

Common Futures led the strategic vision of the advice for the Dutch North Sea Energy Infrastructure Plan (*EIPN*)

On behalf of...

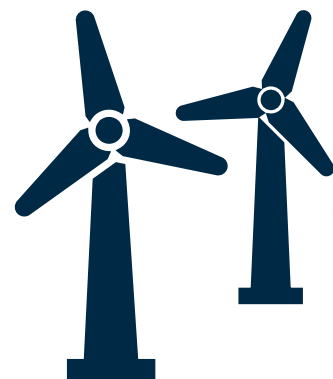


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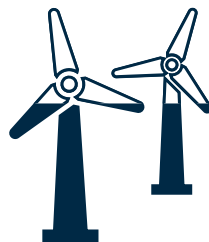




**One key challenge;
How do we connect
50 GW of offshore
wind by 2040 in the
Dutch North Sea?**



**50 GW in
2040**

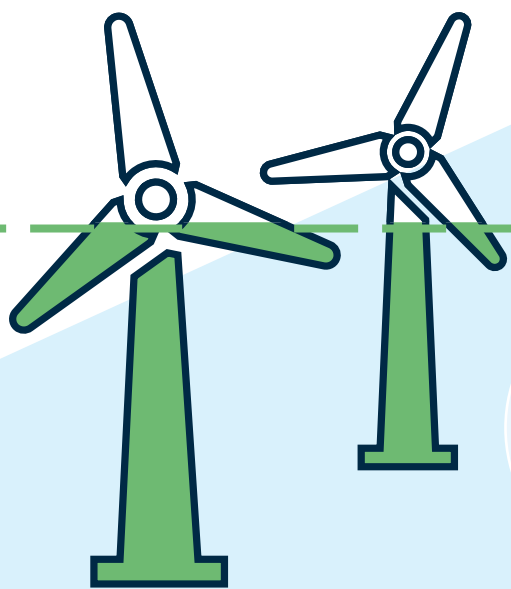


**~21 GW
in 2031**



**~5 GW
today**

Eemshaven



**Integrate
into power
system**

**Convert to
hydrogen
at sea**



**Currently, there is too much
uncertainty over power and
hydrogen system developments
to 2040**

**Meanwhile, converting
power to hydrogen at sea
is currently unproven**



**Pilot projects are needed to
research in-turbine
electrolysis or a centralised
approach**

**Then, the best method
should be chosen to allow
efficient planning of
electricity and hydrogen
networks**



**For now, planning must
include leeway, considering
the different possible
developments in hydrogen
and electricity**



We worked together with...



Ministerie van Economische Zaken
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Ministerie van Infrastructuur
en Waterstaat



Rijksdienst voor Ondernemend
Nederland



gasunie

ebn

Deloitte.

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**MOTT
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