



# ZF Wind Power Lommel

Vlaamse waterweg als logistiek knooppunt



# Facts & Figures of the ZF Group



# Financial Overview 2024



**€41.4 billion**  
Sales



**3.6%**  
adjusted  
EBIT margin



**€0.3 billion**  
adjusted free cash  
flow



**161,631**  
Employees



**€3.6 billion**  
Research &  
Development



**€2.3 billion**  
Investments in  
property, plant,  
and equipment

# ZF USP: Transfer of Technology Expertise Between Different Segments



Electrified  
Powertrain



Chassis  
Solutions



ZF Lifetec



Electronics  
and ADAS



Commercial  
Vehicle Solutions



Industrial  
Technology



Aftermarket

# Strategy: Strengthening our Strengths – Unlocking our Potential



# 8HP Automatic Hybride transmissions

Internal



## **BMW**

3-4-5-6-7 series

X3-4-5-6 series

## **Audi**

A4-5-6-7-8

Q5-7

## **Mercedes**

C class to S class

## **Jaguar**

XF XJ F-pace

## **Land Rover**

Range Rover

Range Rover sport

Discovery

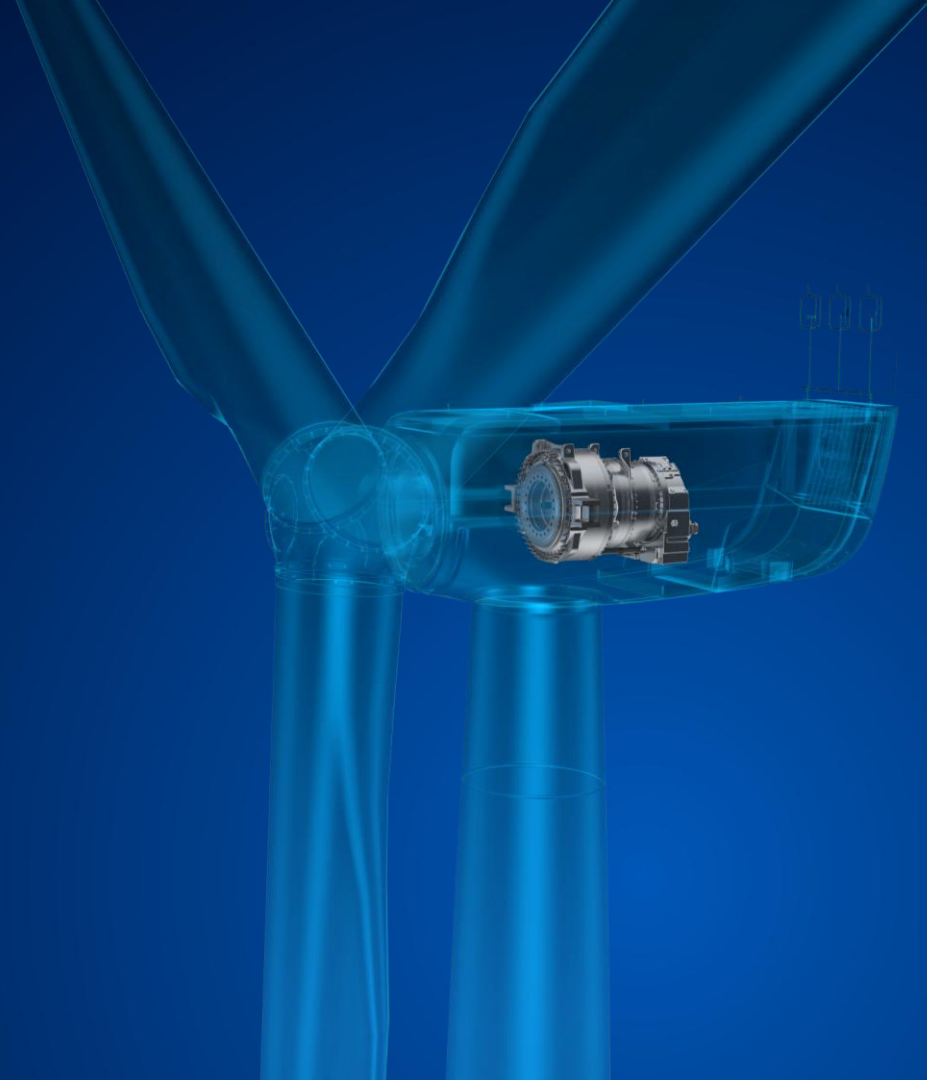
## **Porsche**

911, panamera, Cayenne

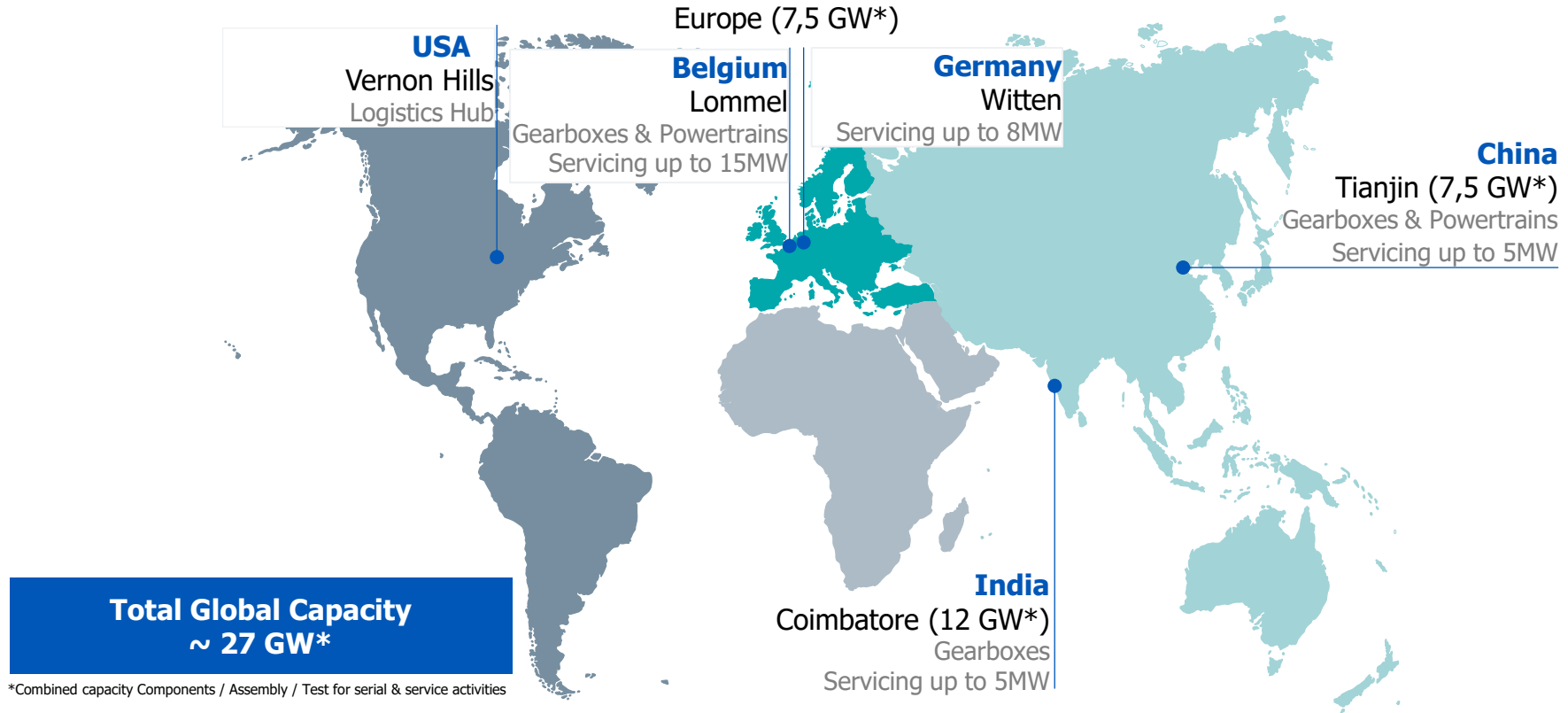
## **Maserati, Lexus...**

# Facts & Figures

## ZF Wind Power



# Global Footprint



\*Combined capacity Components / Assembly / Test for serial & service activities

# Lommel/Antwerp (BE)

## Business Units

IW – Headquarter Lommel

## ZF-Location since 2003

Takeover Hansen Transmissions:  
2011 (foundation: 1923)

## ZF-Share

100 %

## Products

Gearboxes & Powertrains for wind turbines

## Employee

850

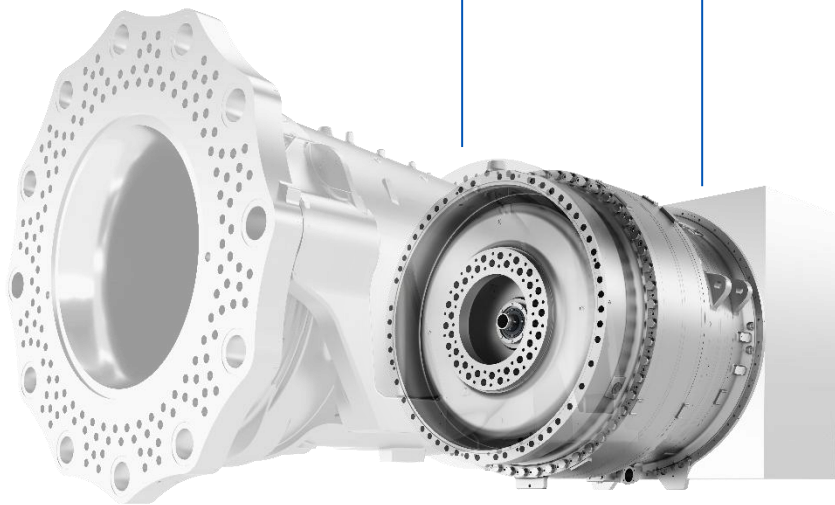


# Powertrain Assembly & Testing

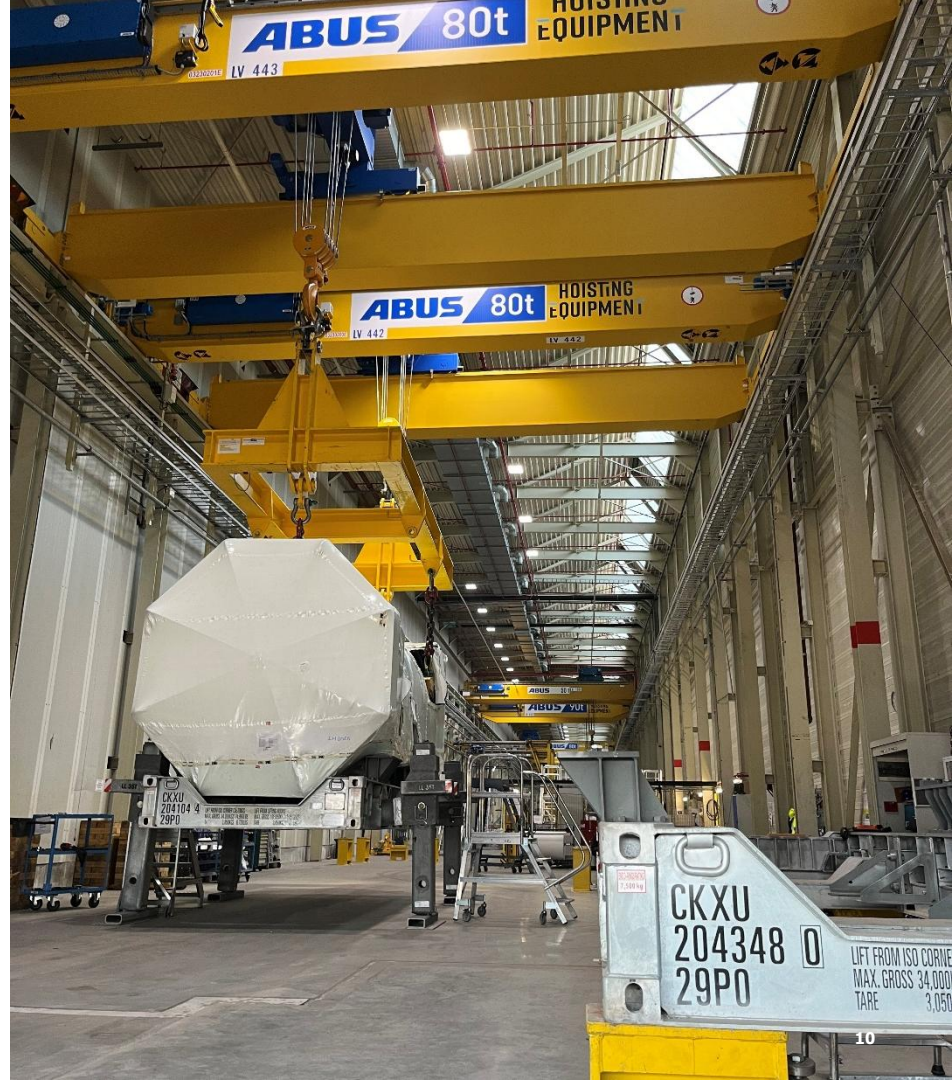
Main shaft

ZF Gearbox

Generator



ZF Wind Power



# Vestas V236 powertrain

## Specification sheet Powertrain

Gross weight

*238t*

Dimensional

*Width: 4,300 mm*

*Height: 4,525 mm*

*Length: 12,400 mm*



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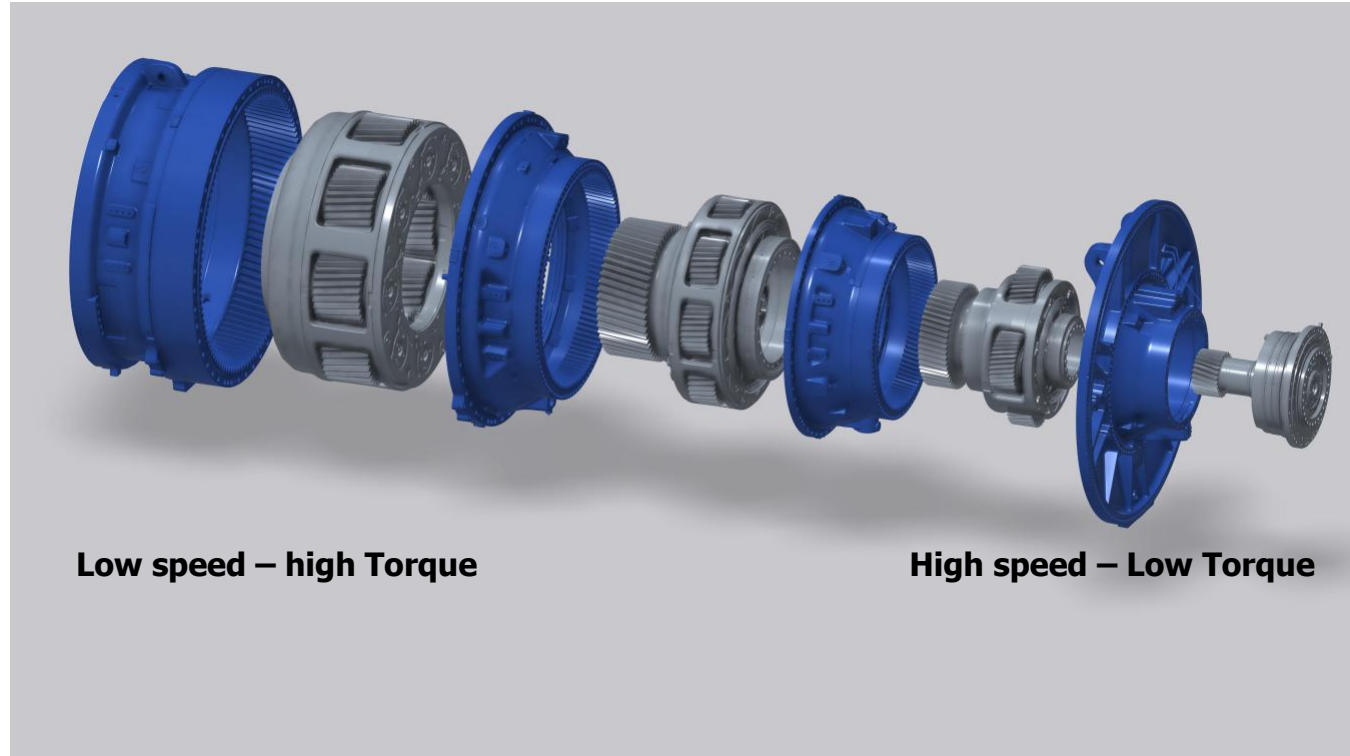
## Specification sheet gearbox

4 stage planetary gearbox

4 Main castings

3 planetendragers

8 + 8 + 4 planeetwielen



# Vestas V236 powertrain



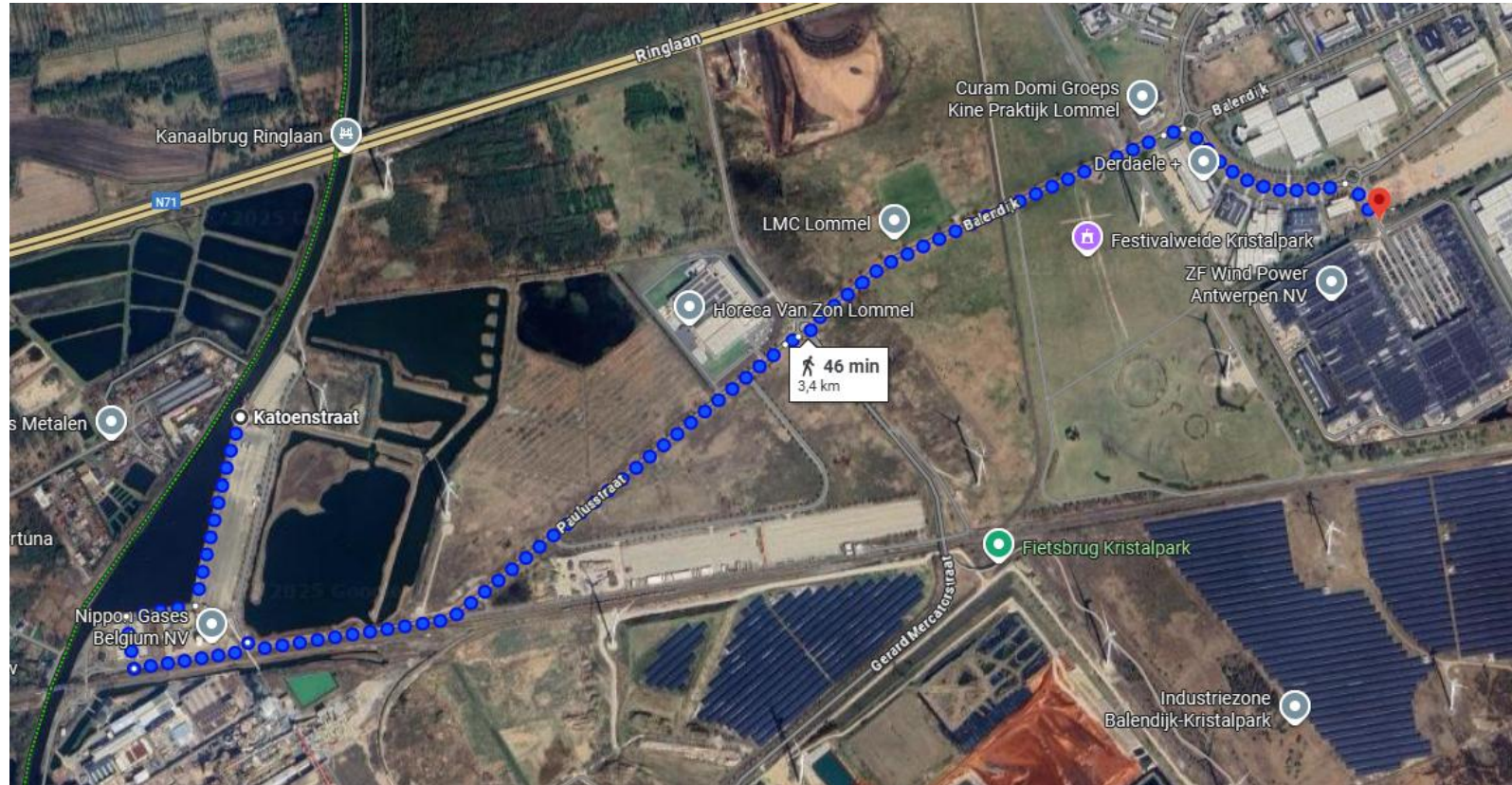
- Line concept with 7 assembly bays
- 19 people per shift in 2 shift regime
- Taking in 22h at this moment to produce daily output
- ZF provides the GBX components
- Vestas provides the PTR components in VMI (vendor managed inventory)
- Yearly volume +-250 units

# ZF – Vestas – Maersk - Mammoet

- Freight forwarding is done with Mammoet with 12 liner PST
- Every Mon/Wed/Fri pickups of units to be efficient and effective
- ZF is putting the PTR outside on storage legs
- Mammoet is doing the self loading at 21h (sunset hours)  
every slot has minimum 1 / maximum 3 units.
- Moving to Port of Lommel, BCTN kay within 3km



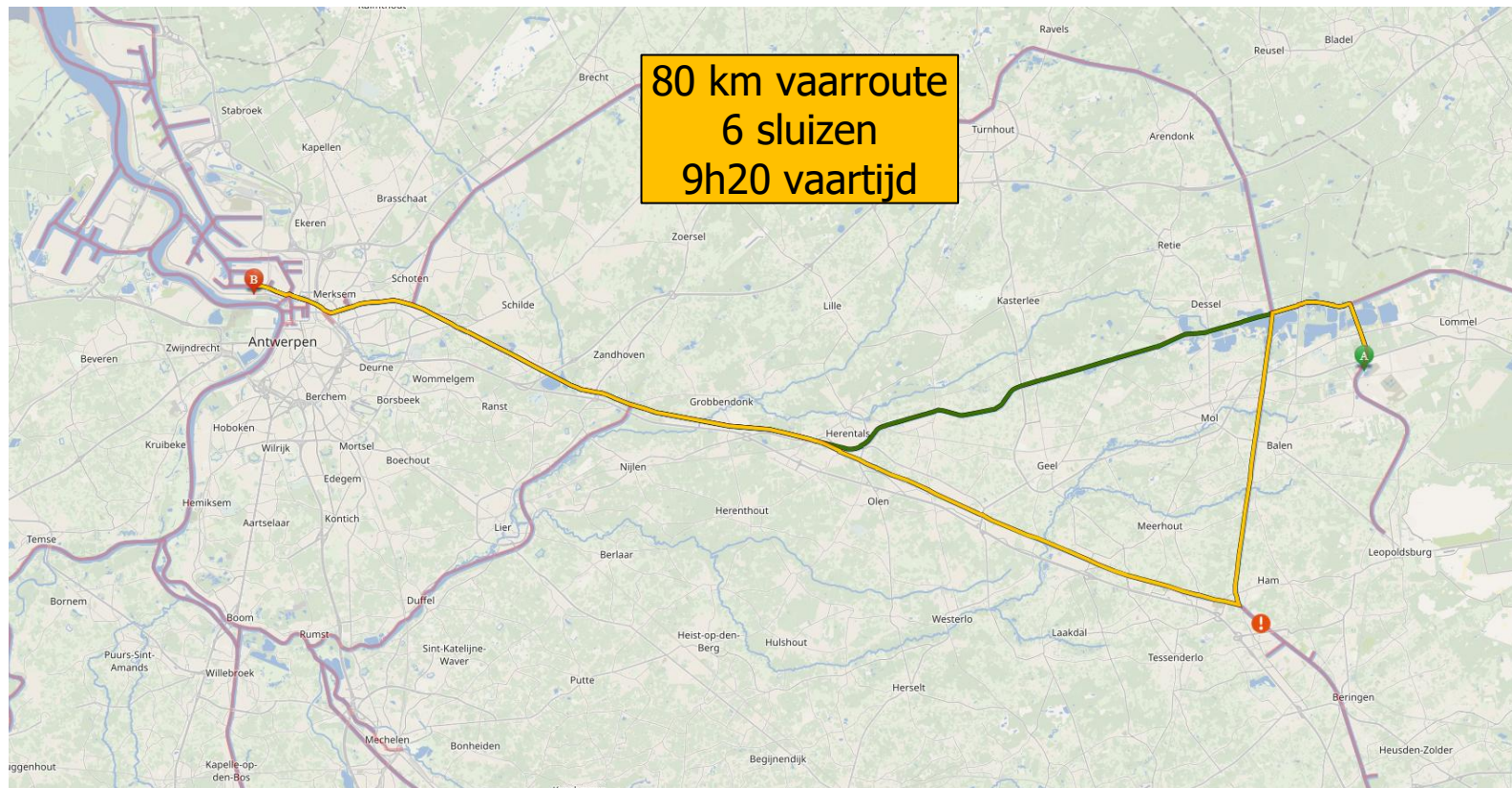
# Onze weg naar de waterweg



# Onze weg naar de waterweg



# Onze weg naar de waterweg



# Vestas V236 Nacelle plant Munkebo (DK)



# Vestas V236 Nacelle plant Munkebo (DK)



Rated power: 15000 kW

Rotor diameter: 236 m

Swept Area : 43,742 m<sup>2</sup>

Power density : 343 W/m<sup>2</sup>  
2,9m<sup>2</sup>/Kw

Ratio is 1:48

Production +- 80 GWh annual

# Vestas V236 Turbine installation



## First projects installations

|              |         |      |
|--------------|---------|------|
| He dreight   | Germany | 64#  |
| Empire Wind  | USA     | 140# |
| Baltic power | PL      | 76#  |

## Installation Vessle Wind Orca (Cadeler group)

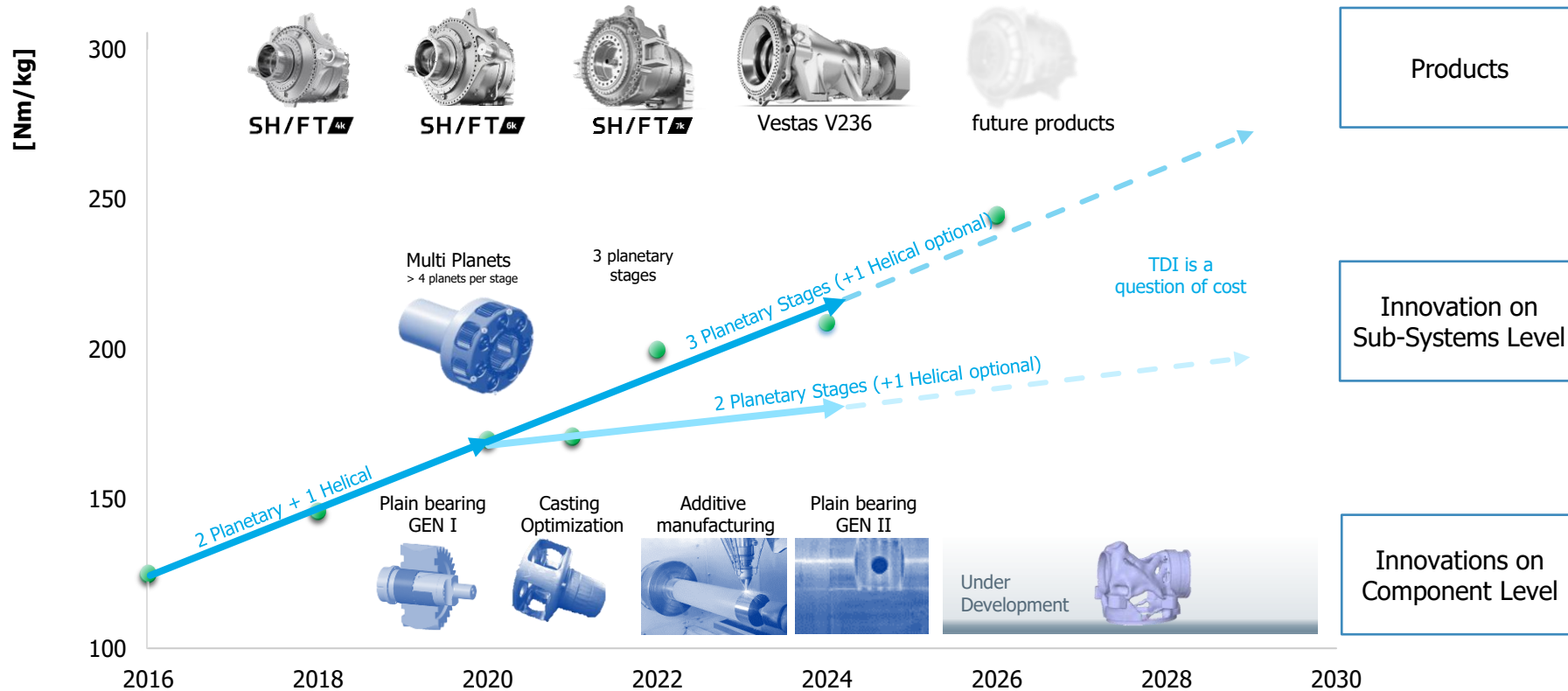
|                        |                      |
|------------------------|----------------------|
| Length over all        | 161.30 m             |
| Breadth, moulded       | 49.00 m              |
| Draught, max.          | 6.00 m               |
| Main Deck Area         | 4,300 m <sup>2</sup> |
| Deck Loading           | 15 t /m <sup>2</sup> |
| Payload, jacking up to | 11,000 t             |
| Max. Leg Protrusion    | 80 m                 |

111 Single berth cabins

# The future state



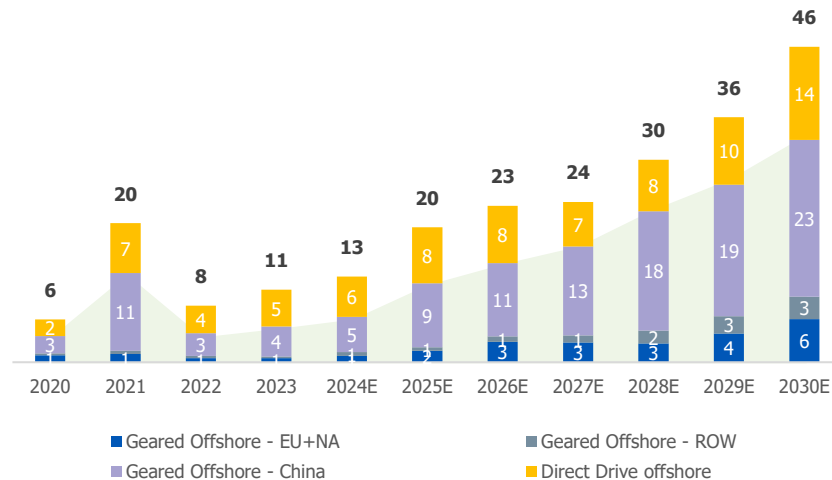
# Boost Performance - Torque Density Increase



# Powertrain technology in offshore segment

## Offshore: Geared and Direct Drive co-exist

- Geared technology in offshore market expected to recover, driven by Chinese OEMs and Vestas



Source: ZF WP market intelligence, Q1 2025



# Test and Prototype Center

Accommodating tests from component to system level up to 30MW (incl. non-torque loads)



# Future state supply chain

- Milkrun optimalisatie van het binnenwater
- Outbound operationeel krijgen van PTR
- Inbound business case opmaken met alle / nieuwe partners
- Intermediate storage dichterbij ZF Lommel

# Offshore powertrain innovation, local waterway integration and sustainability in perfect harmony

