



Fueling The Energy Industry With Renewable Storage Solutions



// Reaching net zero requires the deployment of a portfolio of all renewable technologies, including those that can provide dispatchable low-carbon electricity. //

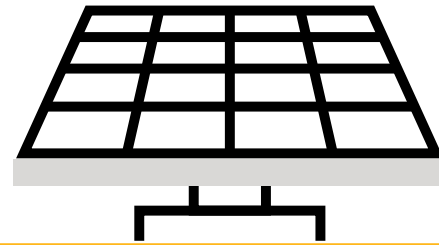
IEA Renewables 2021



Renewables took wind in 2021

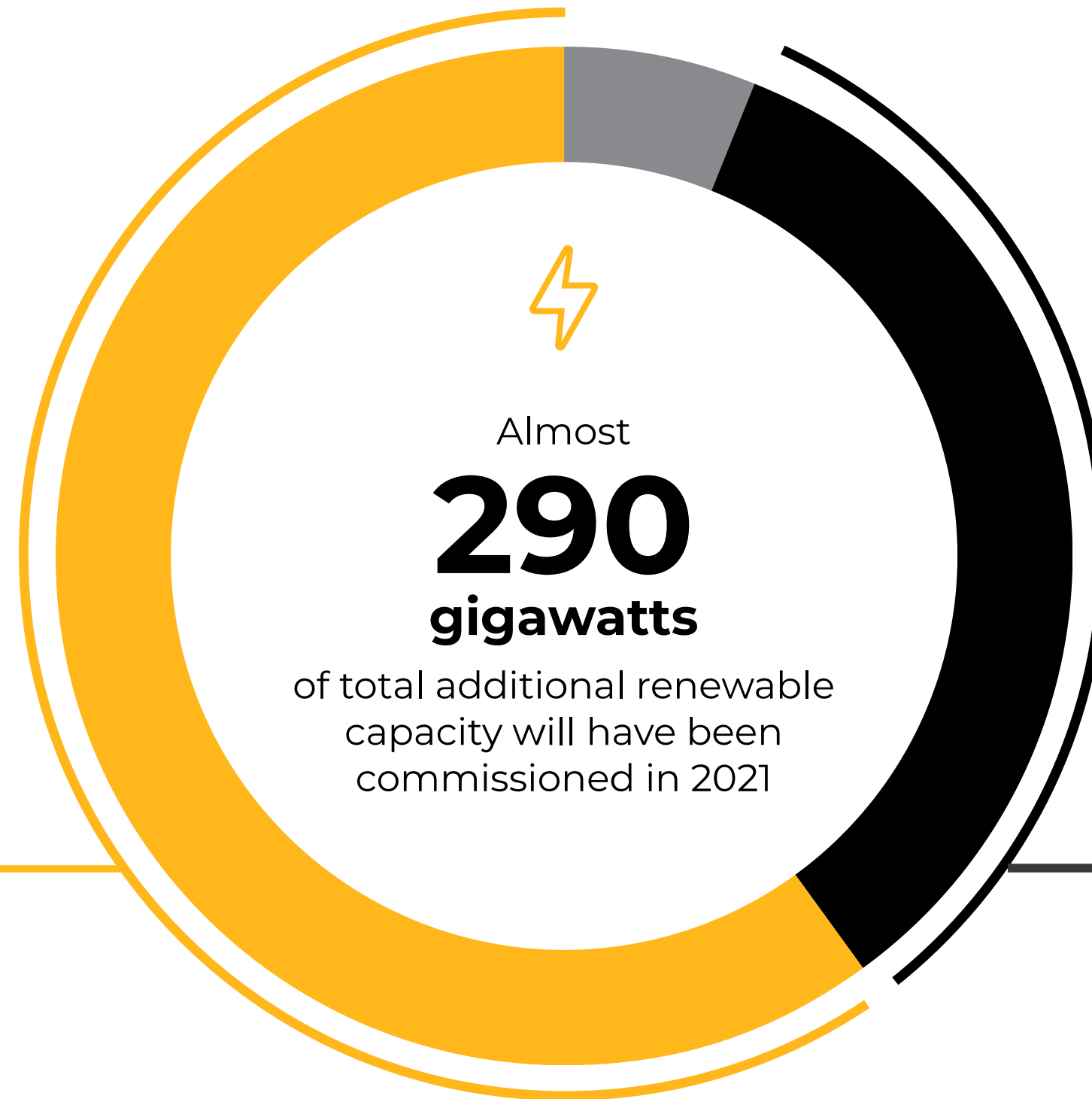
60%

SOLAR PV



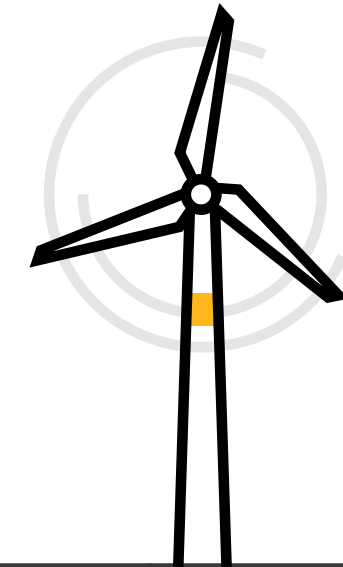
200% 

NEXT 5-YEAR
ANNUAL ADDITION



34%

WIND



125% 

NEXT 5-YEAR
ANNUAL ADDITION

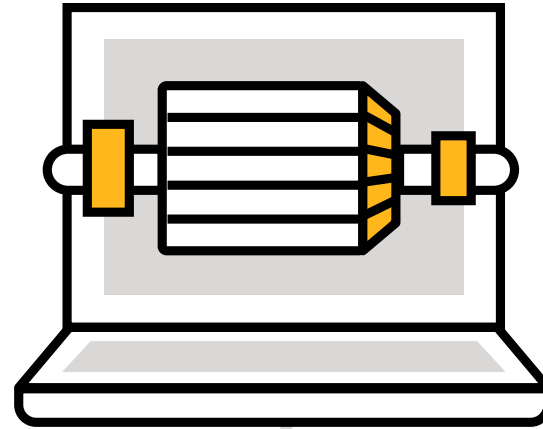


Simulation propels wind power forward

Simulation software increases productivity and performance

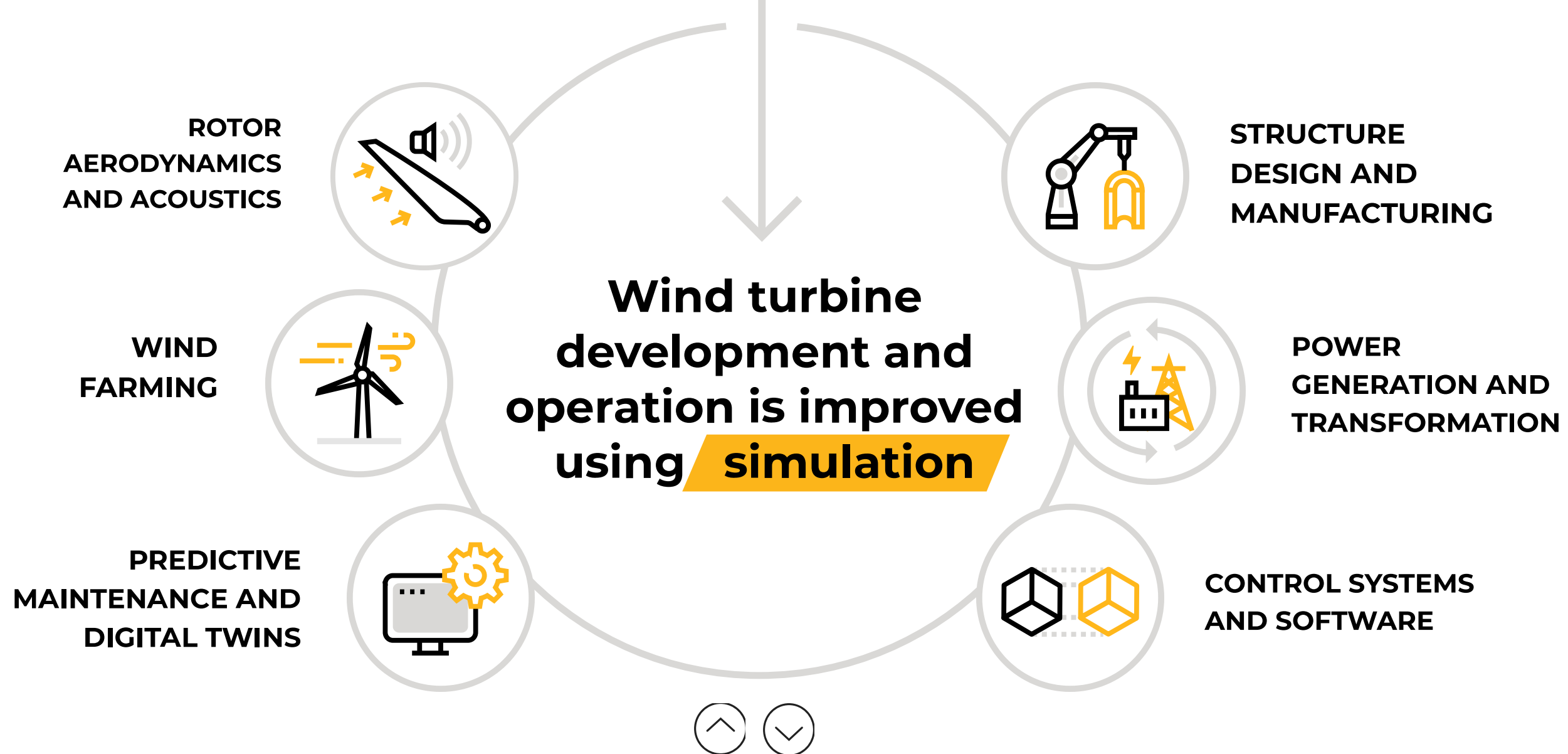
2x 

the power output of new wind turbine generator



5% 

wind farm energy production increase without any design change



Seasonal storage is having its moment in the sun

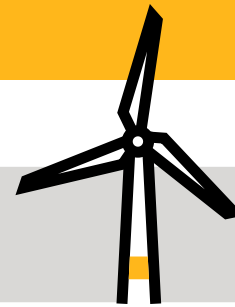
Seasonal storage captured massive investments from 2018-2020

SEASONAL STORAGE



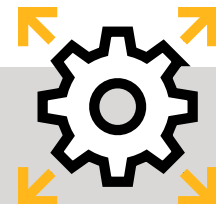
\$159 million

WIND FARMS



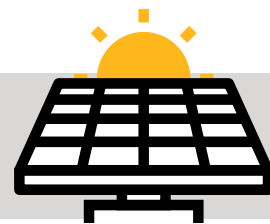
\$139 million

DECENTRALIZATION



\$119 million

SOLAR HEAT



\$98 million

BATTERY TECHNOLOGY



\$73 million

Storage capacity will increase

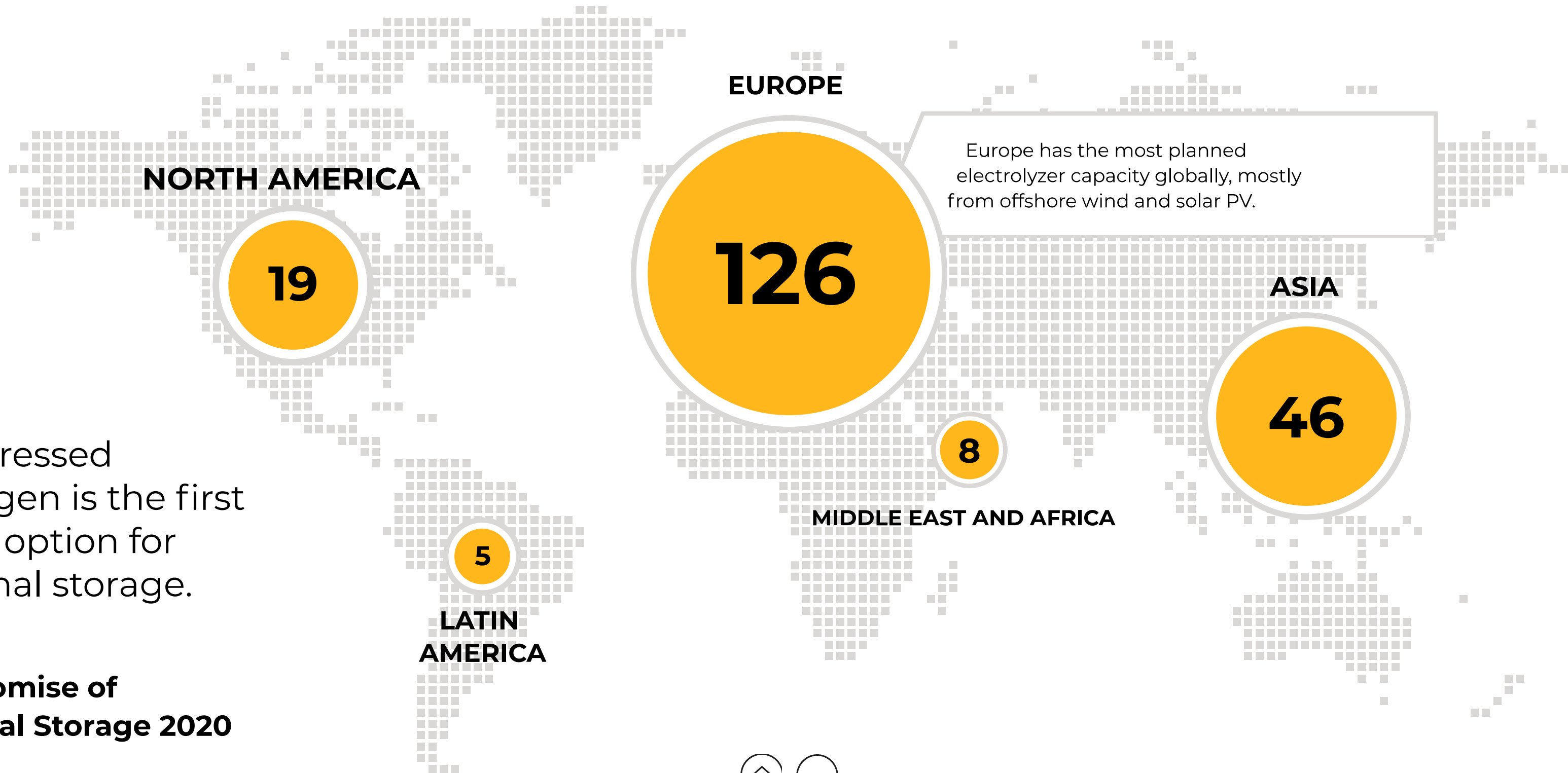
56% 

in the next five years
to over **270 GW**



Competition in the renewable storage landscape is heating up

Global hydrogen projects announced by region 2021



Compressed hydrogen is the first viable option for seasonal storage.



The Promise of Seasonal Storage 2020





228

hydrogen projects
announced as of 2021.

300 billion USD

is committed to hydrogen projects through 2030.



89%

of that investment is
for new projects just
announced or in the
planning stages.



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SAVE MY SPOT

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Source: Ansys, IEA renewables Report, Statista.com

