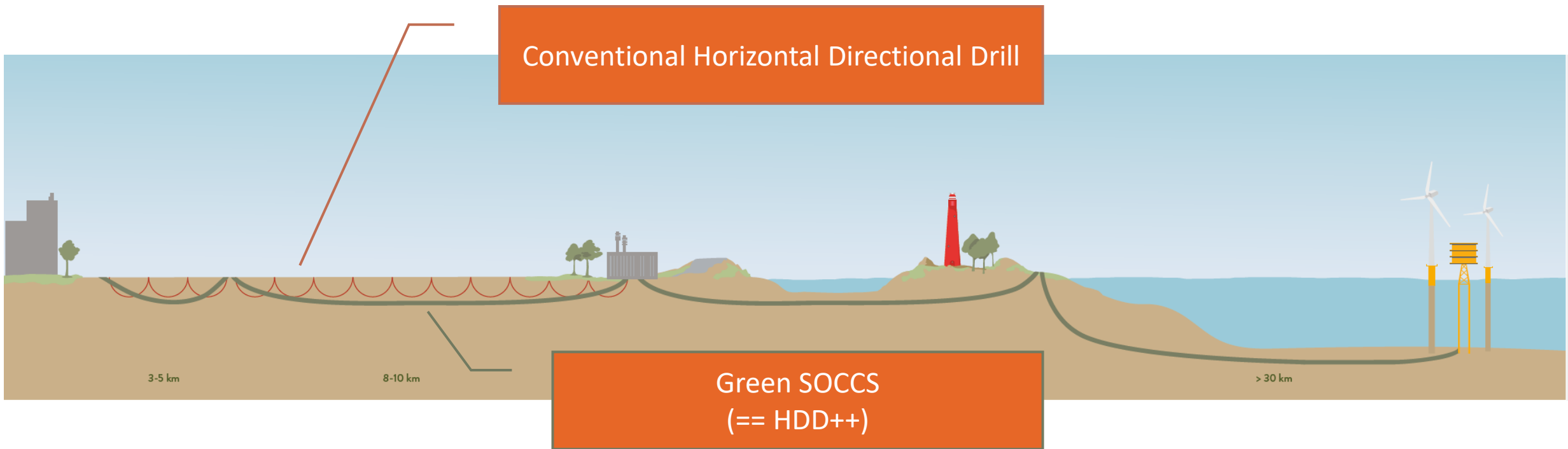
54 Vaartuig voor het overzetten van personen of goederen op een offshoreconstructie.

57 De uitvinding heeft betrekking op een vaartuig voor het overzetten van personen of goederen op een offshore-constructie, voorzien van een overzetdek, met een in stand regelbaar platform dat op het overzetdek is gebracht waarbij het platform afsteunt op hydraulische regelcilinders die op het overzetdek zijn gemonteerd en waarbij voorzien is in bewegingssensoren voor het meten van vaartuigbewegingen, en een op de bewegingssensoren aangesloten regelsysteem dat sturend gekoppeld is met de hydraulische regelcilinders voor het in afhankelijkheid van de vaartuigbewegingen verstellen van de stand van het platform.

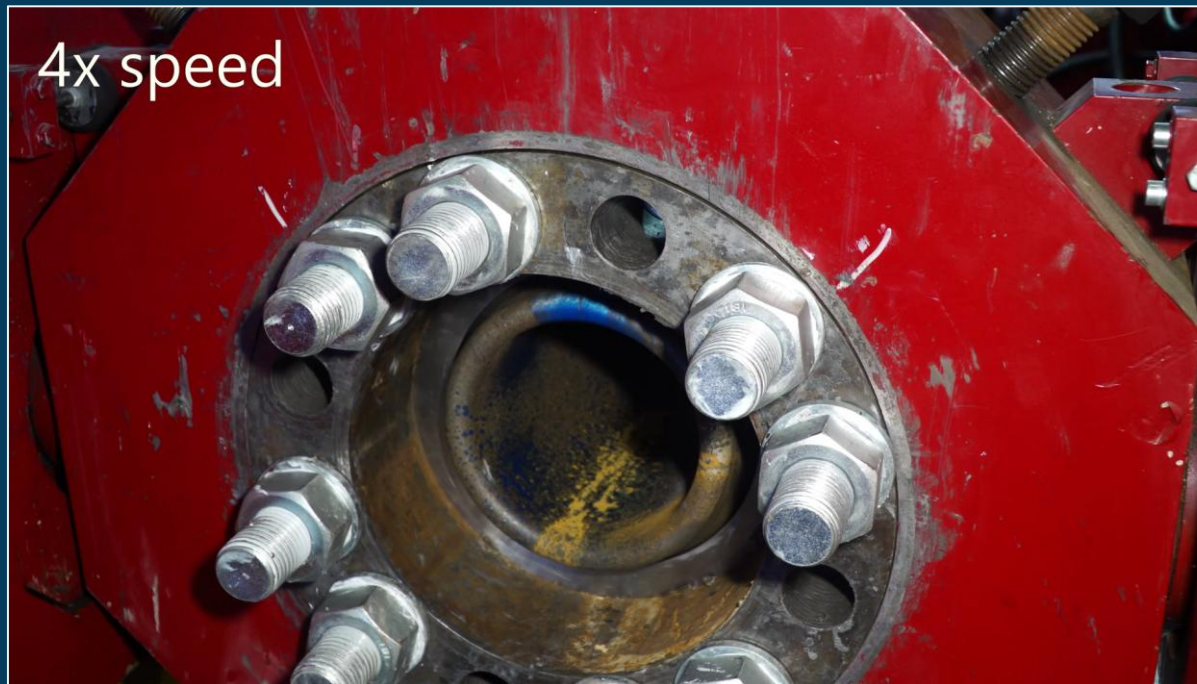
NL C 1027103

De inhoud van dit octrooi wijkt af van de oorspronkelijk ingediende beschrijving met conclusie(s) en eventuele tekening(en). De oorspronkelijk ingediende stukken kunnen bij het Octrooiencentrum Nederland worden ingezien. Octrooiencentrum Nederland is het Bureau voor de Industriële Eigendom, een agentschap van het ministerie van Economische Zaken

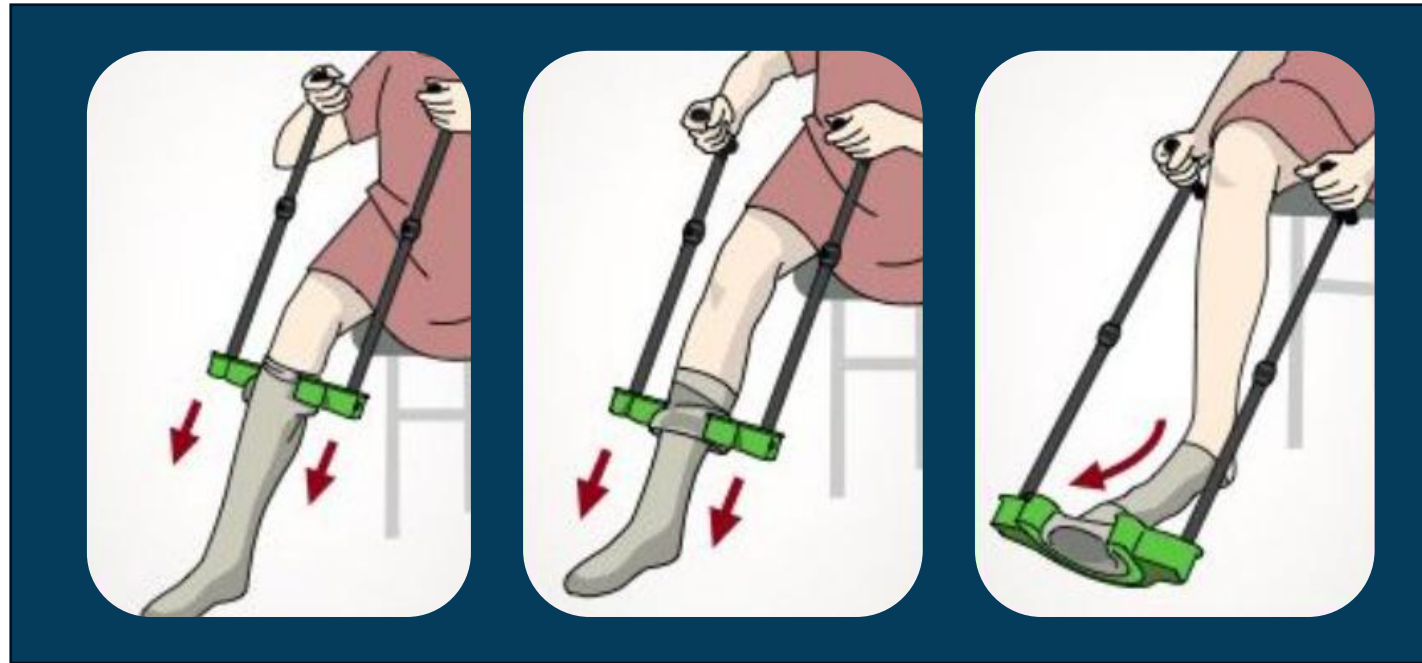
What is **GREEN SOCCS** ?



What is **GREEN SOCCS** ?



What is **GREEN SOCCS** ?



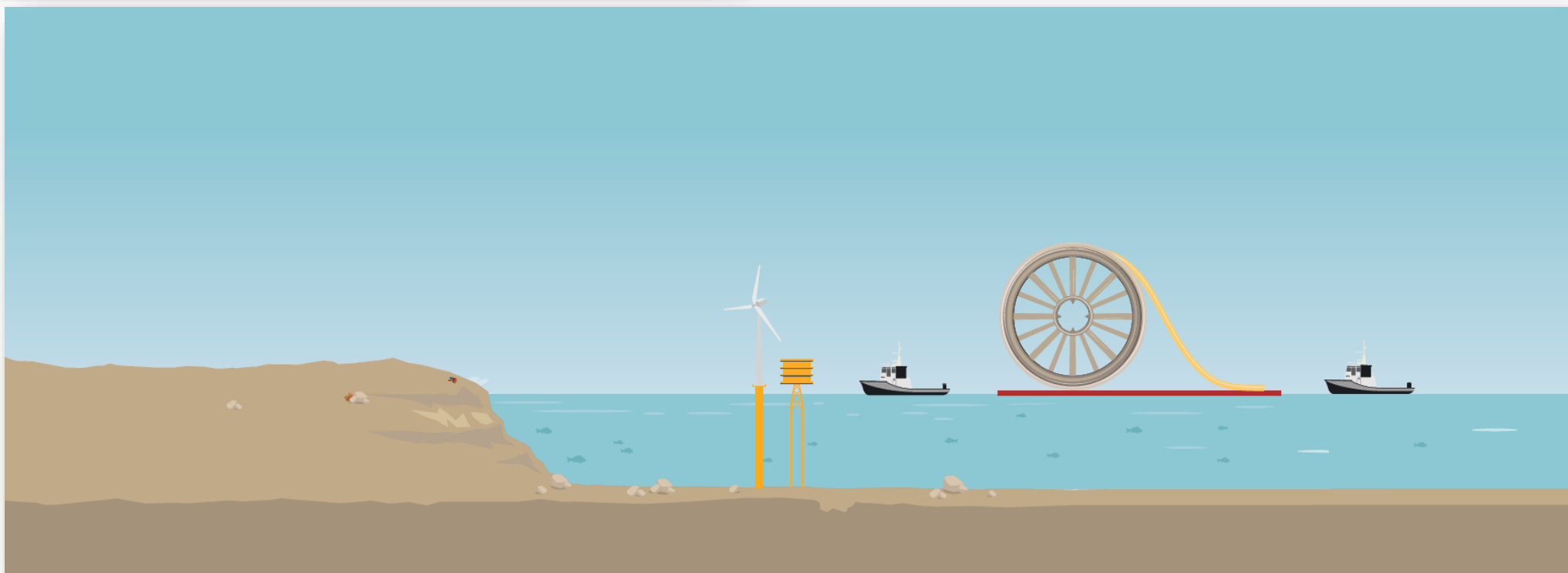
Source: medicura.nl

Green SOCCS and Phynix in this region (and in yours?)

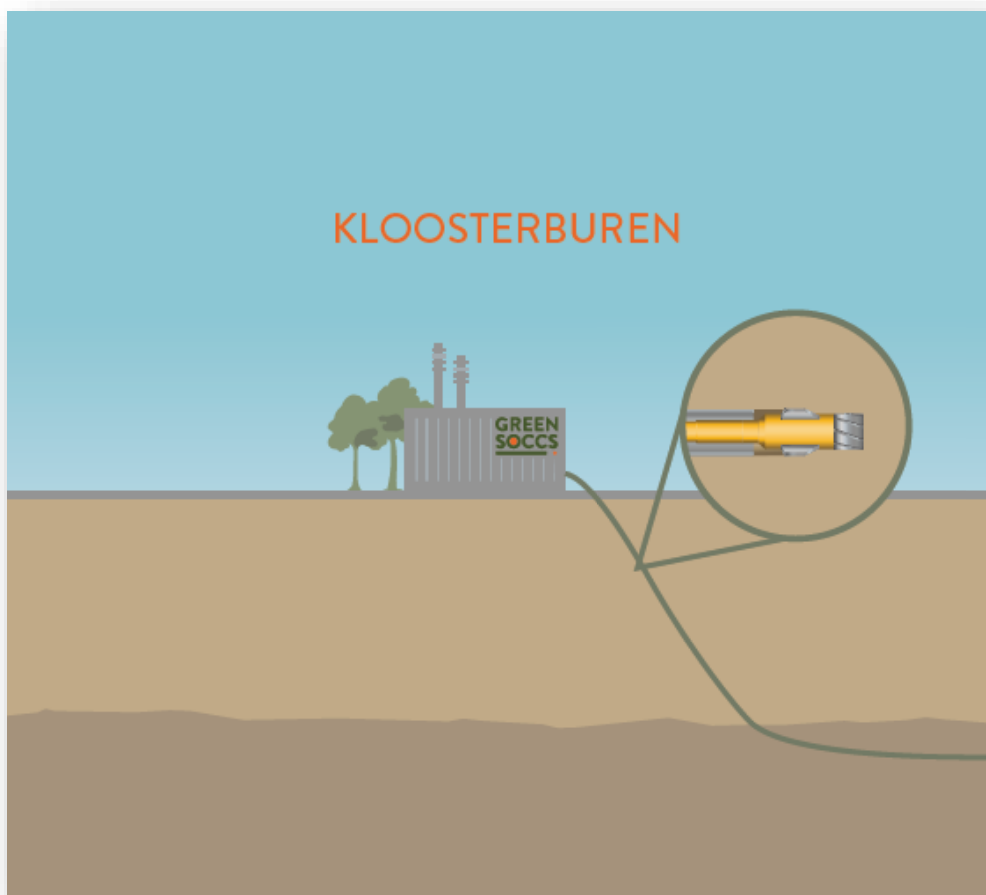


40 km HVDC connection
Kloosterburen - Eemshaven

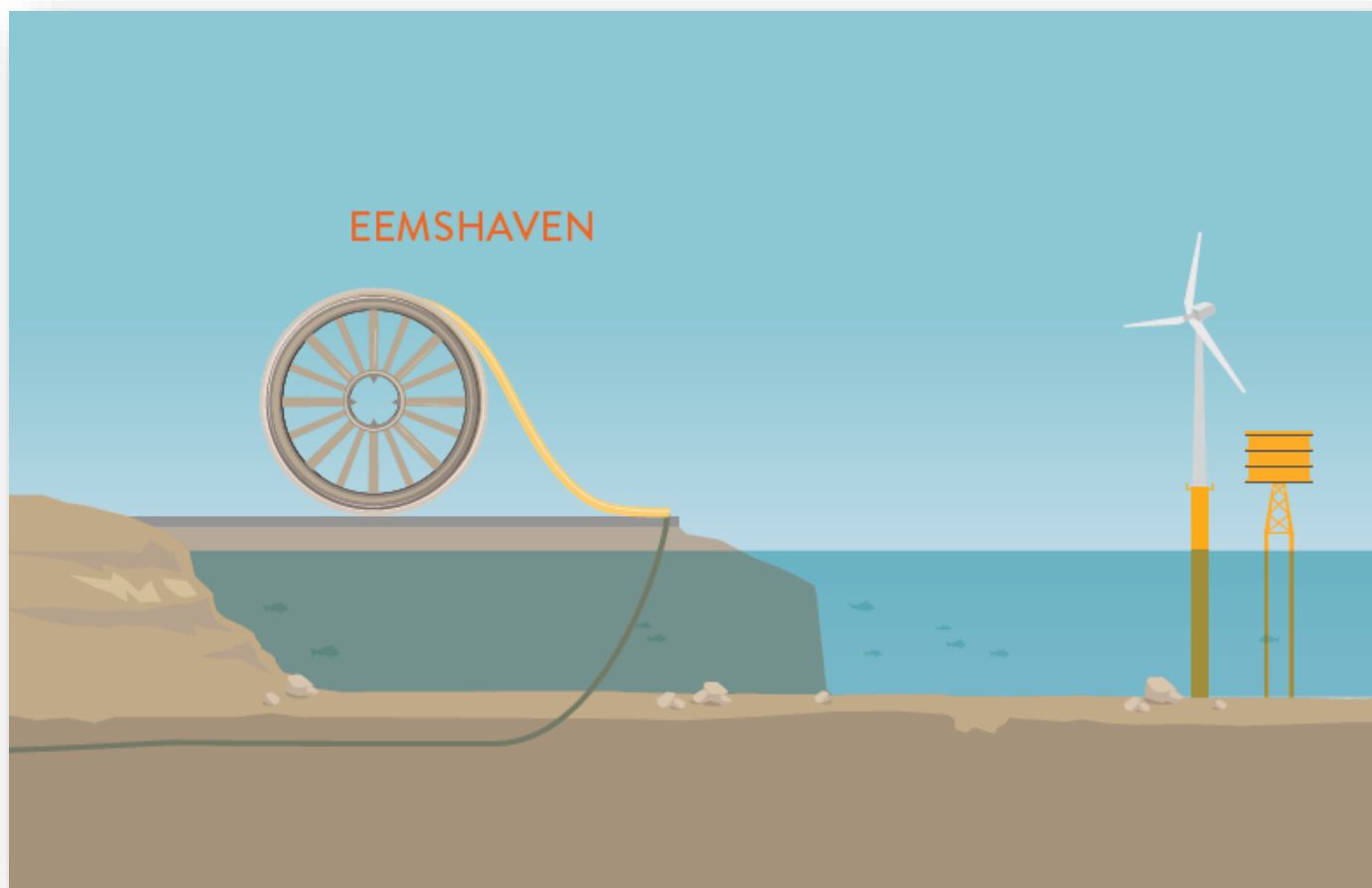
23 km hydrogen connection
Eemshaven - Delfzijl



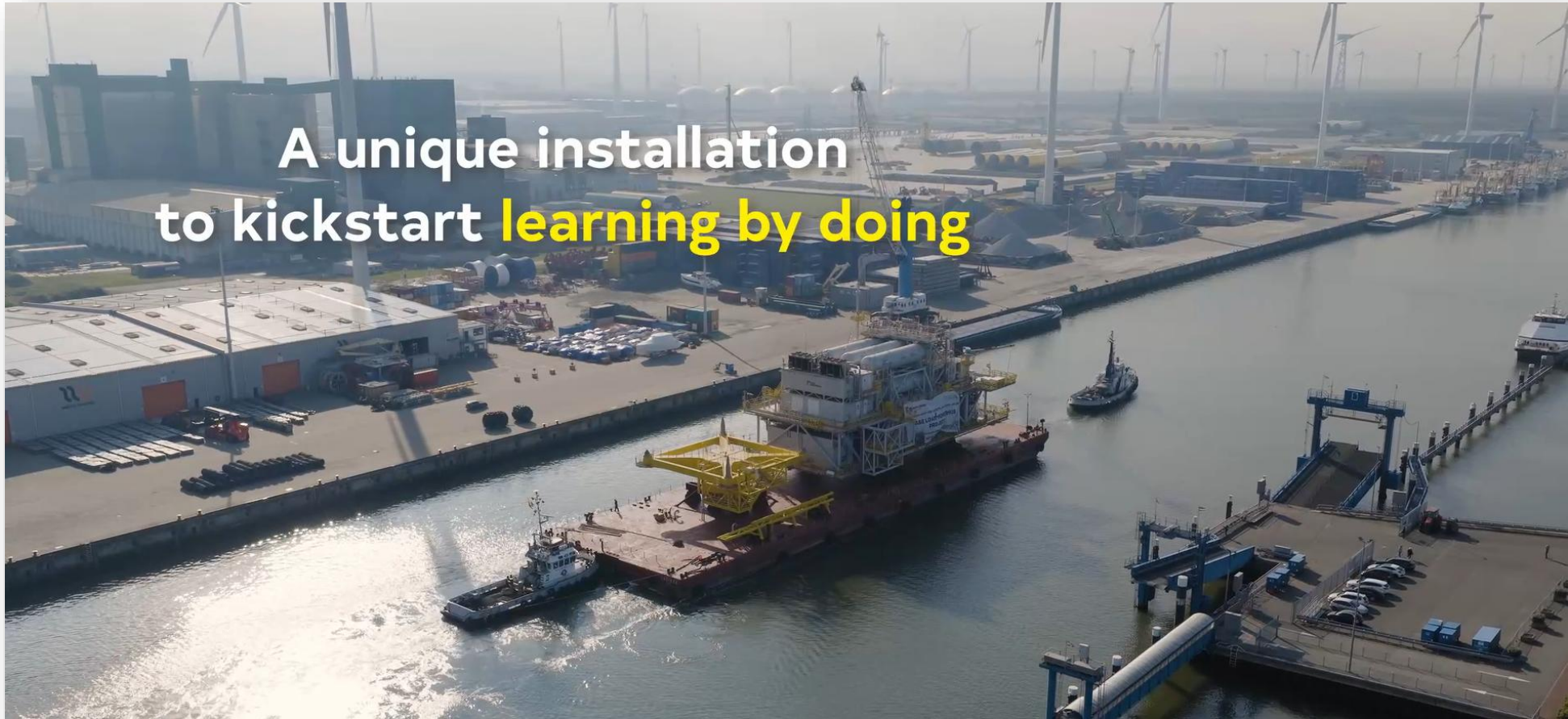
KLOOSTERBUREN



EEMSHAVEN



Why did we save a hydrogen platform ...



A unique installation
to kickstart **learning by doing**

... from the scrap yard?







No (time to) waste

Pale
Blue
DOT

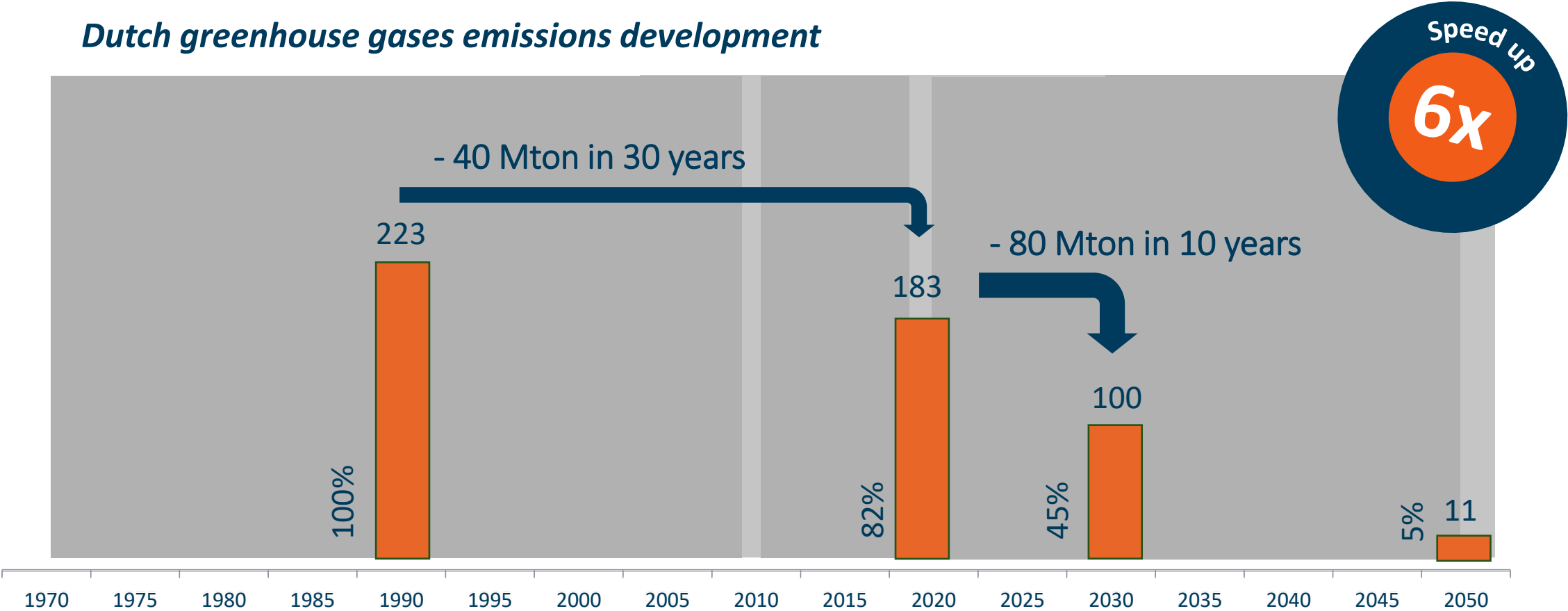


*Picture taken by Voyager 1 @
6 billion km distance,
February 14, 1990 - NASA*

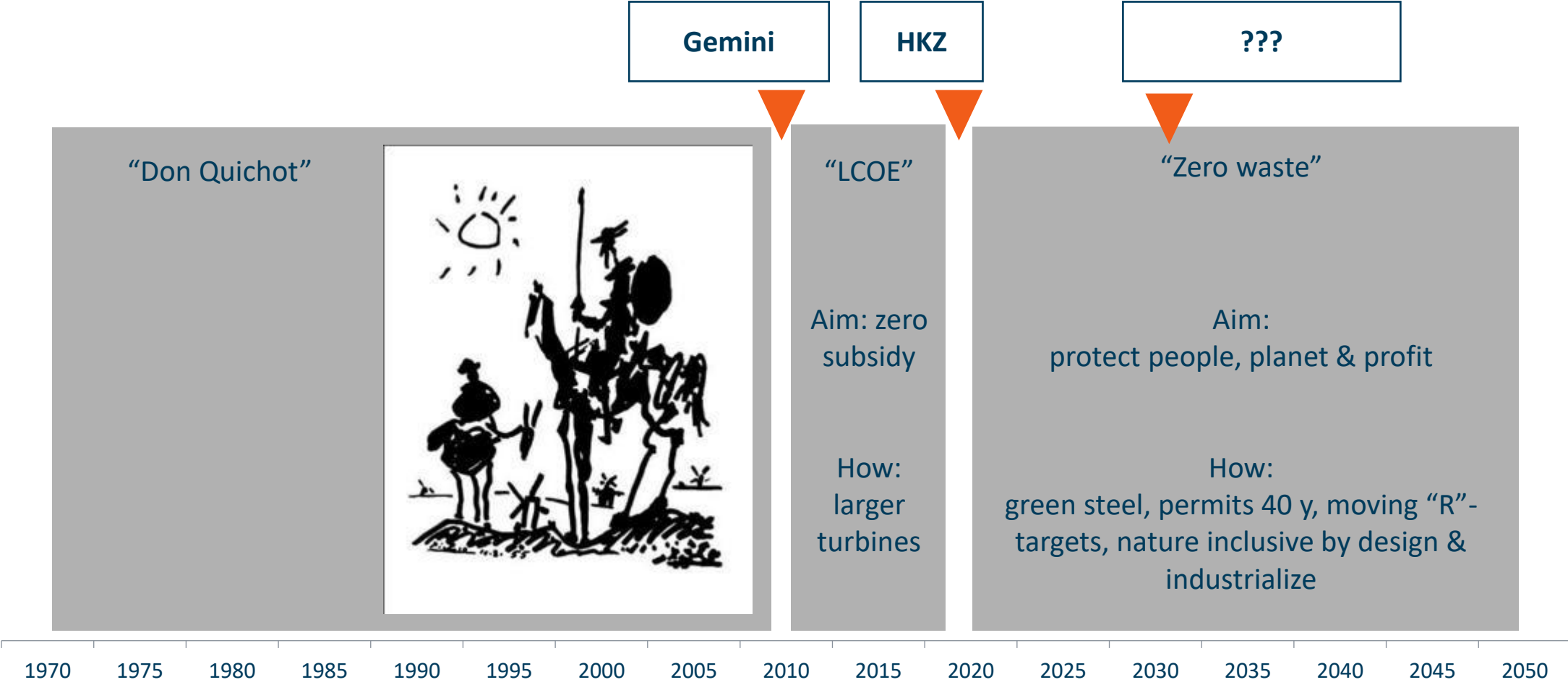
Why?



Dutch greenhouse gases emissions development

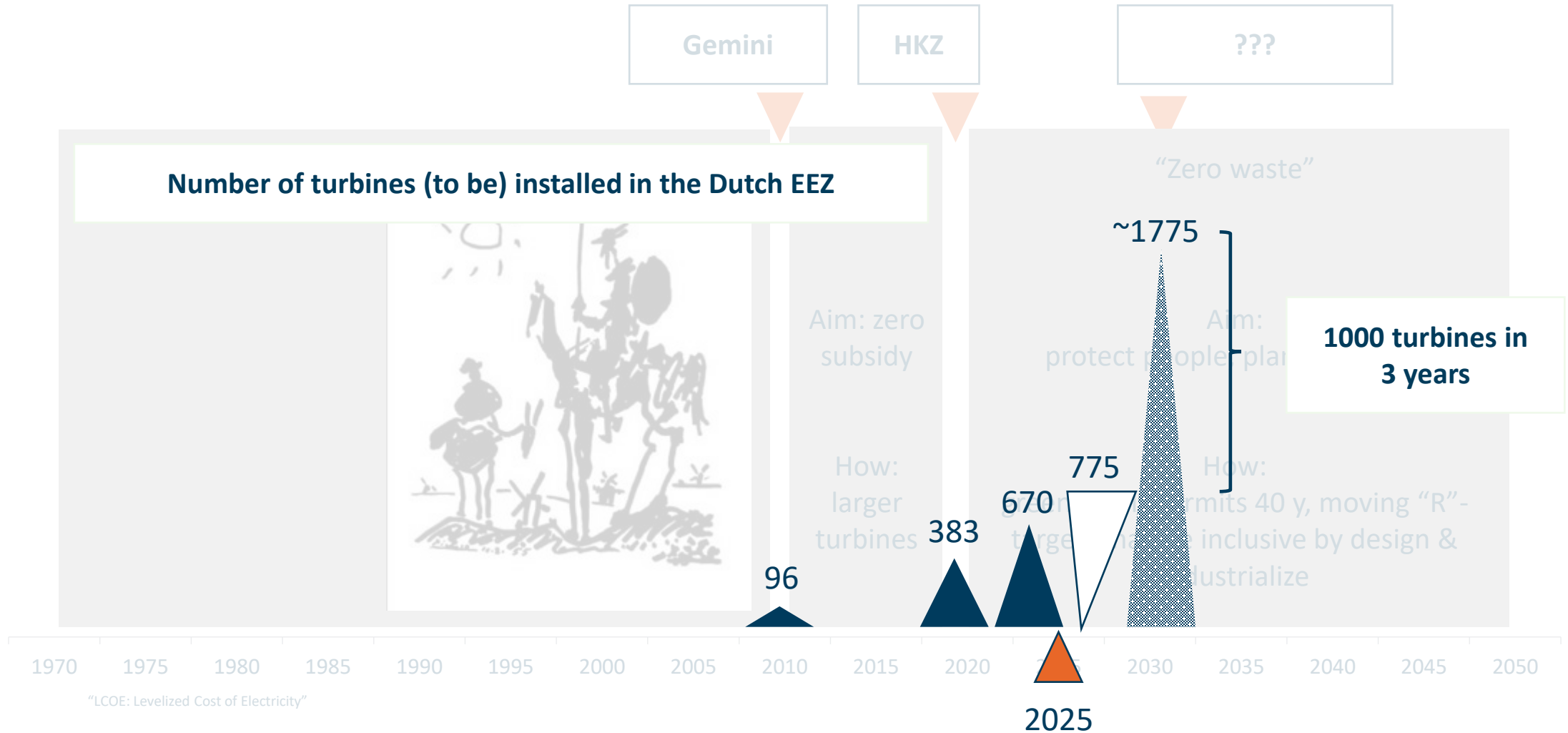


Why?



"LCOE: Levelized Cost of Electricity"

Why?



Why?



UPDATES

June 18, 2025

Van Oord christens Boreas, the largest and most sustainable offshore wind installation vessel in the world

Press release

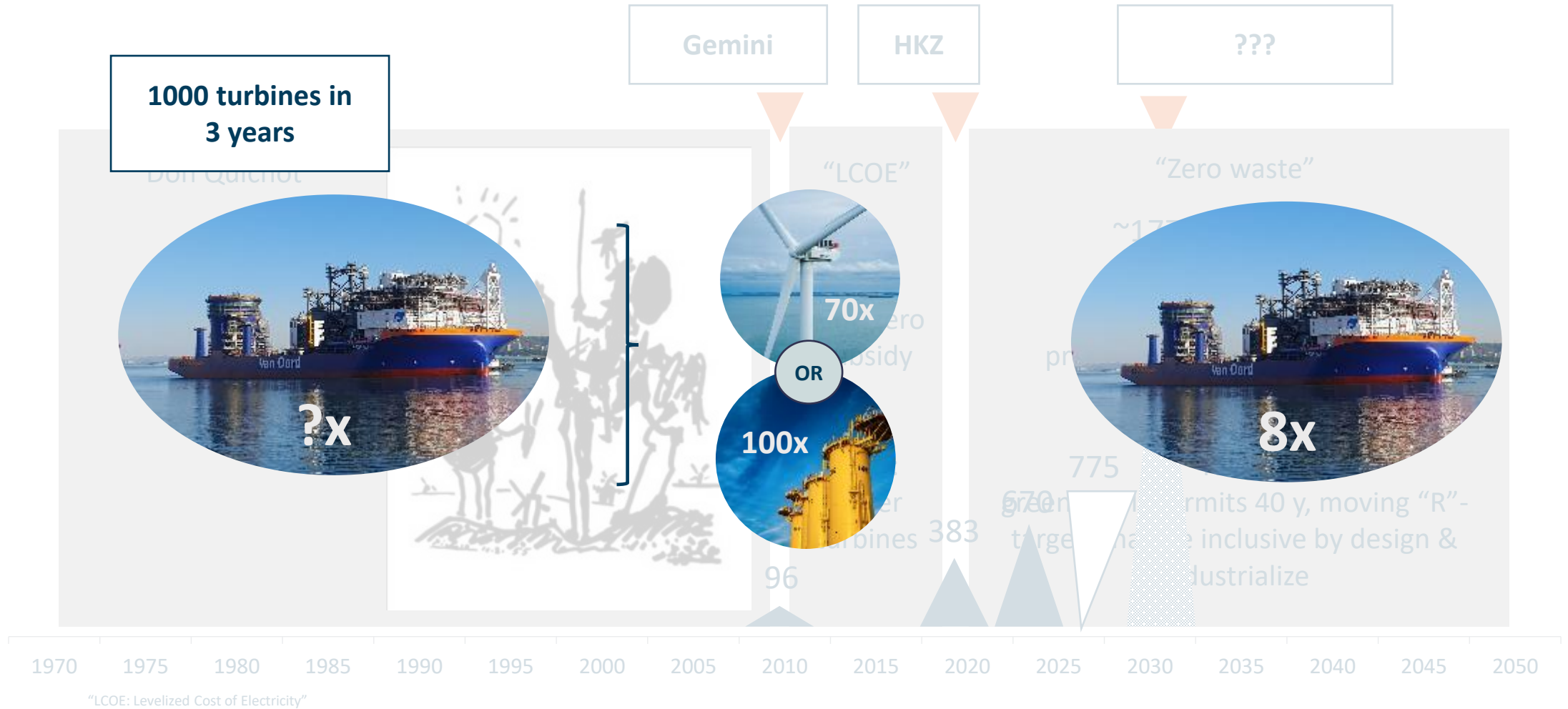
Offshore wind

Energy transition

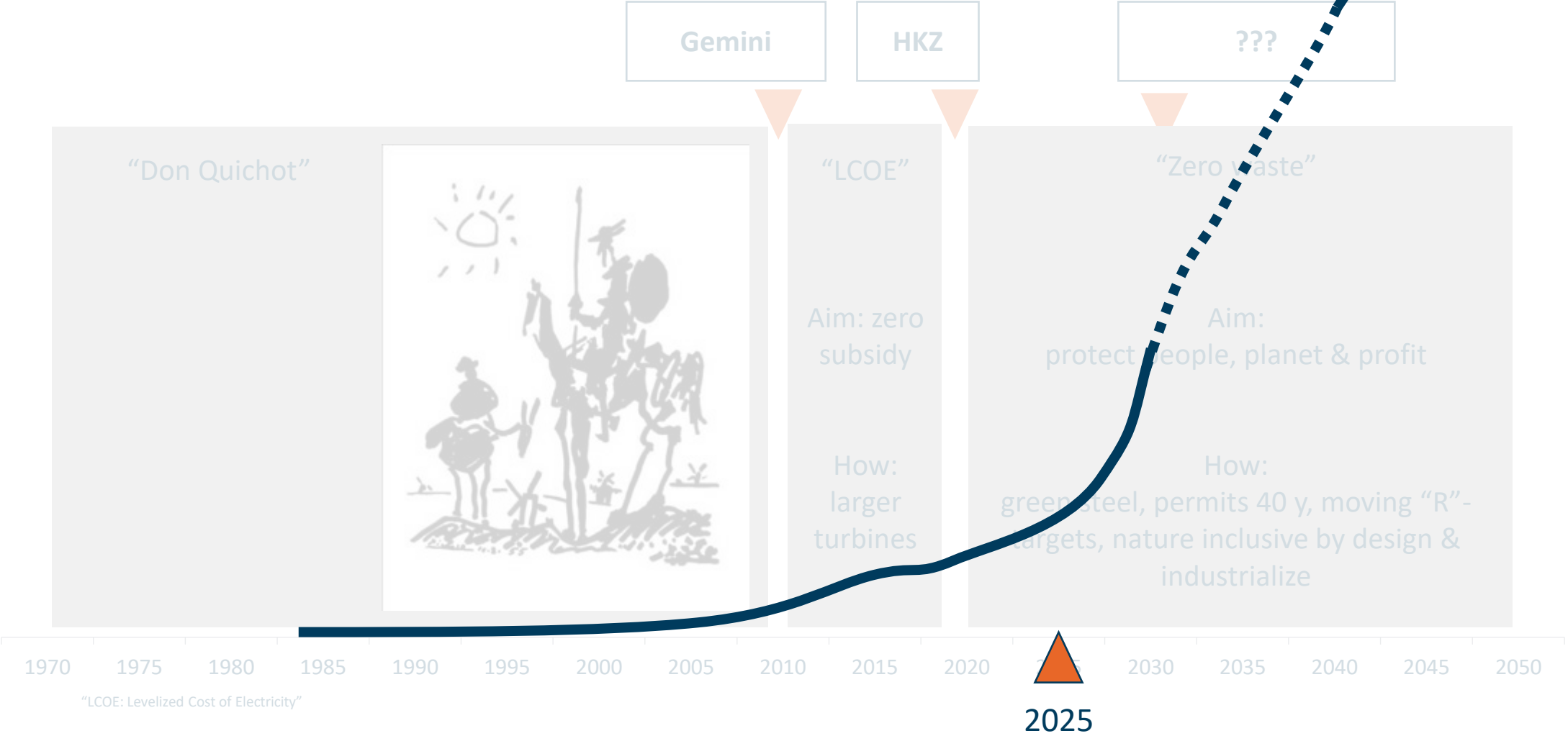
Net-zero emissions



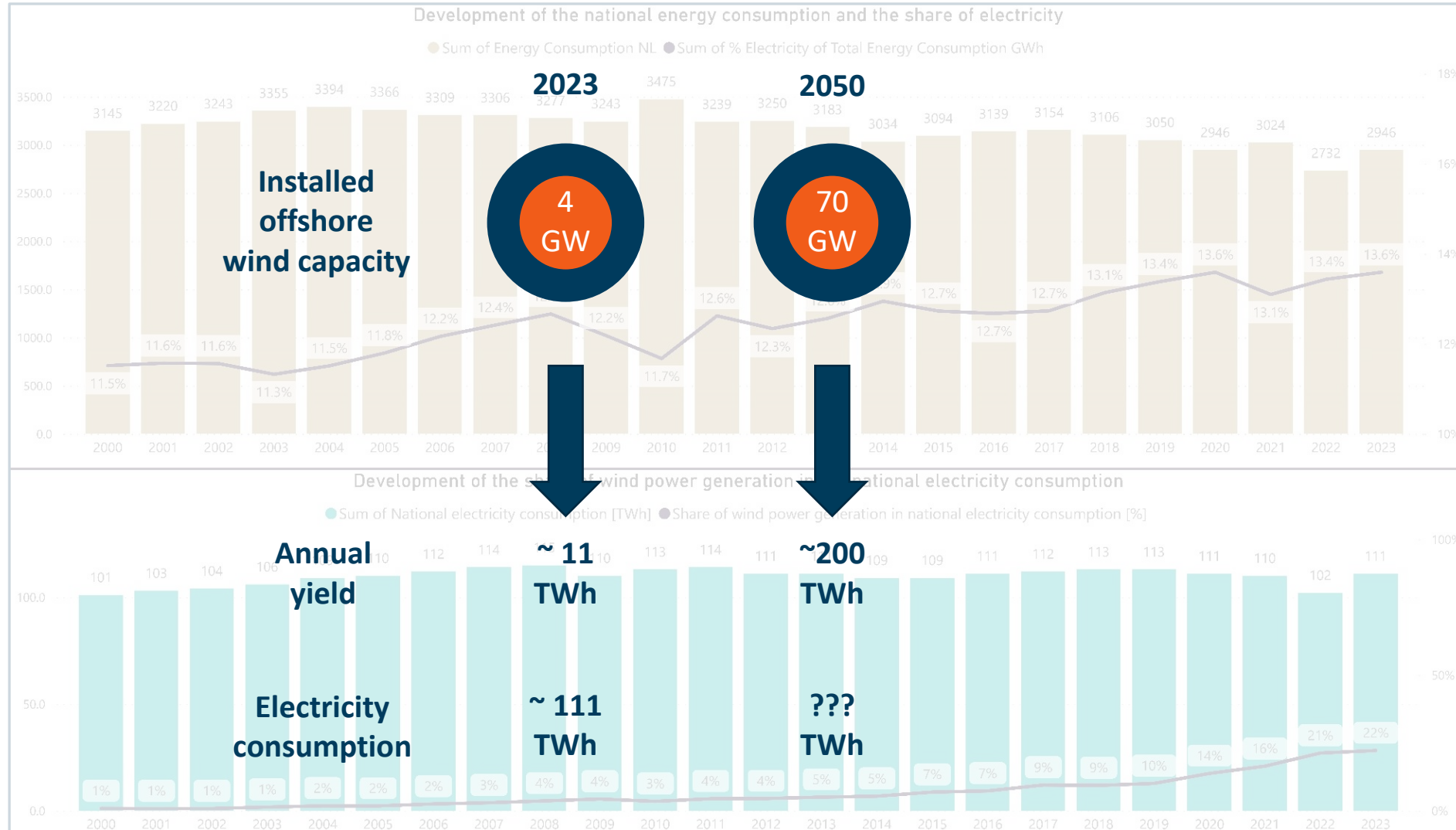
Why?



Why?



Demand and consumption



<https://www.cbs.nl/nl-nl/longread/rapportages/2024/hernieuwbare-energie-in-nederland-2023/4-windenergie>

Investing in human capital is a no-regret option and ...



Building an adequate supply of well-trained professionals in the field of green hydrogen.

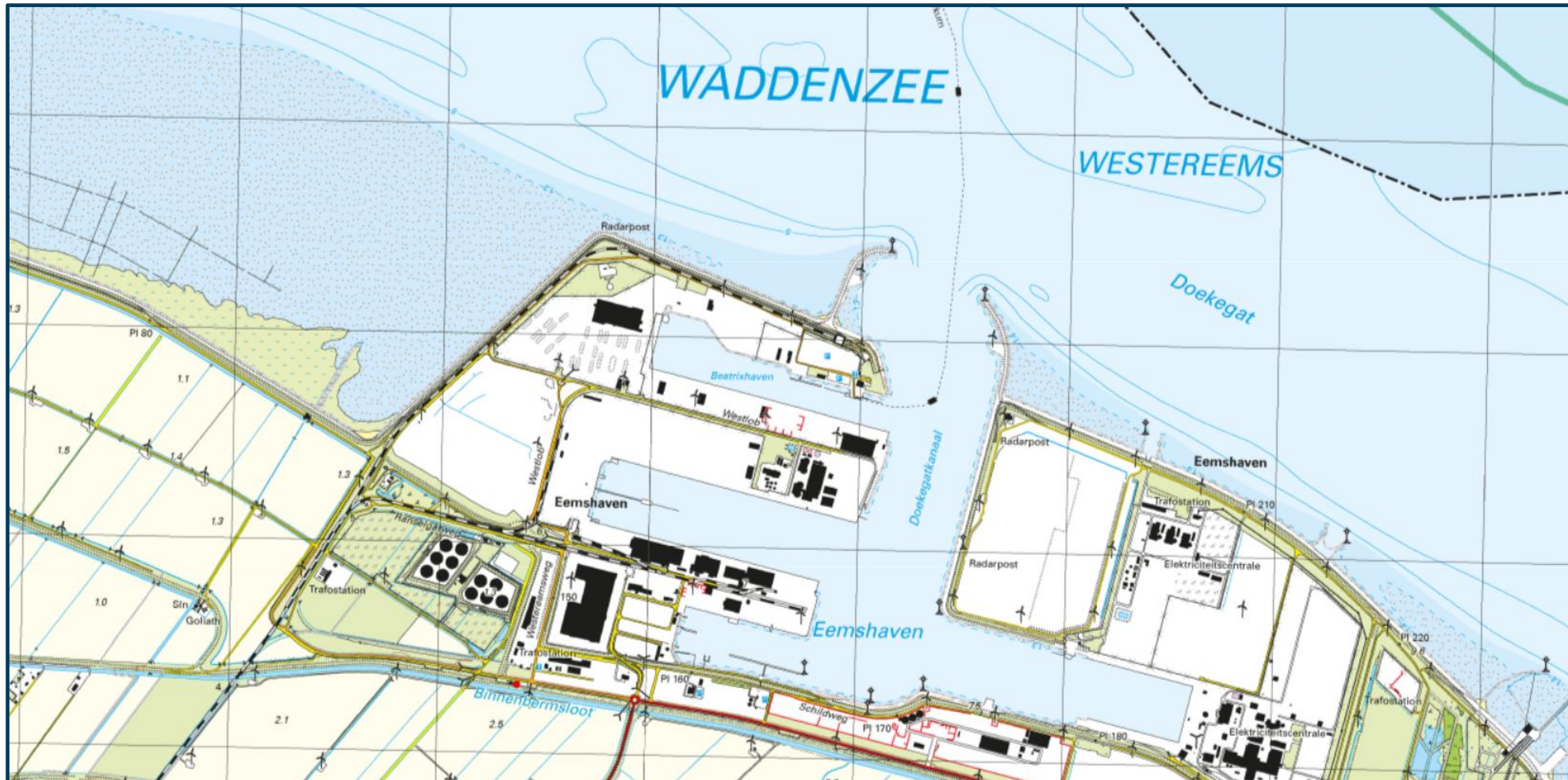
To drive the transition towards a green hydrogen economy, aside from technical innovations we also need to ensure that there is an adequate supply of professionals equipped with the requisite knowledge and skills. If innovations are to be rapidly transformed into practical skills and applications in the workplace, the education sector, businesses, government agencies and knowledge institutions must work together closely. GroenvermogenNL's Human Capital Agenda (HCA) is tackling this issue.

<https://groenvermogennl.org/en/human-capital-agenda/>

... requires an asset to play with

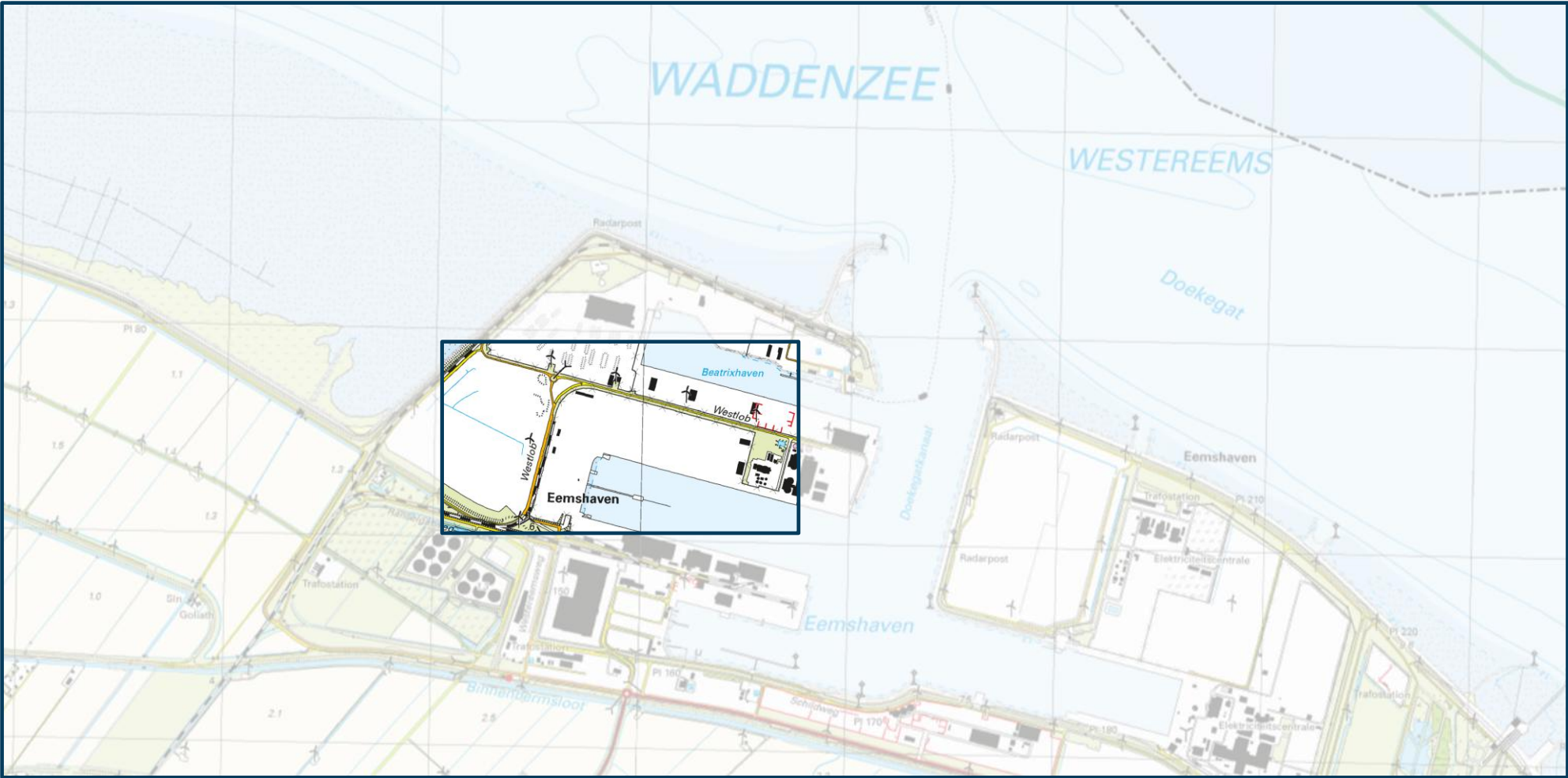


Welcome to Eemshaven



Source: <https://topokaartnederland.nl/>

Welcome to Eemshaven



Welcome to Eemshaven



Welcome to BUSS Terminal Eemshaven



Welcome to Phynix @ BUSS



Let's introduce Phynix



Let's introduce Phynix



“Dream big, start small, start today,
start in Eemshaven”

“Not-for-profit, for people and planet”

“Dare to share”

“An enabler for the transition”

Let's introduce Phynix



“Learning by doing”

“Hands-on experience is the best teacher”

“It takes courage to shift from an individual to a collective learning approach”

Let's introduce Phynix



Transition piece
256 ton

Phynix platform
1800 ton

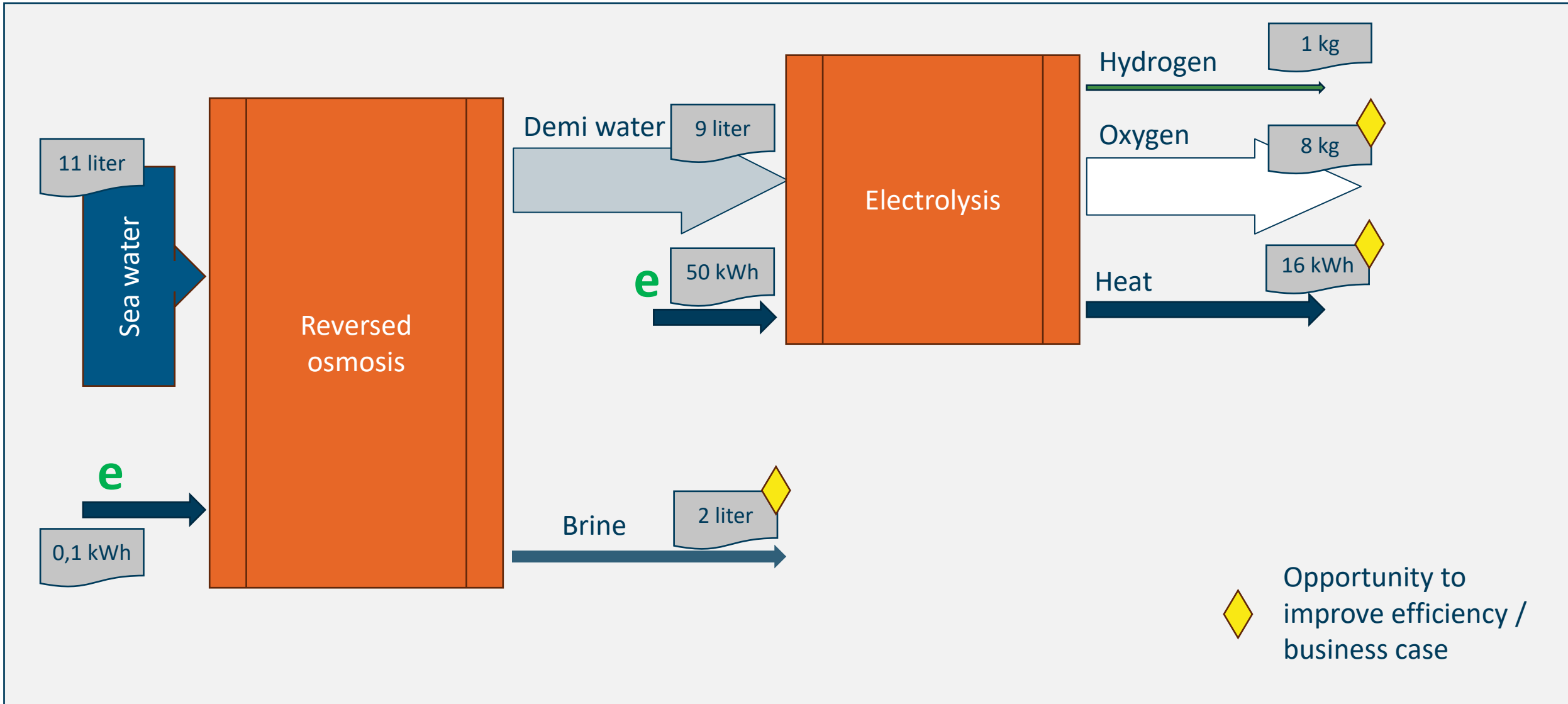
Let's introduce Phynix



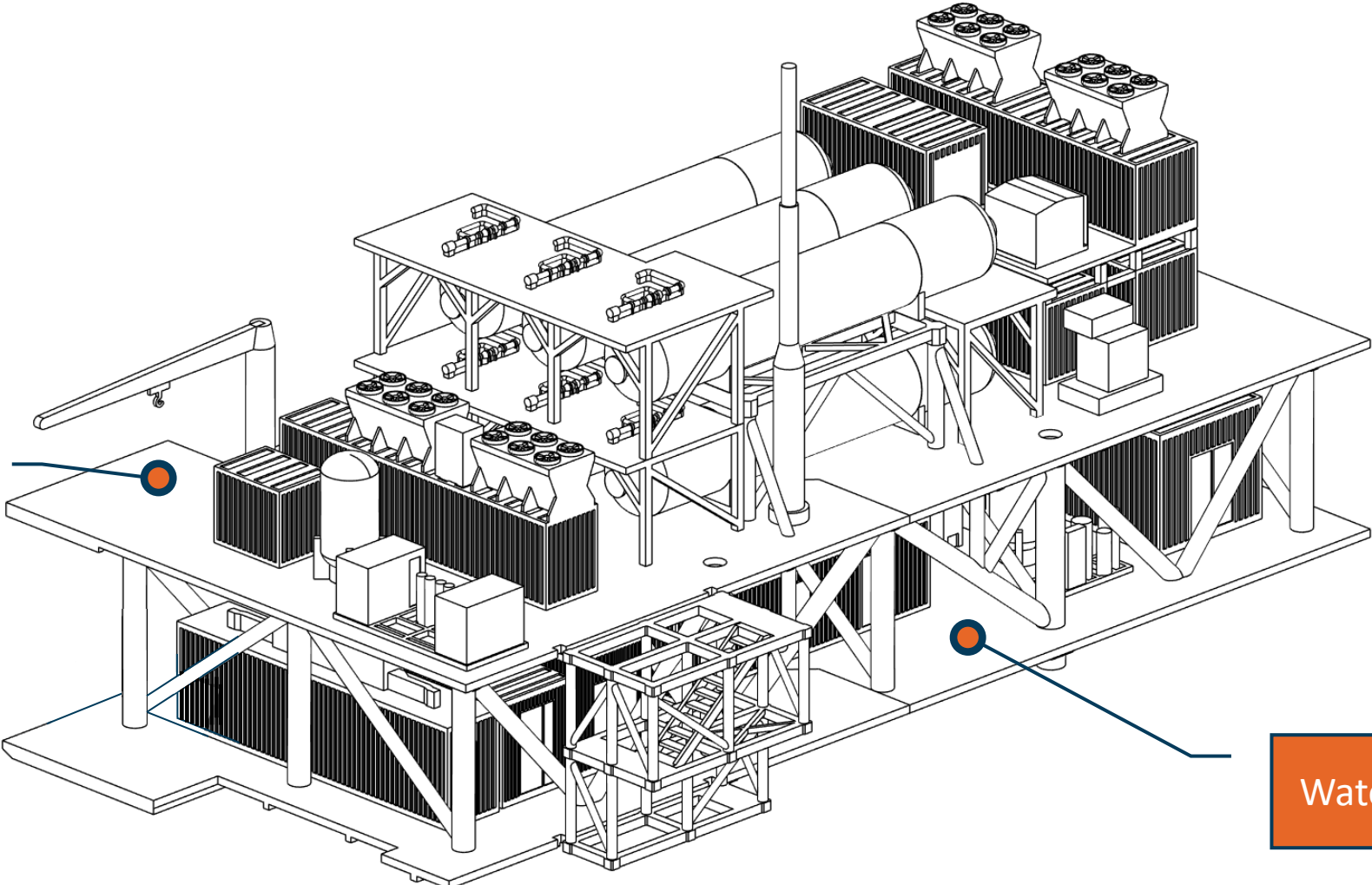
Phynix' monopile

Thanks to Anil Kisoensingh, AI enhanced picture

How does Phynix work?



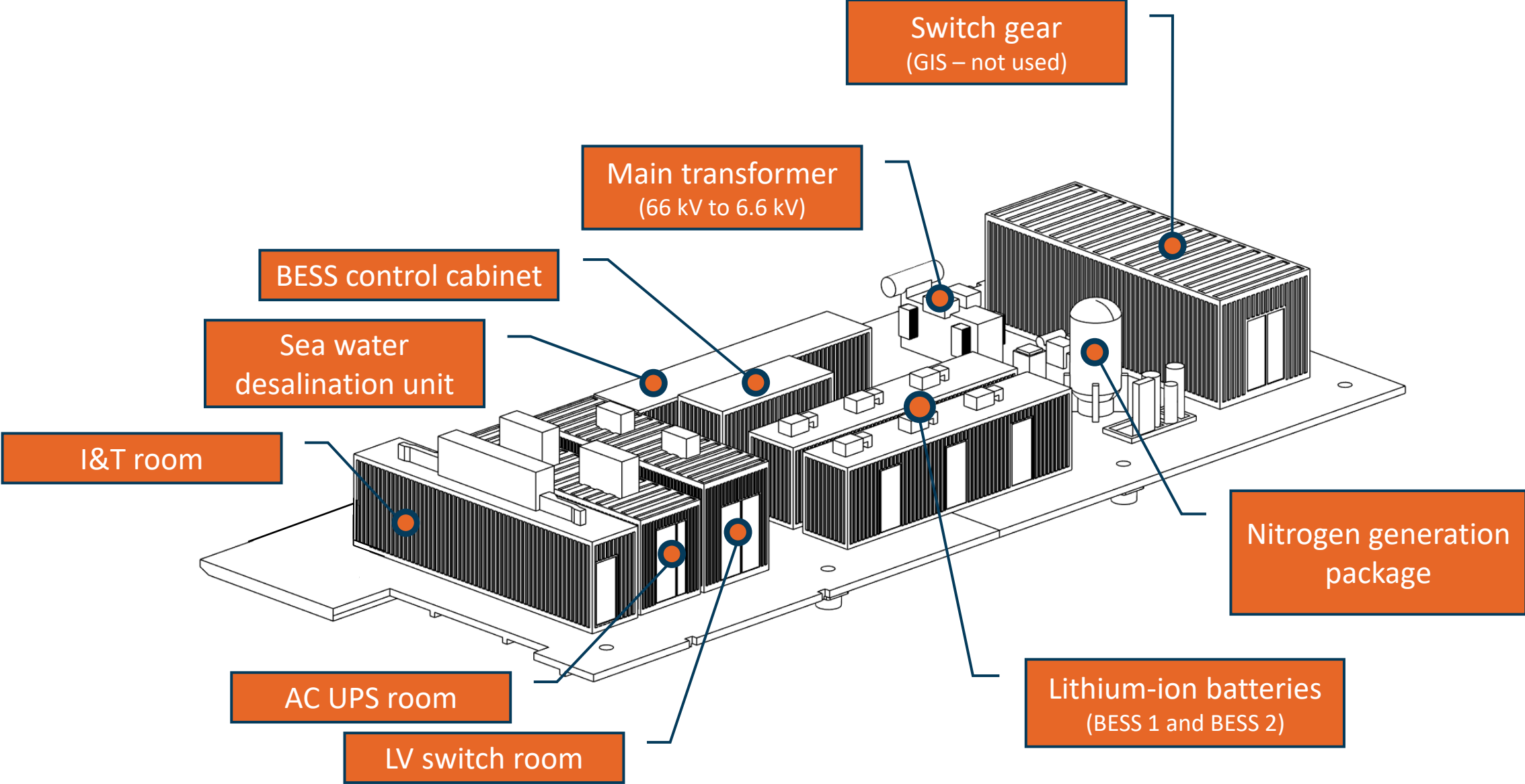
Big Picture



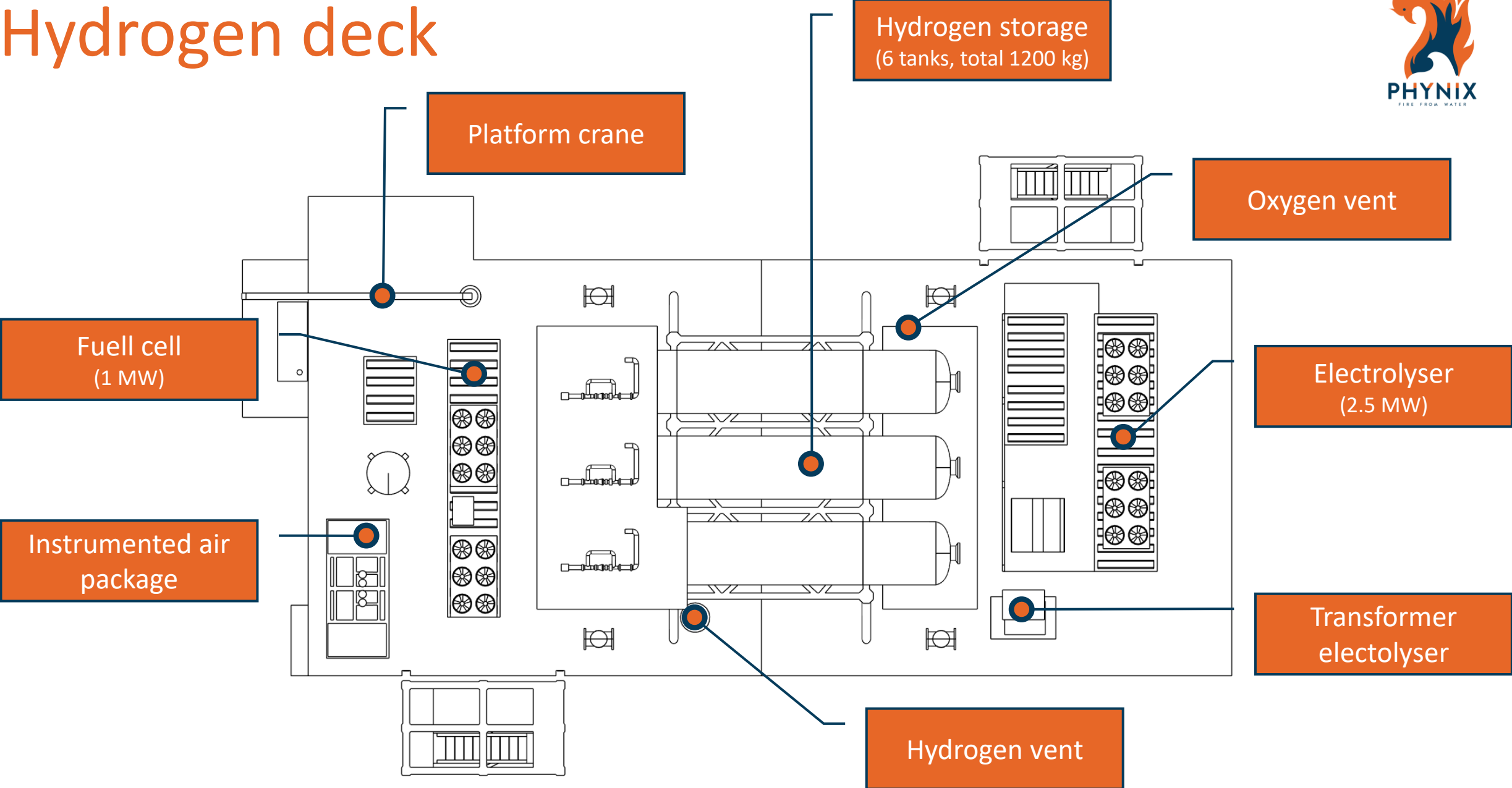
Hydrogen deck

Water and electrical deck

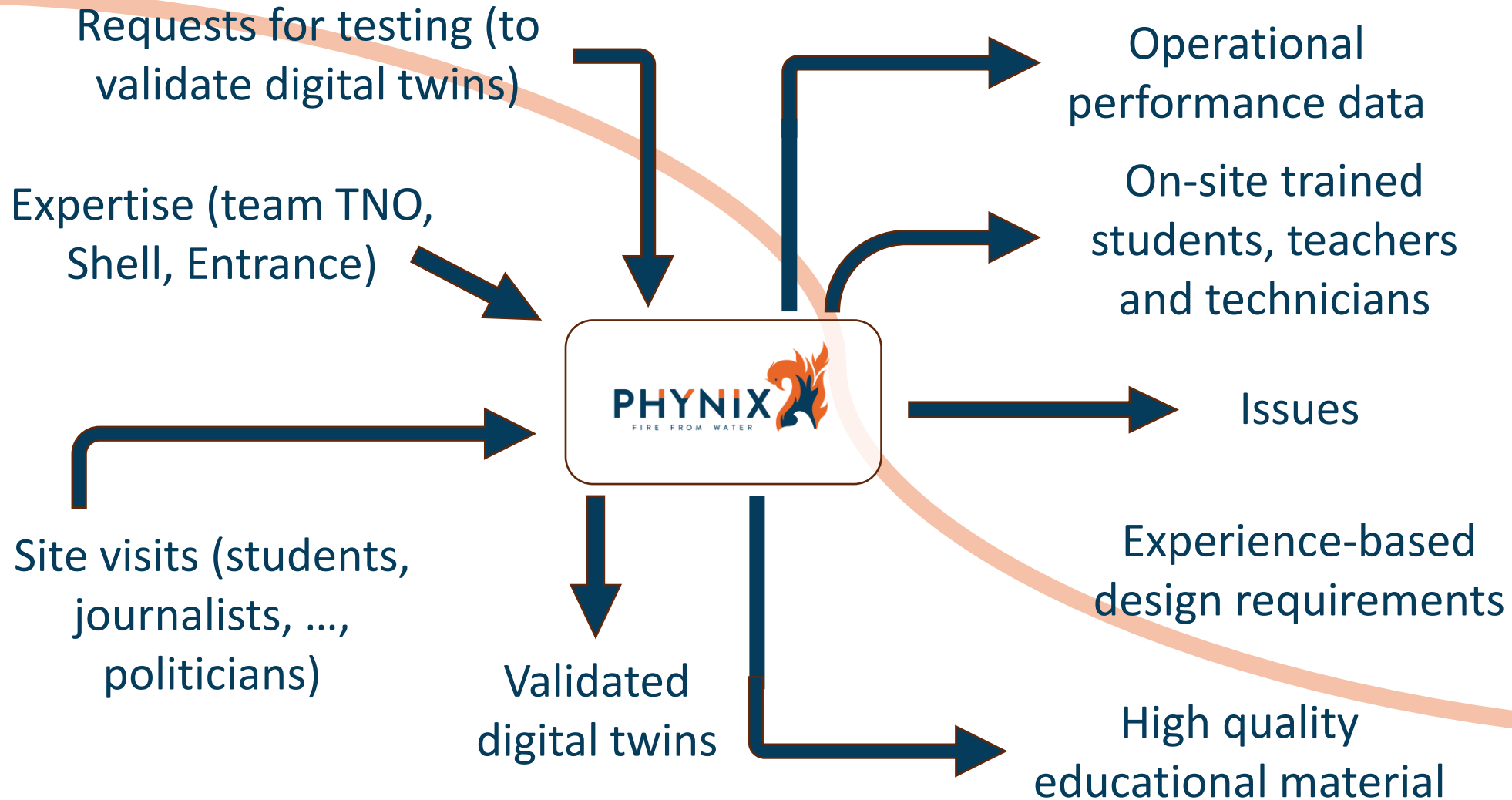
Water and electrical deck



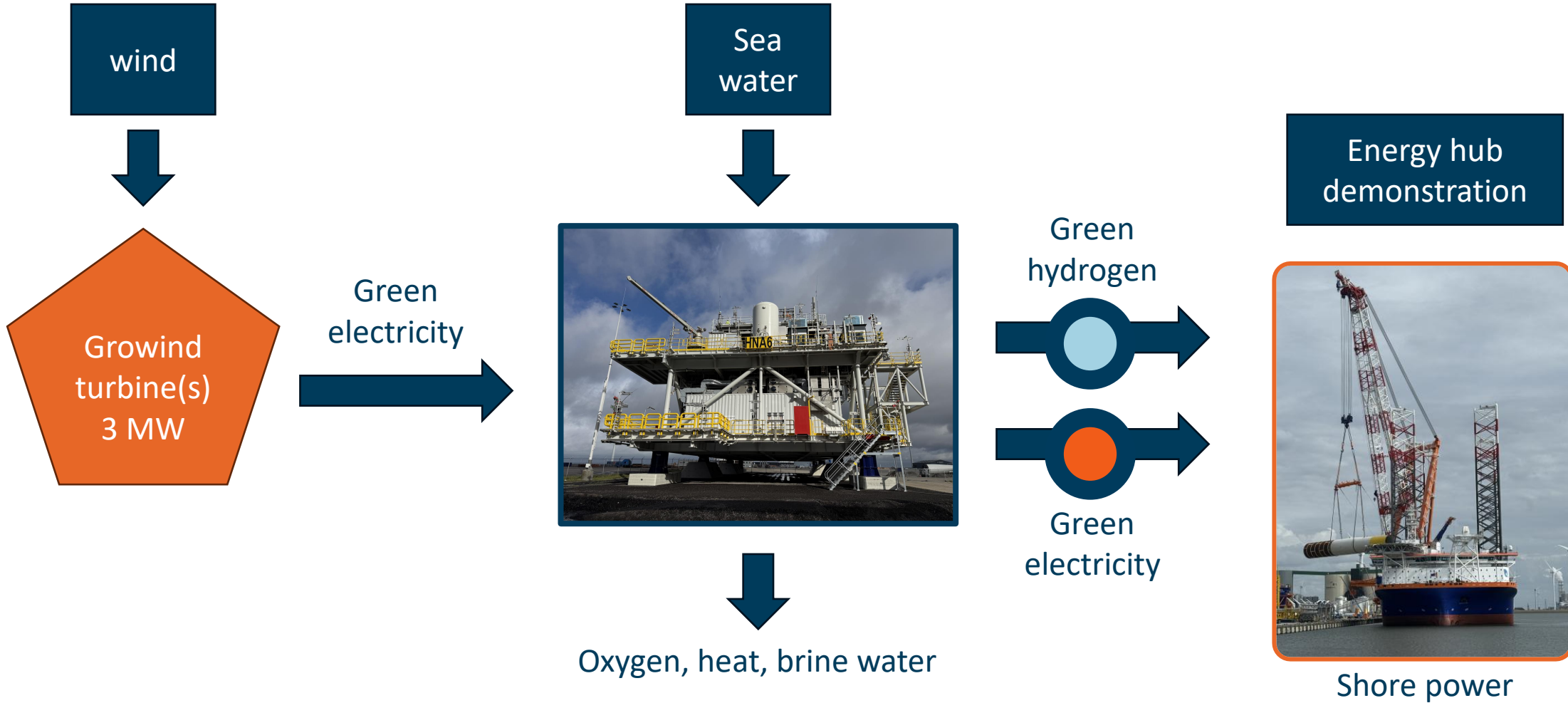
Hydrogen deck



Phynix offers asset-based learning ...



... and a demonstration of the potential of power hubs and shore power



Time for a change



Time for a change



**From
Fear
To
Fun**

Time for a change



**From
Individual
To
Collective**

Time for a change



**From
Ignoring
To
Acting**

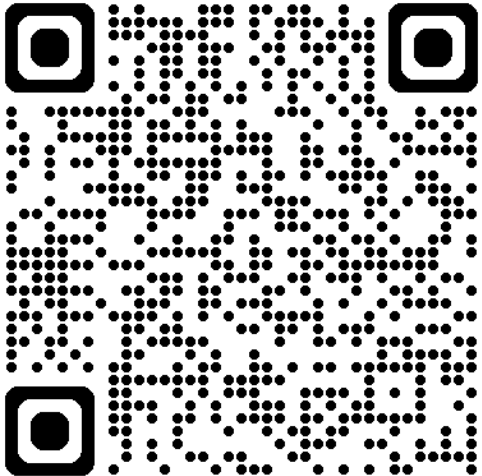
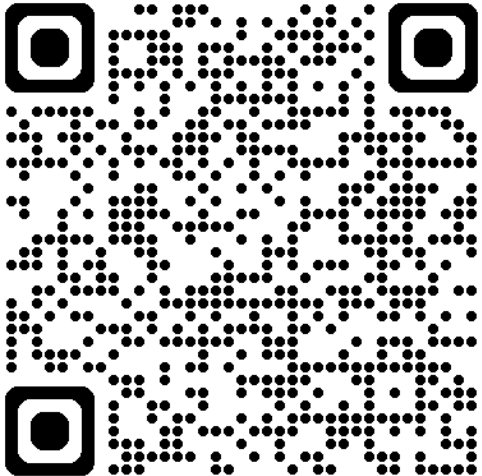
Our partners



Our partners

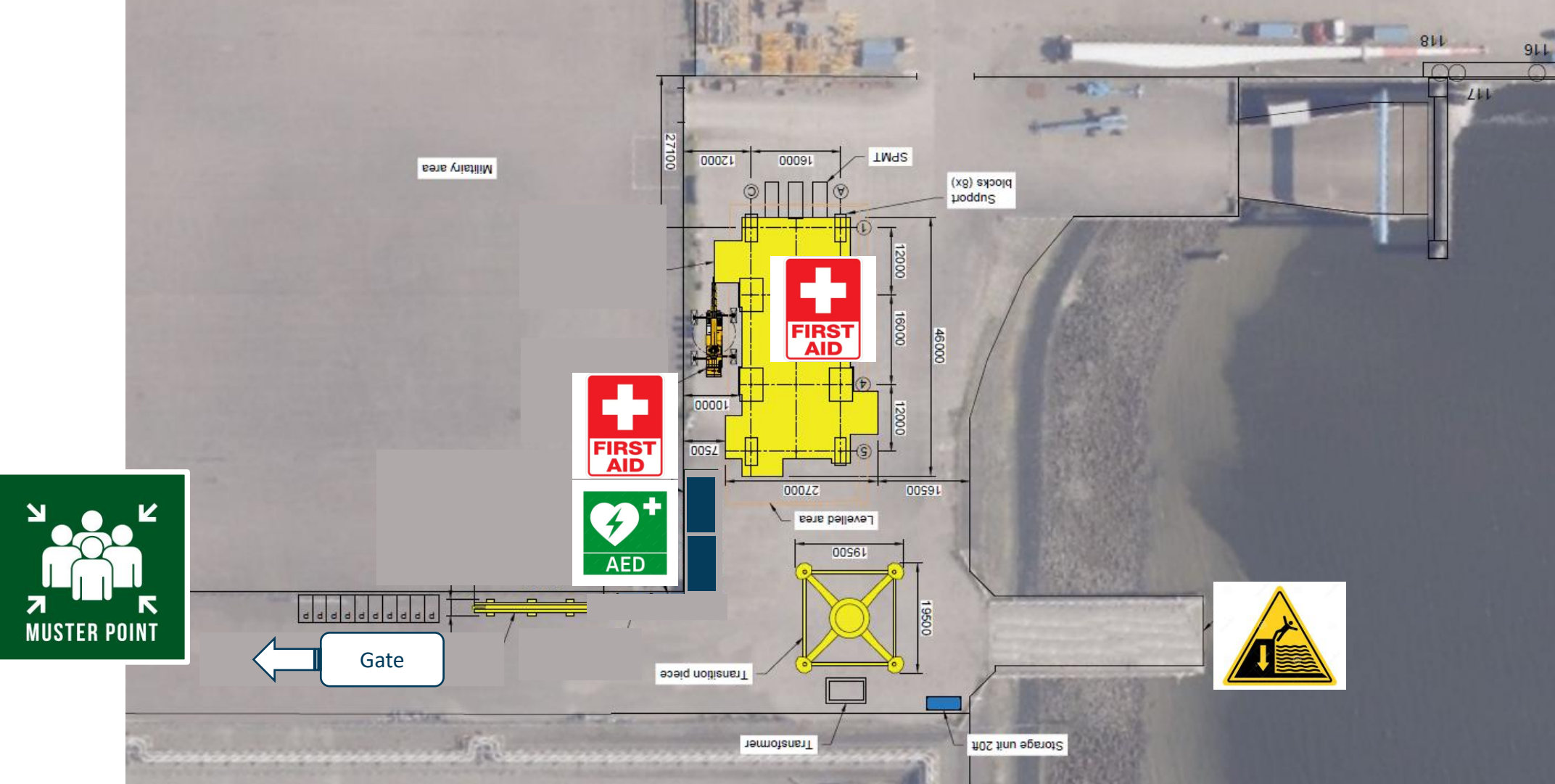


Follow us on LinkedIn ...



... and challenge & support us!

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Today's main physical hazards:

- Ground level:
 1. Slips, trips and falls due to uneven ground / cable crossings / tapered granulate layer
 2. Fall into the water (only at end of jetty)
- Phynix:
 1. Slips (wet floor)
 2. Trips (see picture of 400V cable crossing at first floor)
 3. Hand or finger caught by closing door (especially when windy)
 4. Fall when climbing / taking the stairs: always follow 3-points of contact rule
 5. Hit your head

Zero Harm: both physical and mental



Get dressed and let's meet Phynix ...



+
Safety boots
Gloves

... please take pictures!

DOT

POSITIVE DISPLACEMENT



Connect