



DEEP DIVE

**Asking the right questions and solving
the right problems**

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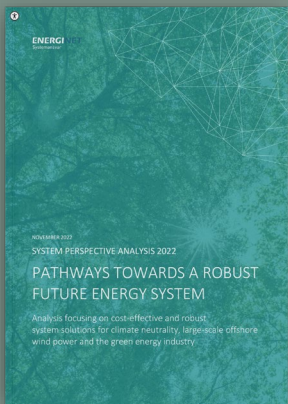
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4x onshore electricity generation
from wind and solar
~12 to 50 TWh by 2030



Annual consumption
of JP1 jet fuel in Denmark



27 GW of total offshore wind
capacity by 2035
~10 to 120 TWh



Maersk target:
25% green fuel by 2030

Sources: www.kefm.dk and www.energinet.dk

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RE challenges from a TSO perspective



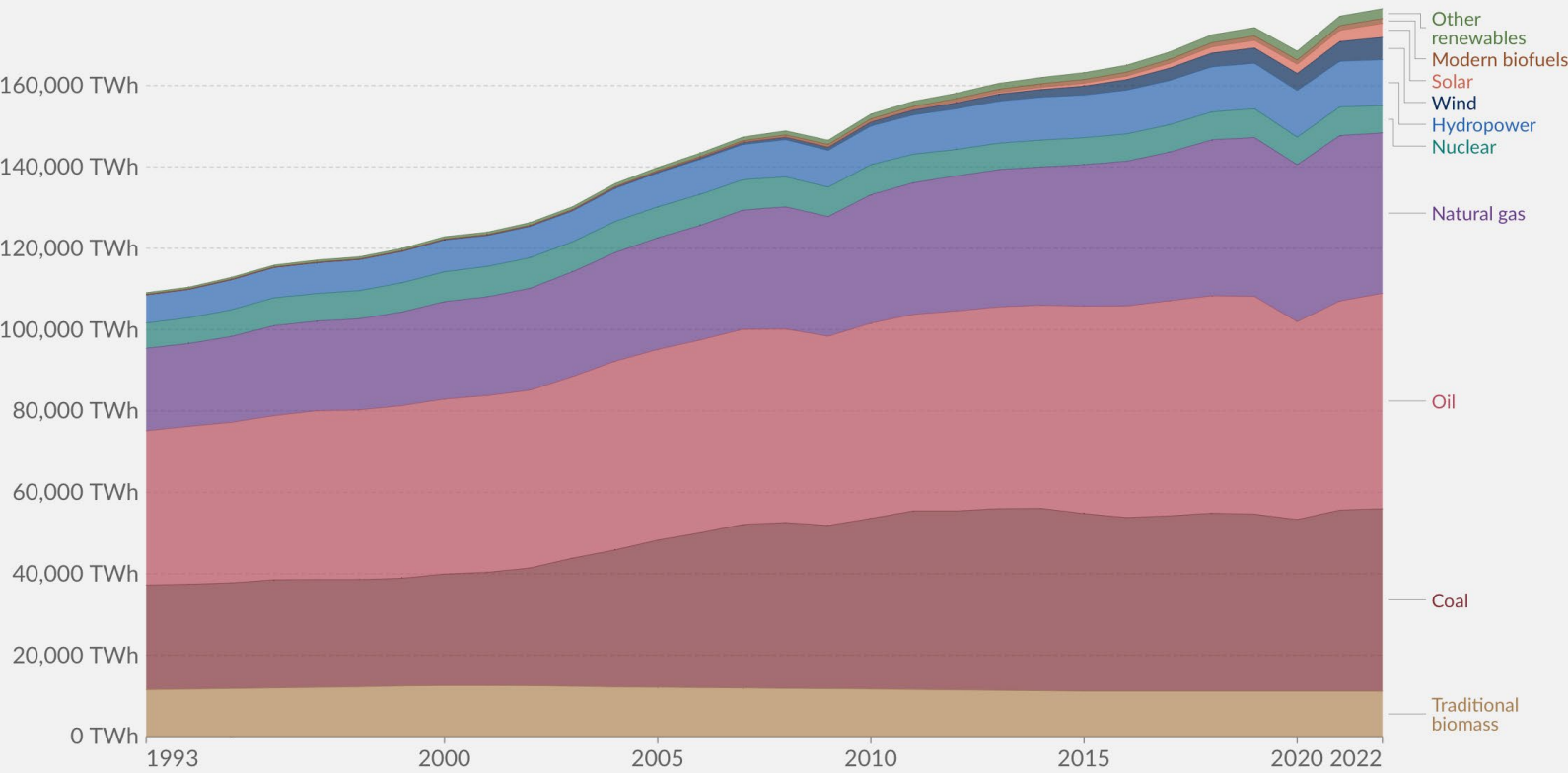
Source: www.energinet.dk

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Scale in a global perspective

Global primary energy consumption by source

Primary energy is calculated based on the 'substitution method' which takes account of the inefficiencies in fossil fuel production by converting non-fossil energy into the energy inputs required if they had the same conversion losses as fossil fuels.



Source: www.ourworldindata.org/grapher/global-energy-substitution



**Opportunity
suppression**



**Time
shifting**



**Place
shifting**



Scalability



Bankability