OCEAN CONNECT ENERGY

OFFSHORE WIND AND THE PACIFIC NORTHWEST

Northwest Offshore Wind Conference

January 30 – 31 2024

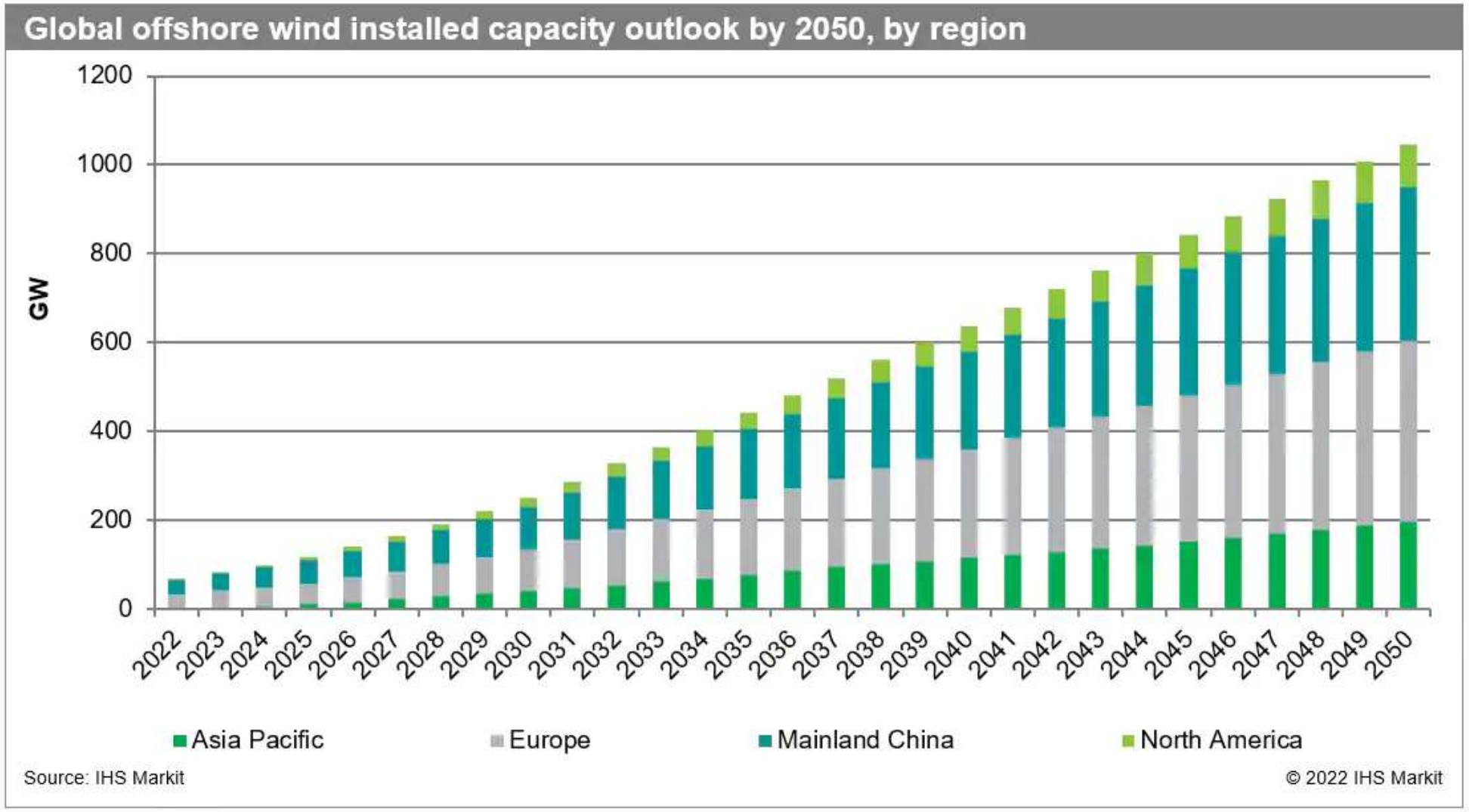
Portland, OR

February 5, 2014

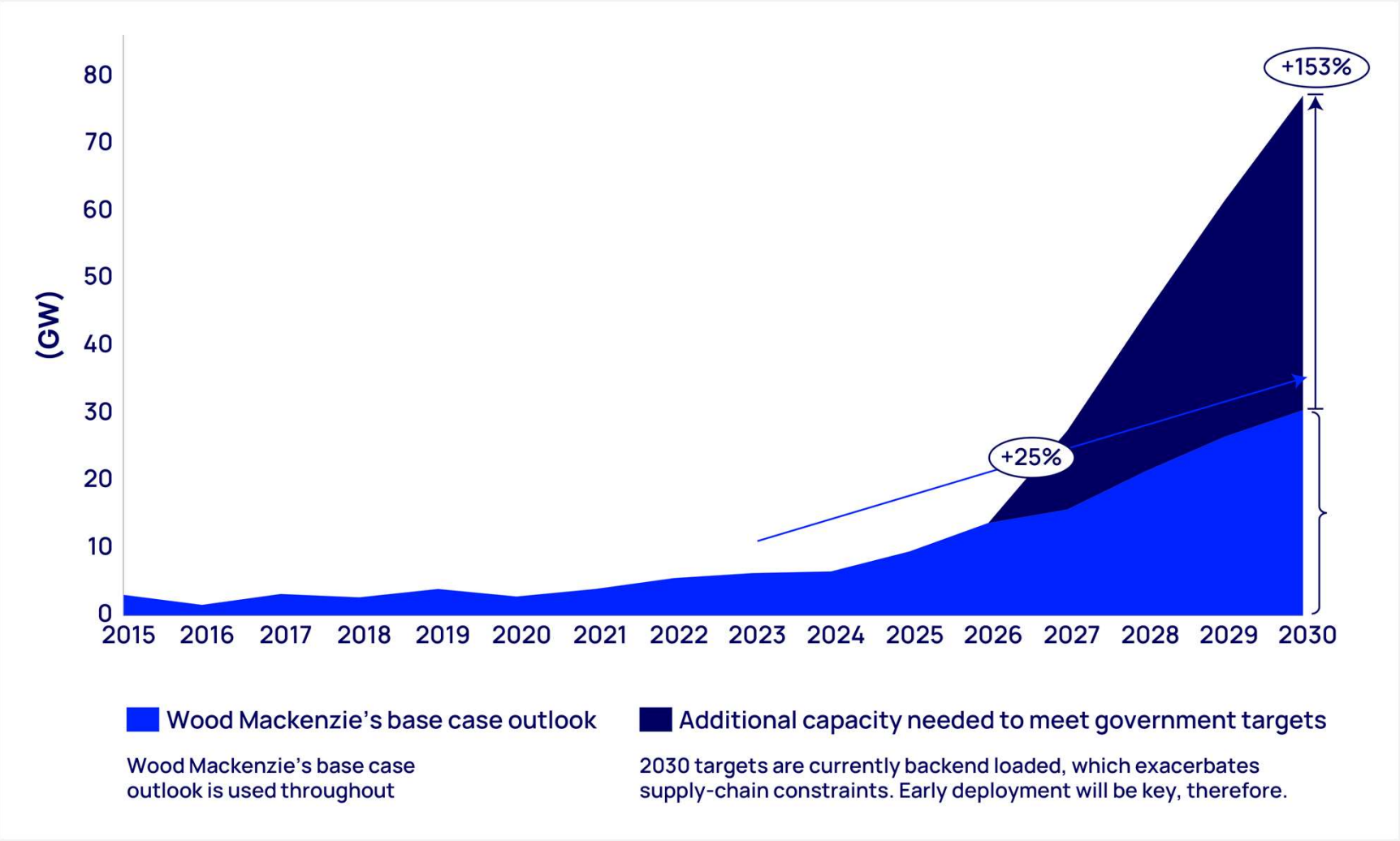
“Global heat is now gobsmackingly bananas.”

- Zeke Hausfather, PhD. UC Berkeley

Projected steady growth for decades



… which still falls far short of government targets

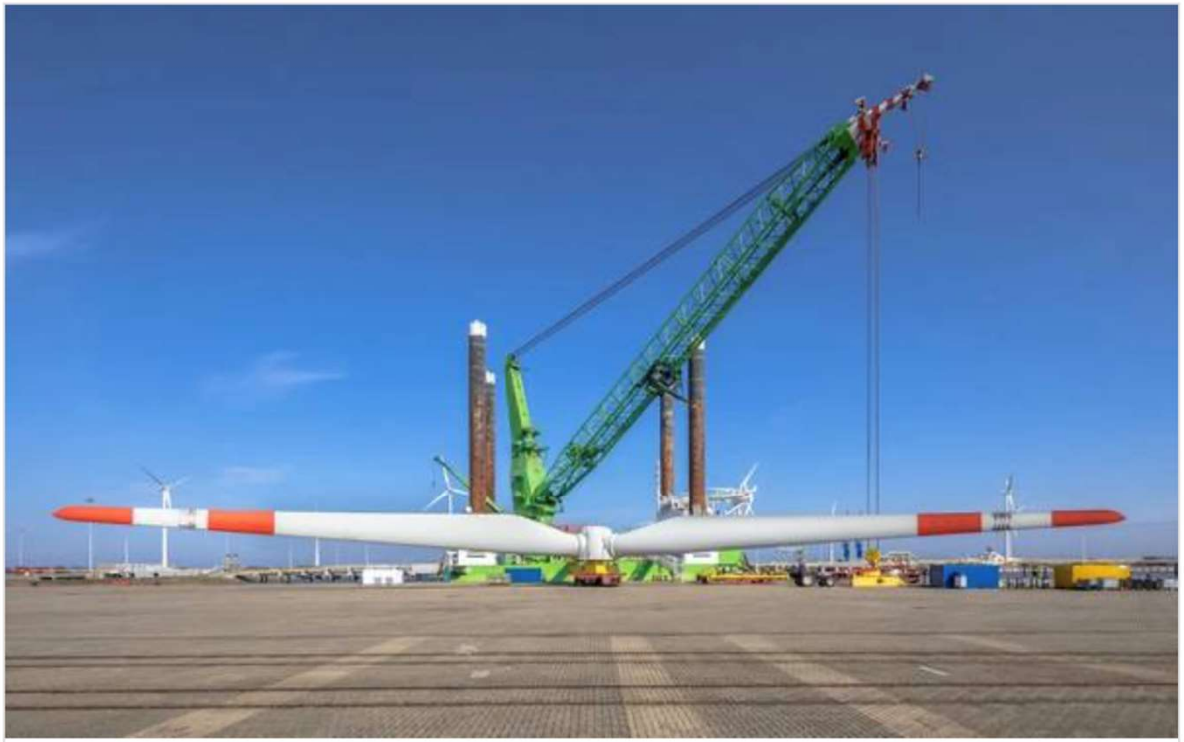


BIG STUFF

OE OFFSHORE ENGINEER
THE FUTURE OF OFFSHORE ENERGY & TECHNOLOGY.

Californian Port Gets $427M Boost for New Offshore Wind Infrastructure

Jan 25, 2024



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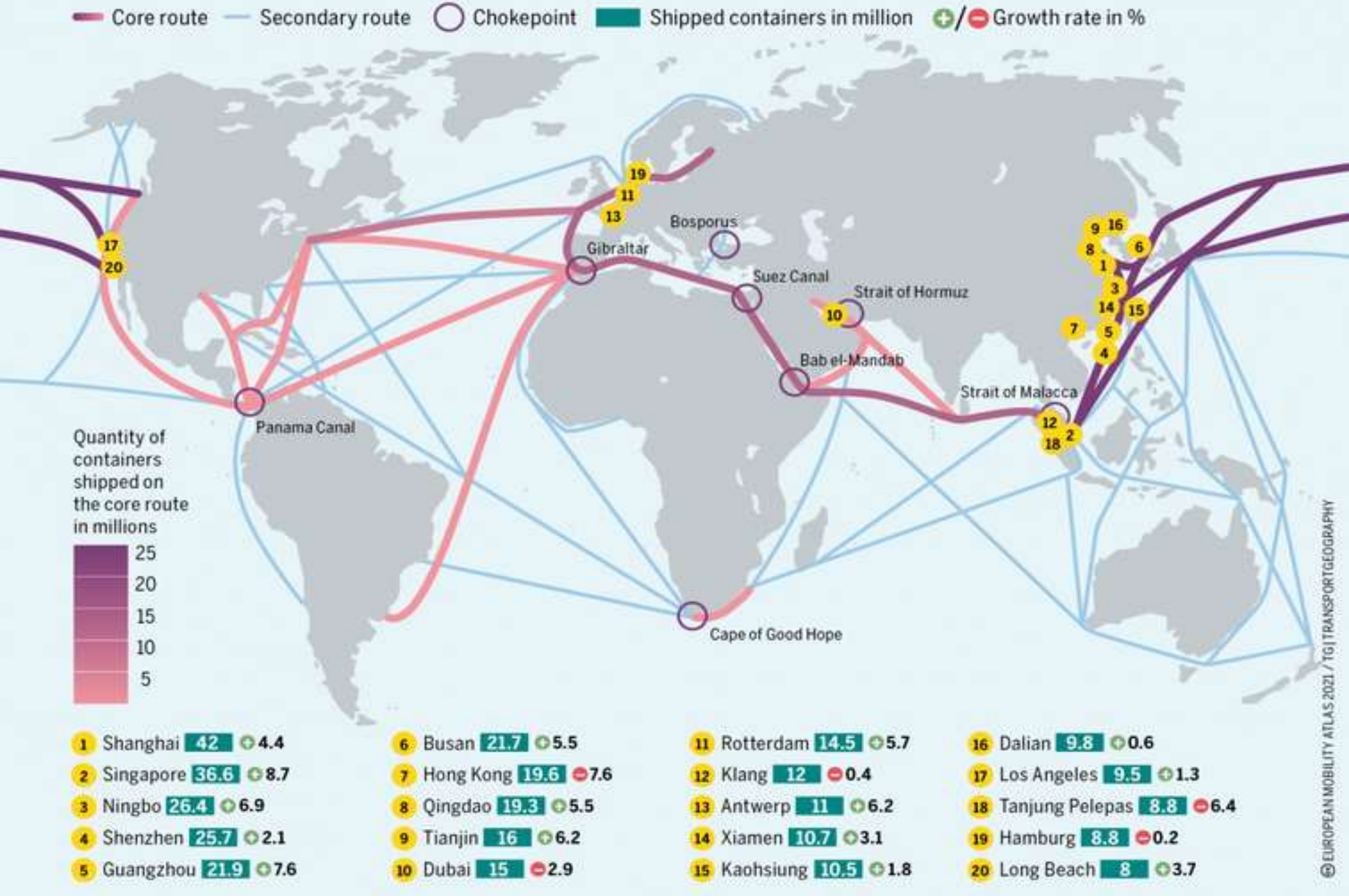
The U.S. government has awarded a major grant to the Humboldt Bay Harbor, Recreation, and Conservation District for the construction of a new marine terminal to be primarily used for floating offshore wind-related activities.

MARITIME SHIPPING ROUTES AND THEIR MAIN DESTINATIONS

Worldwide shipping routes and the biggest container ports in 2018



1 Shanghai	42	+4.4	6 Busan	21.7	+5.5	11 Rotterdam	14.5	+5.7	16 Dalian	9.8	+0.6
2 Singapore	36.6	+8.7	7 Hong Kong	19.6	-7.6	12 Klang	12	-0.4	17 Los Angeles	9.5	+1.3
3 Ningbo	26.4	+6.9	8 Qingdao	19.3	+5.5	13 Antwerp	11	+6.2	18 Tanjung Pelepas	8.8	-6.4
4 Shenzhen	25.7	+2.1	9 Tianjin	16	+6.2	14 Xiamen	10.7	+3.1	19 Hamburg	8.8	-0.2
5 Guangzhou	21.9	+7.6	10 Dubai	15	-2.9	15 Kaohsiung	10.5	+1.8	20 Long Beach	8	+3.7

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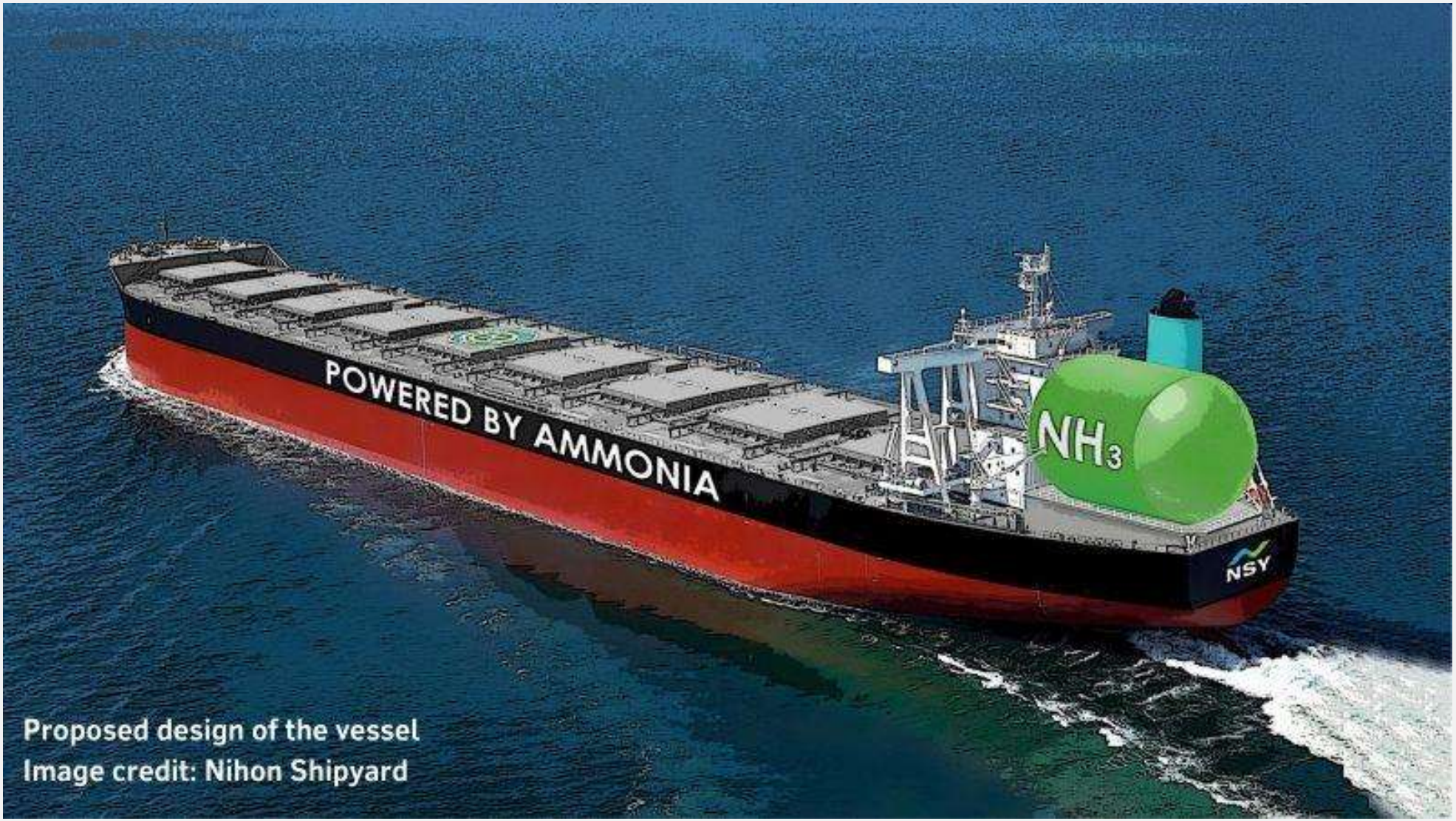
H2 derived fuels can move the maritime sector



Proposed design of the vessel
Image credit: Nihon Shipyard

Source: Principle Power

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THANK YOU

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