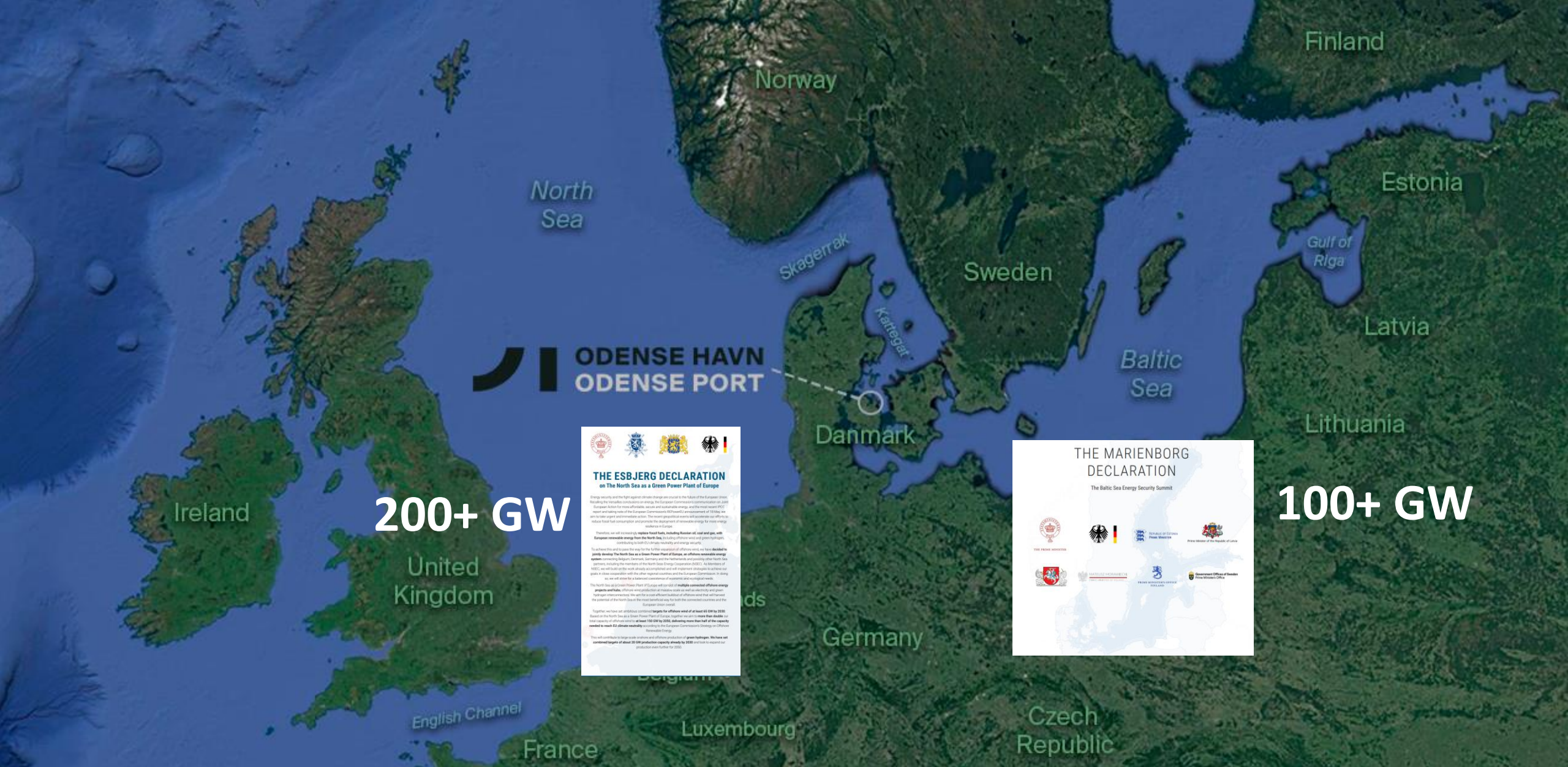




ODENSE HAVN
ODENSE PORT

WE EMBRACE A GROWING WORLD





200+ GW


THE ESBJERG DECLARATION
on The North Sea as a Green Power Plant of Europe

Energy security and the fight against climate change are crucial to the future of the European Union. Realising the potential of the North Sea as a Green Power Plant of Europe is a key objective of the European Union's energy policy. The European Commission's communication on June 2010, 'European Action for more affordable, secure and sustainable energy', and the most recent IPCC report and taking note of the European Commission's (2010) assessment of 100 GW, we are today agreed and committed to action. The most significant action will be to ensure an effort to reduce fossil fuel consumption and promote the deployment of renewable energy for more energy resilience in Europe.

Therefore, we will collectively replace fossil fuels, including Russian oil, coal and gas, with European renewable energy from the North Sea, including offshore wind and green hydrogen, contributing to both EU climate neutrality and energy security.

To achieve this we agree to the ESBJERG Declaration of intent and we have decided to jointly develop The North Sea as a Green Power Plant of Europe, an offshore renewable energy corridor connecting the United Kingdom, Ireland and the Netherlands and connecting them to the partners, including the members of the North Sea Energy Cooperation (NSEC). As members of NSEC, we will work to the north energy corridor and will support strategic maritime and ports in close cooperation with the other regional countries and the European Commission. In doing so, we will strive for a sustainable development of maritime infrastructure.

The North Sea as a Green Power Plant of Europe will provide a multiple connected offshore energy projects and hubs, offshore wind production at massive scale as well as electricity and green hydrogen interconnectors. We will be a cost-efficient hub of offshore wind that will harness the potential of the North Sea in the most beneficial way for both the connected countries and the European Union overall.

Together we have set ambitious concrete targets for offshore wind of at least 65 GW by 2030. Based on the North Sea as a Green Power Plant of Europe, together we will ensure that the total capacity of offshore wind is at least 100 GW by 2030, delivering more than half of the capacity needed to reach EU offshore electricity production by 2030.

Renewable Energy

We will continue to take significant action and achieve production of green hydrogen. We have set combined targets of about 25 GW production capacity already by 2030 and look to expand our production even further by 2050.

THE MARIENBURG DECLARATION
The Baltic Sea Energy Security Summit


THE PRIME MINISTER
THE PRIME MINISTER
THE PRIME MINISTER
THE PRIME MINISTER
THE PRIME MINISTER


THE PRIME MINISTER
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THE PRIME MINISTER

100+ GW

Odense Port

Nordeuropas største produktionhavn



7,500,000 m²



Maritim | Industri | Bulk | R&D



6.500 jobs (direct/indirect)



Odense Havn

Vision for den grønne omstilling

→ Produktion

- Komponenter i vindmøllen (nacelle, tårne, vinger)
- Fundamenter (faste og flydende)

→ Installation

- Vindmøller (Pre-assembly og installation)
- Marshalling
- Flydende fundamenter (Assembly og installation)

→ Test & Robotter

- Komponenttest
- Large Structure Production



”Vi rummer en verden i vækst”

- Ledigt areal
- Nordens største portalkran
- Verdensførende nacelle testcenter
- Unik heavy load plade på kaj
- Vanddybde

2,200,000 mio. m²
1,200 t
25 MW
118 tons/m²
11 m (→ 12 m)



Track record

Vestas	# 500+ naceller
Siemens	# 600+ generatorer
Bladt	# 110+ fundamenter
Companies	# 150+
Jobs at site	# 2500+
Turnover	# 1,3 mia. €



Made@Odense Port
2022



Bladt Industries & Semco Maritime's produktion af substations til USA med levering fra 2023 og frem



Made@Odense Port
2022

Odense Havn vil blive lokationen for Bladt Industries produktion af verdens største monopæle med diameter op til 15 meter

Made@Odense Port
2024



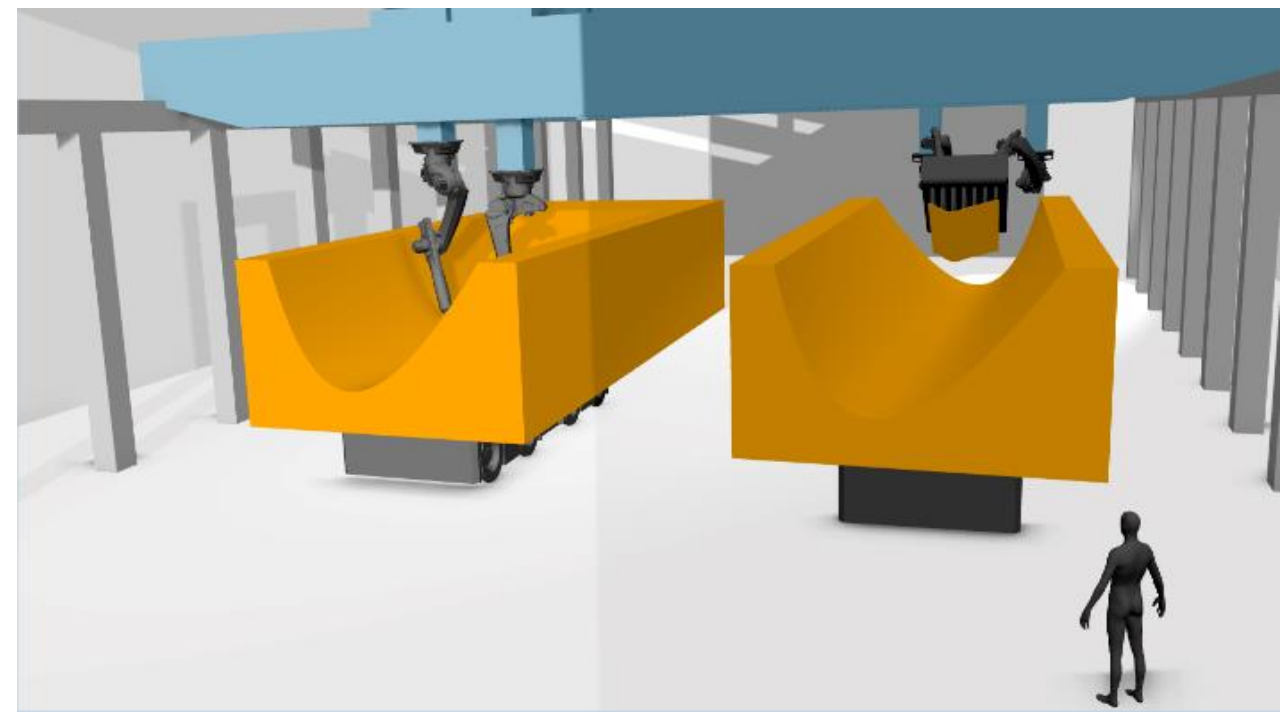
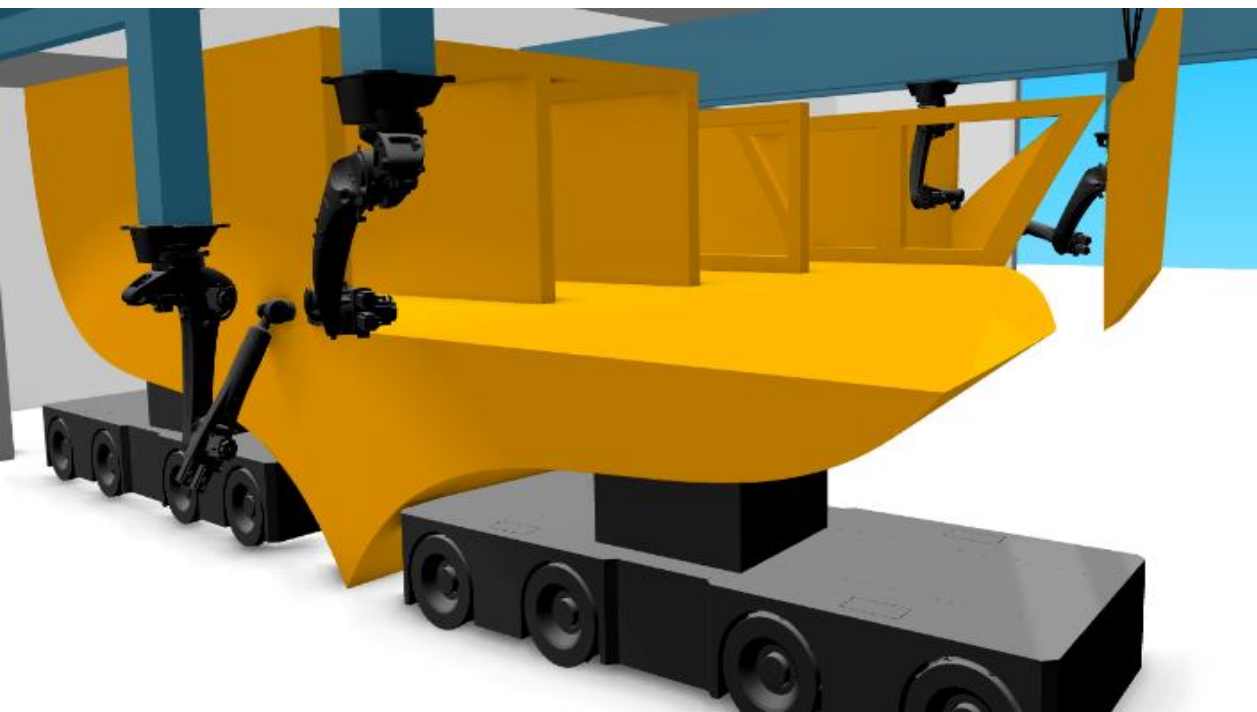
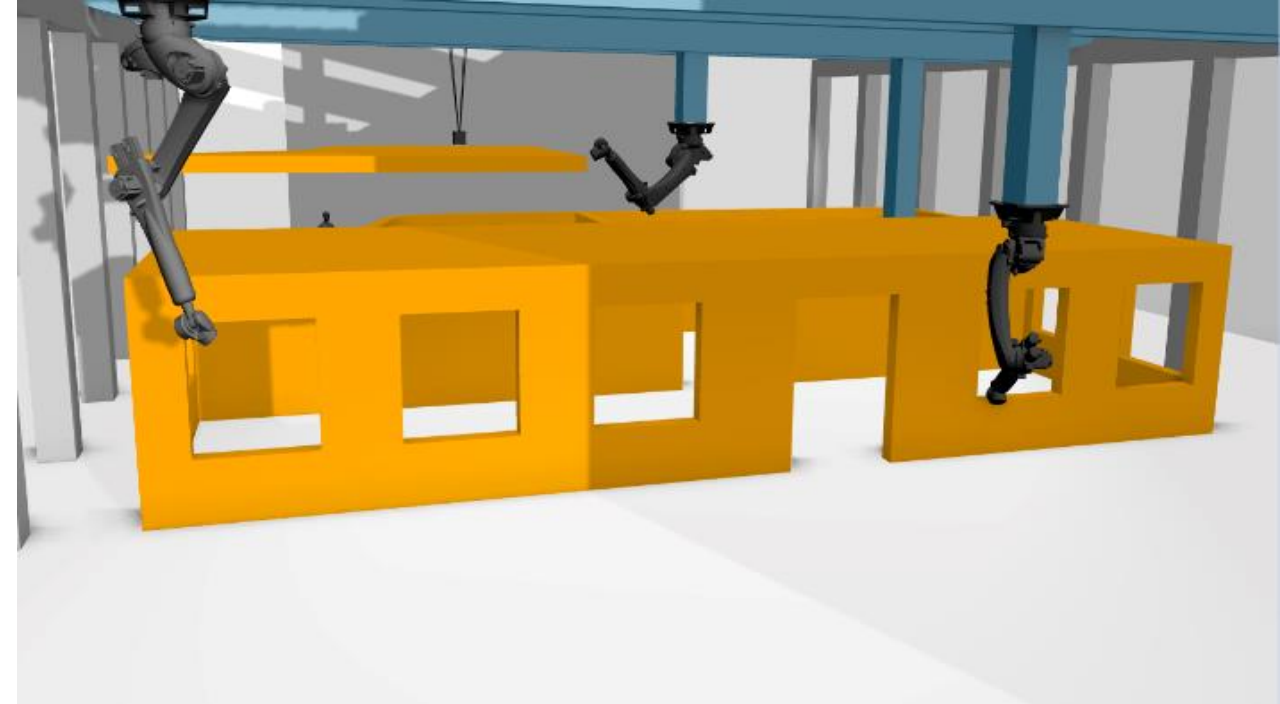
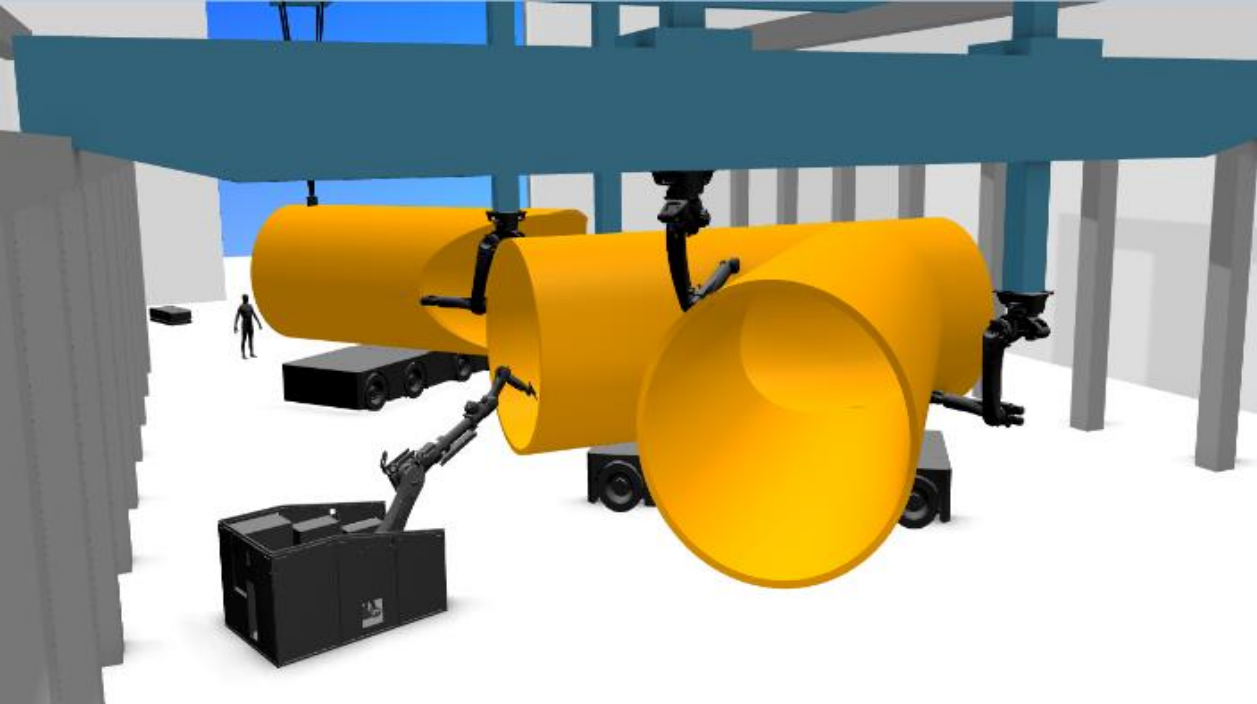
Vestas nye nacelle V236-15MW skal bygges på Odense Havn

Made@Odense Port
2024



SDU/LSP
ODENSE HAVN

A.P. Møller Fonden har doneret 90 mio. kr. og staten 88 mio. kr. til et Center for Large Structure Production



LSP partners

Partners	Collaborators in use cases	Interest from sectors	Interest from automation community	Commitment from clusters
  ODENSE HAVN ODENSE PORT	 Henning Larsen           	        	          	        

Odense Havn etablerer på Danmarks største **dry port**

En **million** kvadratmeter mellem Odense og Årslev skal udvikles til en bæredygtig logistikhub, der skal højne forsyningssikkerheden til Odense Havns kunder indenfor den grønne omstilling

- Danmarks største logistikhub med **500.000 m² bygninger**
- Udvikling af området for **4-5 milliarder kroner**
- **Multimodalitet** med jernbane og motorvej
- **Lager og logistikløsninger** til den grønne omstilling på Odense Havn

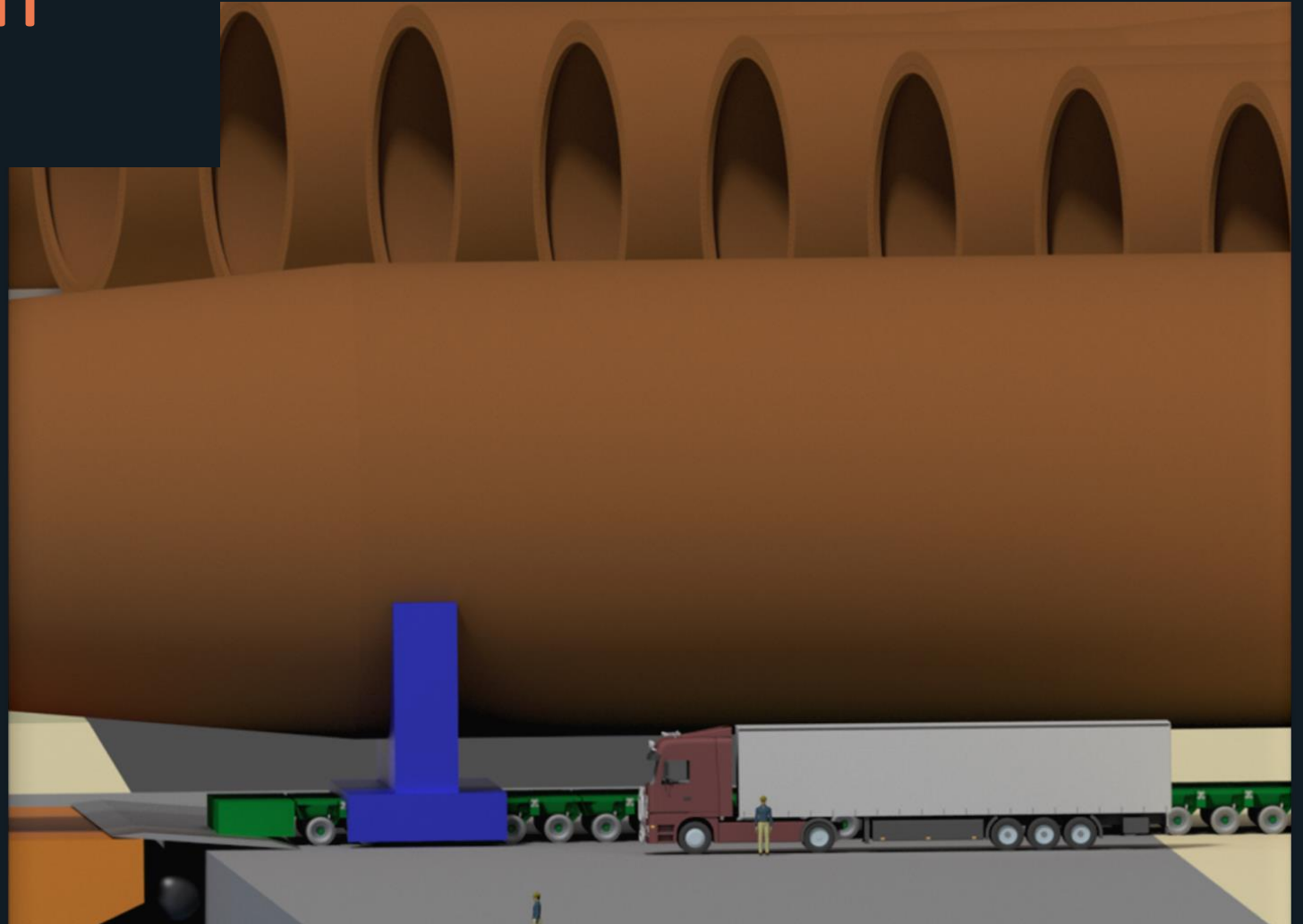


Investeringsprogram

2021-2030

- Udvidelse af **sejlrende** til 12 m dybde og 100 m bredde
- En ny **ringvej** til tung transport
- Bygning af **XXXL produktionshaller**
- Opkøb af **nye jordarealer**
- Uddybning af Nordeuropas største **tørdok**
- Udvidelse af **vejnettet** til E45
- Etablering af test faciliteter til **industrielle robotter**
- **Videncenter** for robotteknologi

Samlet investeringer: **DKK 1,5 mia.**







650.000 m²





50 meter



Udvidelse af sejlrenden

Bredde 60 m → 150 m
Vanddybde 11 m → 12 m



Etablering af ny sejlgrende

Bredde 180 m
Vanddybde 12 m

Udvidelse af sejlgrenden

Bredde 60 m → 180 m
Vanddybde 11 m → 12 m





Spørgsmål?

Michael Petersen
Commercial Manager