



Hydrographic support
for installation and
maintenance of
windfarms :

A SOLUTION

Bart van Mierlo



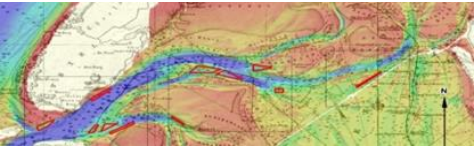
**OFFSHORE
ENERGY 18**

EXHIBITION & CONFERENCE
(22), 23 & 24 OCTOBER 2018
AMSTERDAM | THE NETHERLANDS

WHO IS PERIPLUS?

- ✓ Periplus was founded in 2004 to support the offshore industry
- ✓ Currently 23 permanent staff
- ✓ Periplus has a wide pool of freelance specialists
- ✓ Periplus is based in Amsterdam, The Netherlands

SERVICES



Hydrography and Geophysics



Marine Archeaology



Data Analysis and Management



Offshore Consultancy



Application Development

PHILOSOPHY

“

Periplus brings the
marine environment to
the surface

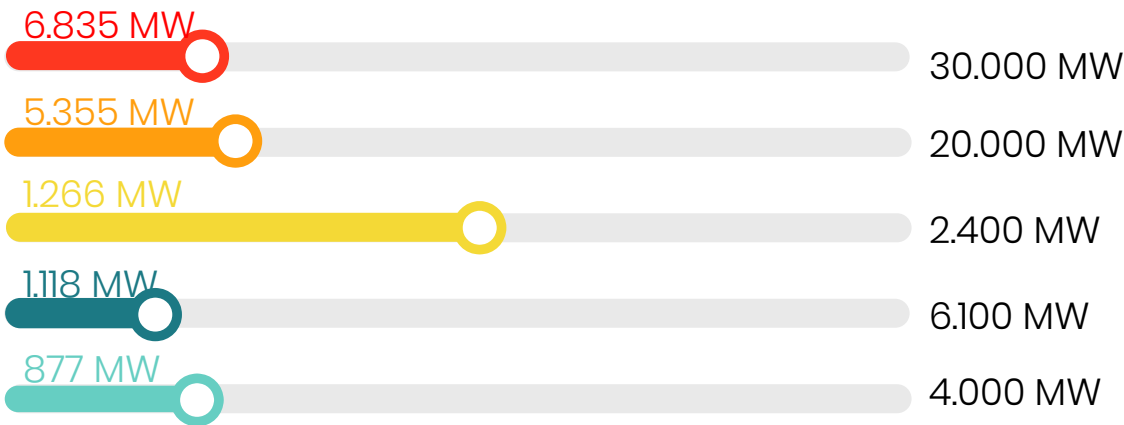
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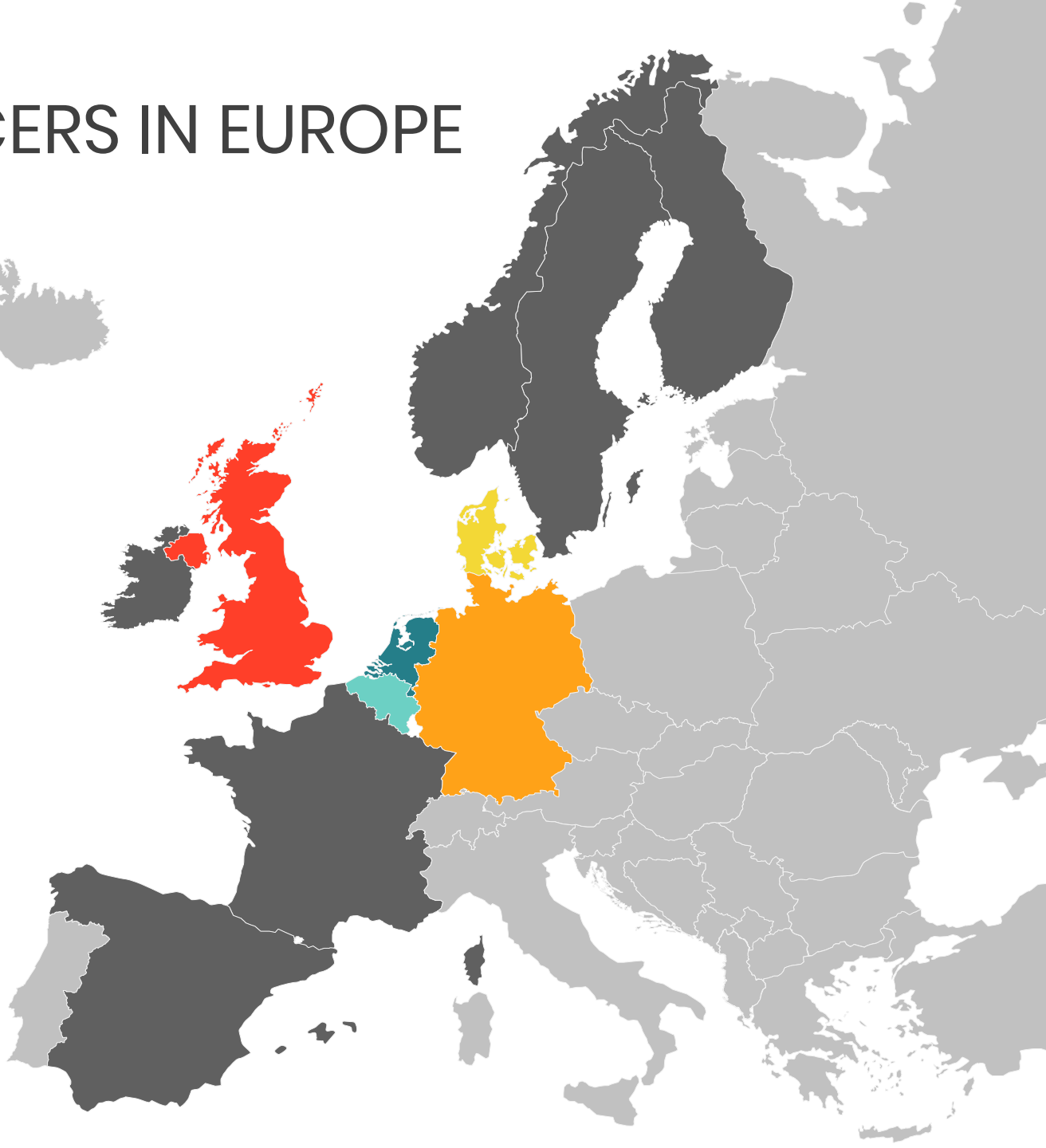
NUMBERS

TOP 5 WIND ENERGY PRODUCERS IN EUROPE

In 2018 and their estimated targets for 2030



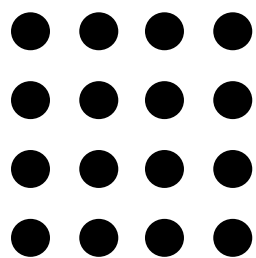
15.78 GW
(www.windeurope.org)



WIND ENERGY EUROPE

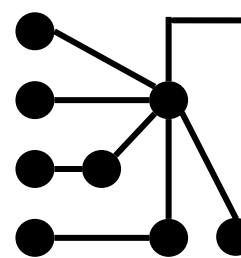
62.5 GW by 2030

**For 25
years**



4149

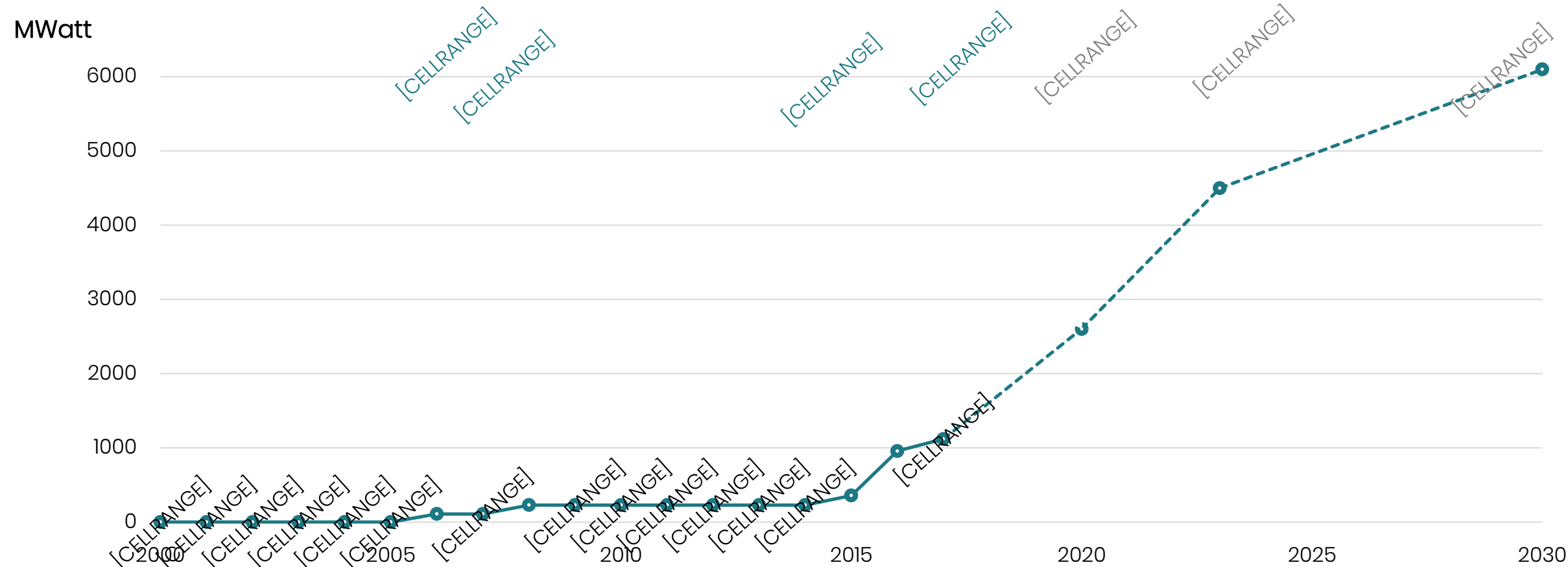
Turbines to
maintain



±100,000 km
cable

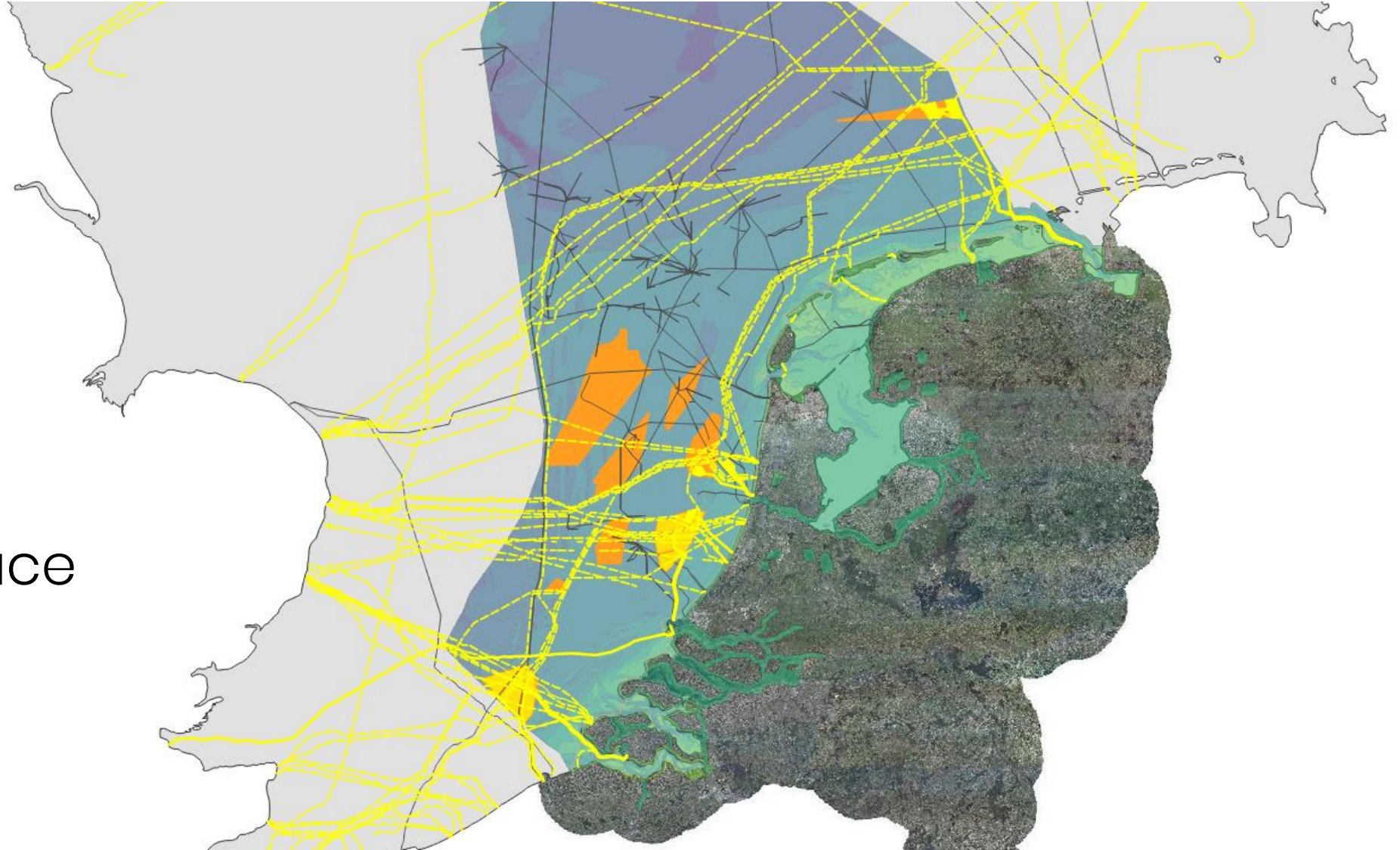
OFFSHORE WIND ENERGY IN THE NETHERLANDS

An exponential growth for the next 15 years



OFFSHORE WIND IN THE NETHERLANDS

2943 km² of
seabed surface
reserved





PLAYERS

OFFSHORE WIND PLAYERS

Owner and/or
operator



manufacturer



installation
contractors



maintenance
contractors



hydrographic
contractors



ROLE OF HYDROGRAPHY IN OFFSHORE WIND



PLANNING



LICENSING



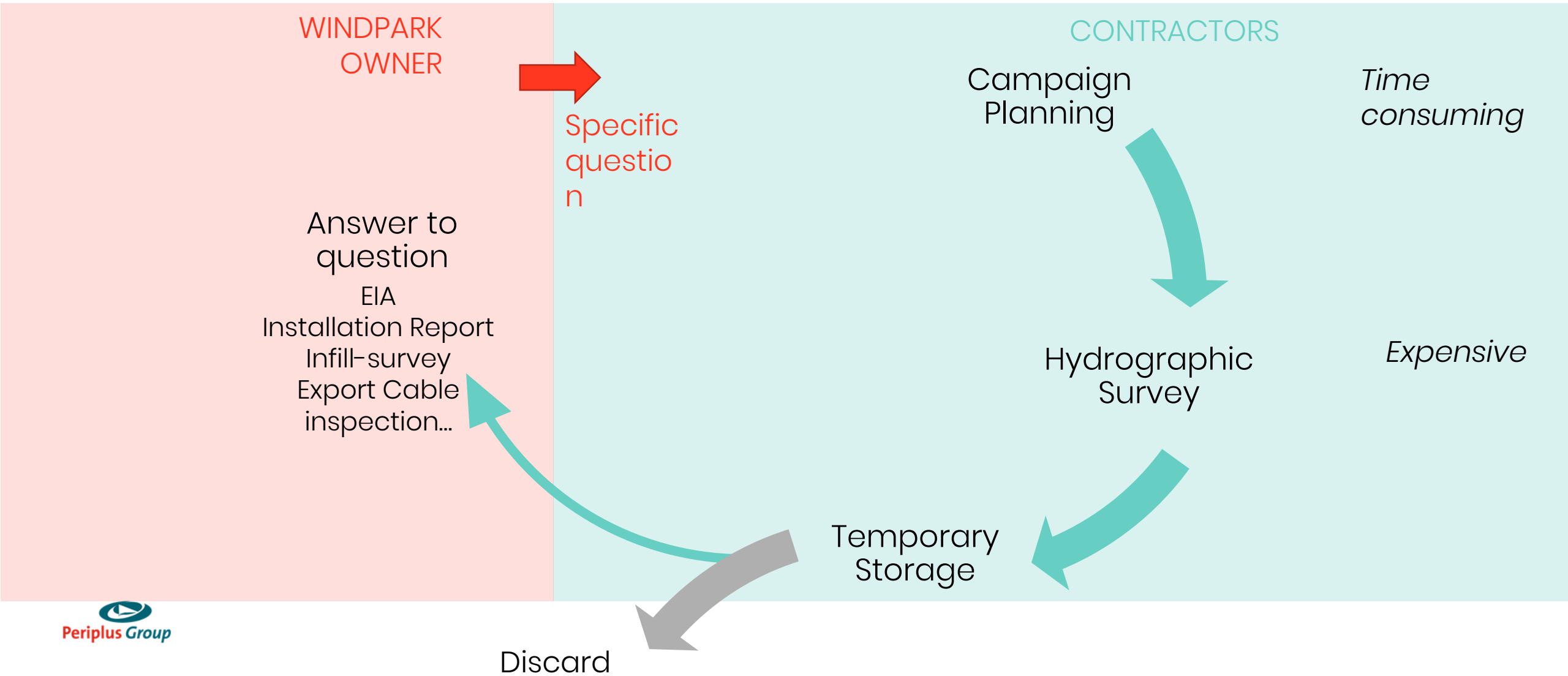
INSTALLATION



MAINTENANCE

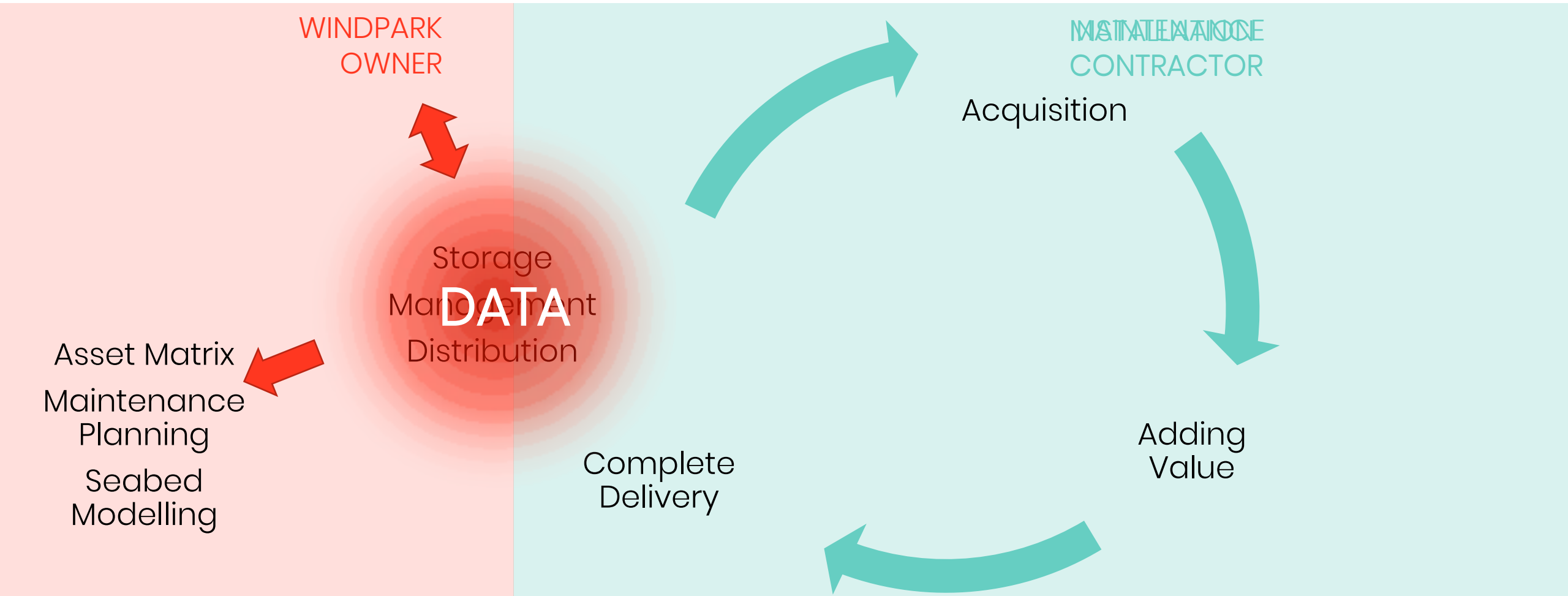
PASSIVE DATA LIFECYCLE

The owner does not have (easy) access to their data



ACTIVE DATA LIFECYCLE

The data owner gains control and responsibility over data and access to their residual value





SEE THE INVISIBLE

IMAGINE

A system where you could

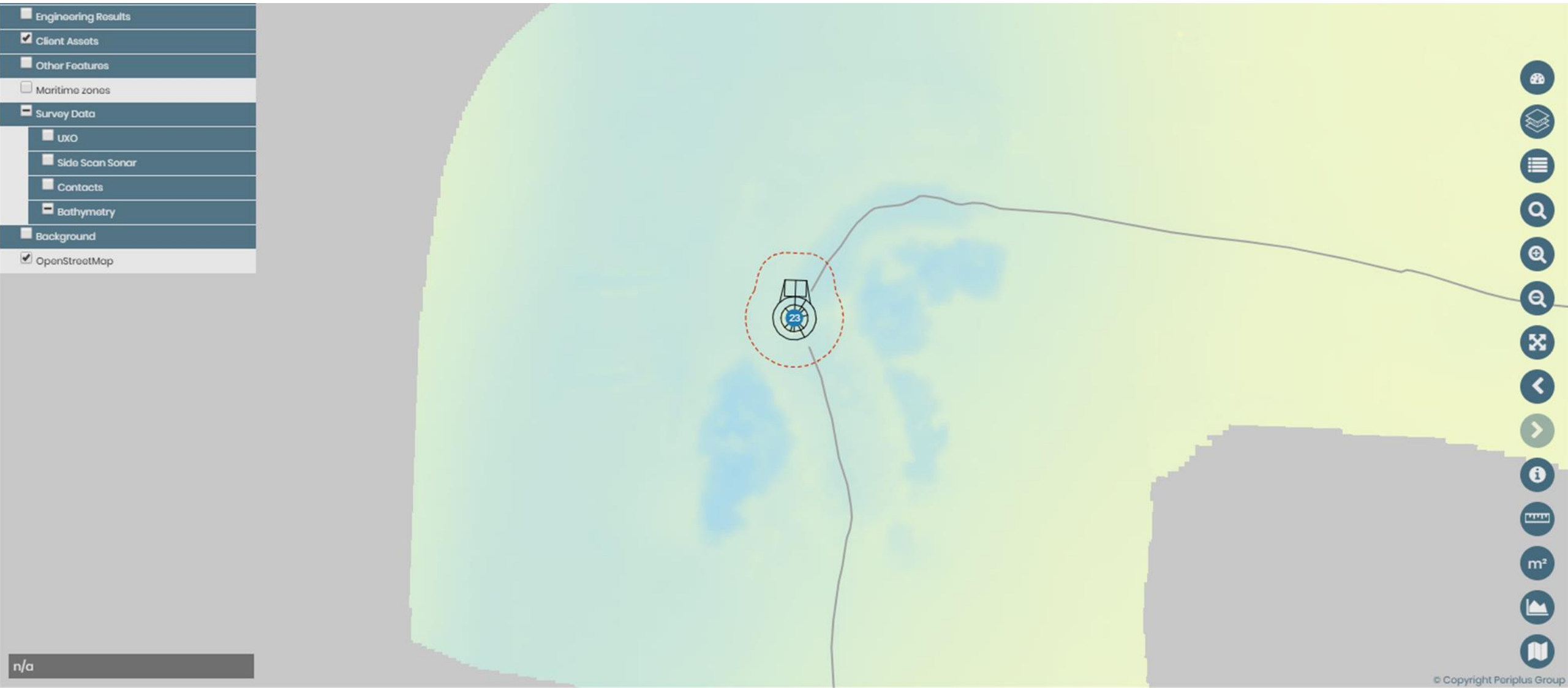
- Access your own data from anywhere
- Answer by yourself most of your questions 24/7
- Share the same, up-to-date data within your project board
- Build up a knowledge over time potentially useful to generate prediction models
- Discover results that cannot be yet foreseen
- Create a cost-effective and more accurate way to manage the maintenance of your park



A SOLUTION

SEE THE INVISIBLE

A SOLUTION : GR:Dit



SEE THE INVISIBLE

A SOLUTION : GR:Dit

Asset Management



MENU

- Manager User ▾
- Inspector User ▾
- Stakeholder User ▲

- Dashboard
- Inspections
- Asset Matrix
- Result Matrix
- Below water

Inspection Details

WTG 02

Transition Piece- -Coating
Published

Requirements

Level	Name	Focus	Findings
.	Coating		
. .	Ladder	Coating	0 events
. . .	Flanges	Coating	2 events
. . .	Uprights	Coating	2 events
. . .	Rungs	Coating	0 events

INSPECTIONS



- 0 Waiting
- 0 Started
- 0 Completed
- 0 Validated
- 7 Published

SEE THE INVISIBLE

A SOLUTION : GR:Dit

- ✓ Web-based intuitive platform
- ✓ Fast and secure connection
- ✓ Spatial management and traditional reports approach
- ✓ Active development of new functionalities
- ✓ Highly reliable custom support

SEE THE INVISIBLE

A SOLUTION : GR:Dit

Please visit us at stand
2302 for a demo!



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