



*keeping <math><1.5^{\circ}\text{C}</math> alive
a central goal of COP26*



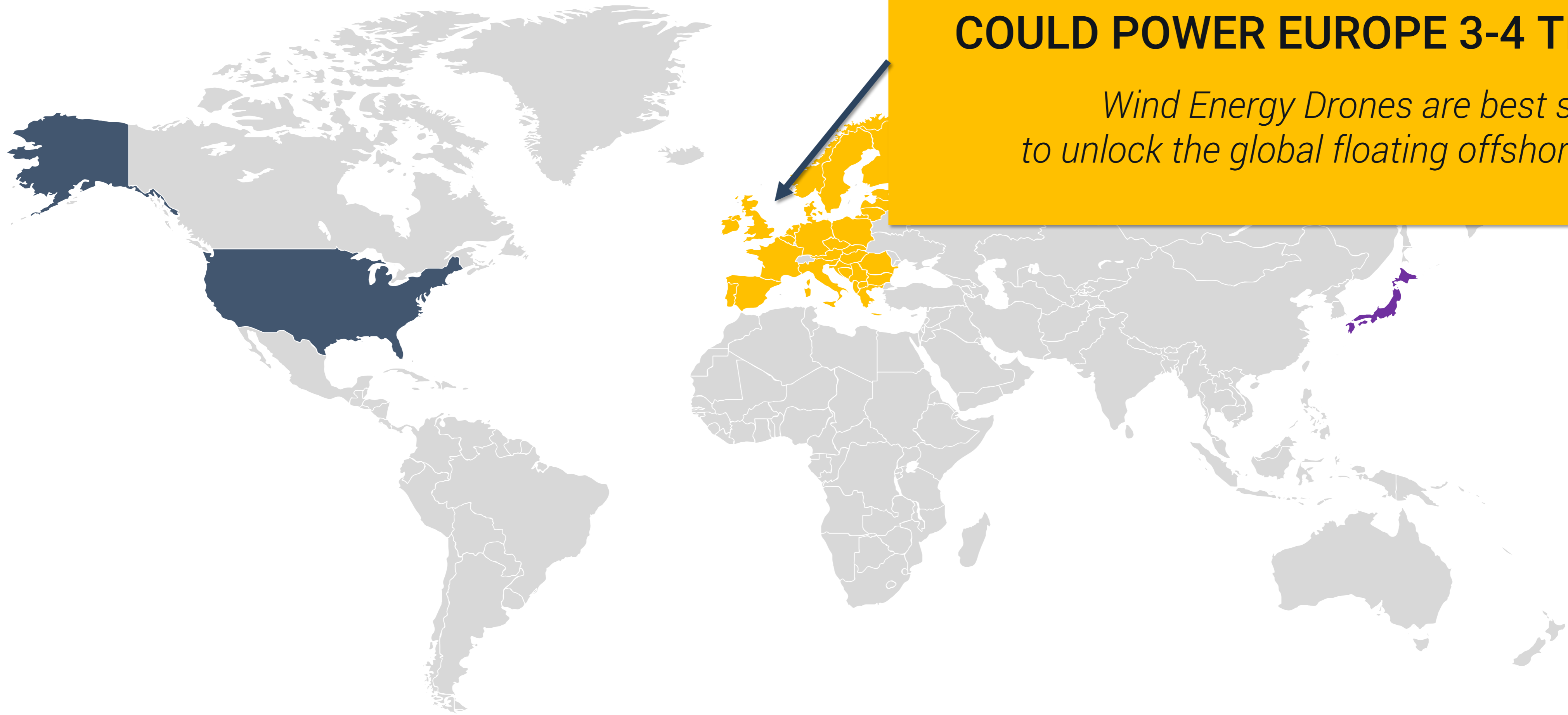
CLEANTECH CAPTIAL DAY

26th October 2022, Oslo

Dino Costa, Co-Founder

dino.costa@twingtec.ch, +41 79 567 90 45

*TWINGTEC'S WIND ENERGY DRONES
more wind energy for maximum climate protection*



FLOATING WIND ENERGY IN THE NORTH SEA COULD POWER EUROPE 3-4 TIMES OVER

*Wind Energy Drones are best suited
to unlock the global floating offshore potential*

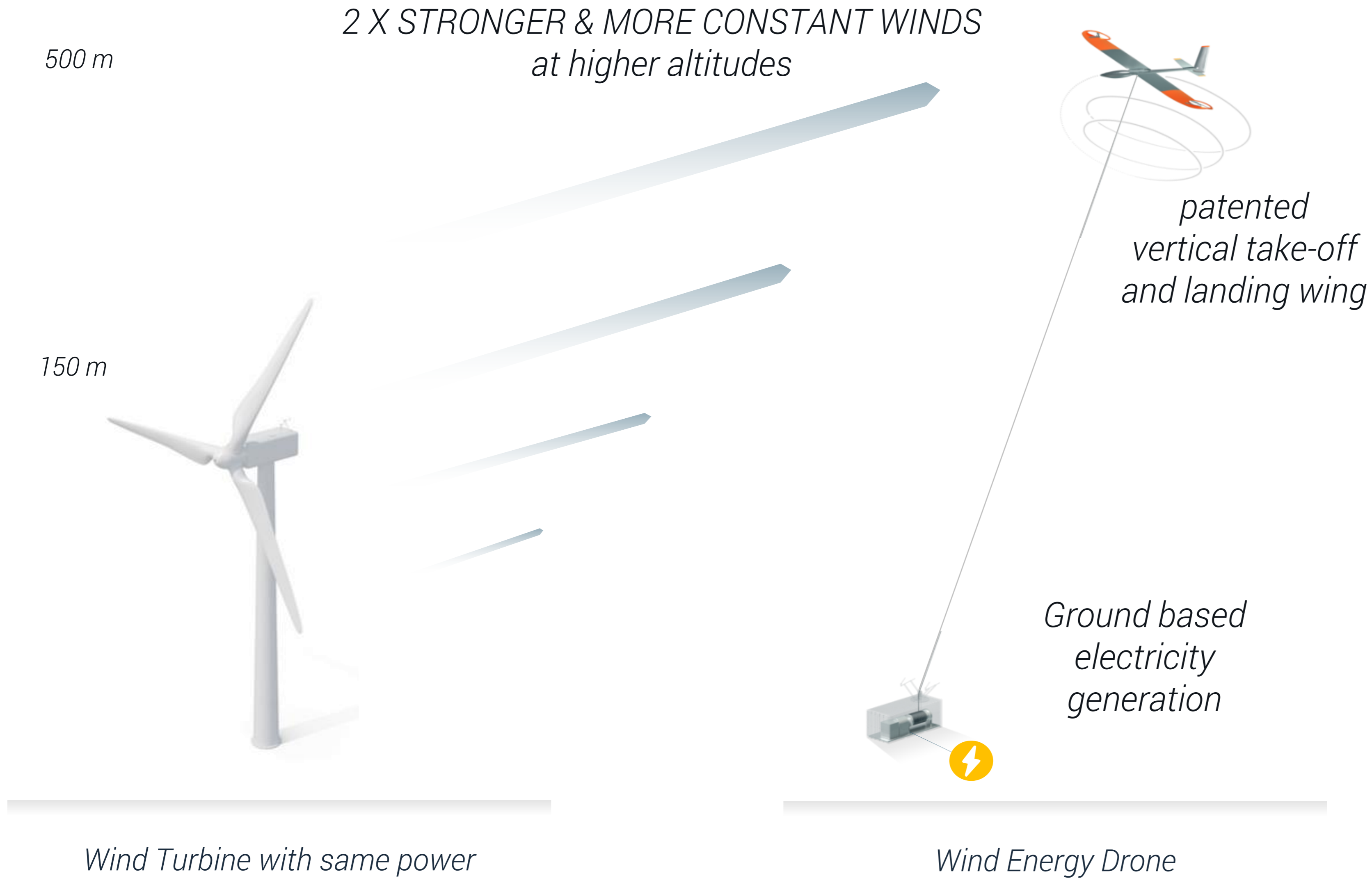
7'000+ GW potential of offshore wind in the US, Europe and Japan = 7000+ nuclear power plants

Sources:

- Carbon Trust & Scottish government: *Floating Offshore Wind: Market and Technology prepared for the Scottish Government June 2015.*

- RWE (E.ON) study from Kester Gunn *"Investigating Offshore Markets for AWE Technologies"* reveals clear potential for lower electricity prices for floating wind energy drones as compared to floating conventional wind turbines, even at smaller sizes.

MORE WIND ENERGY WITH LESS RESOURCES



✓
**NEW LOCATIONS
FOR WIND ENERGY**

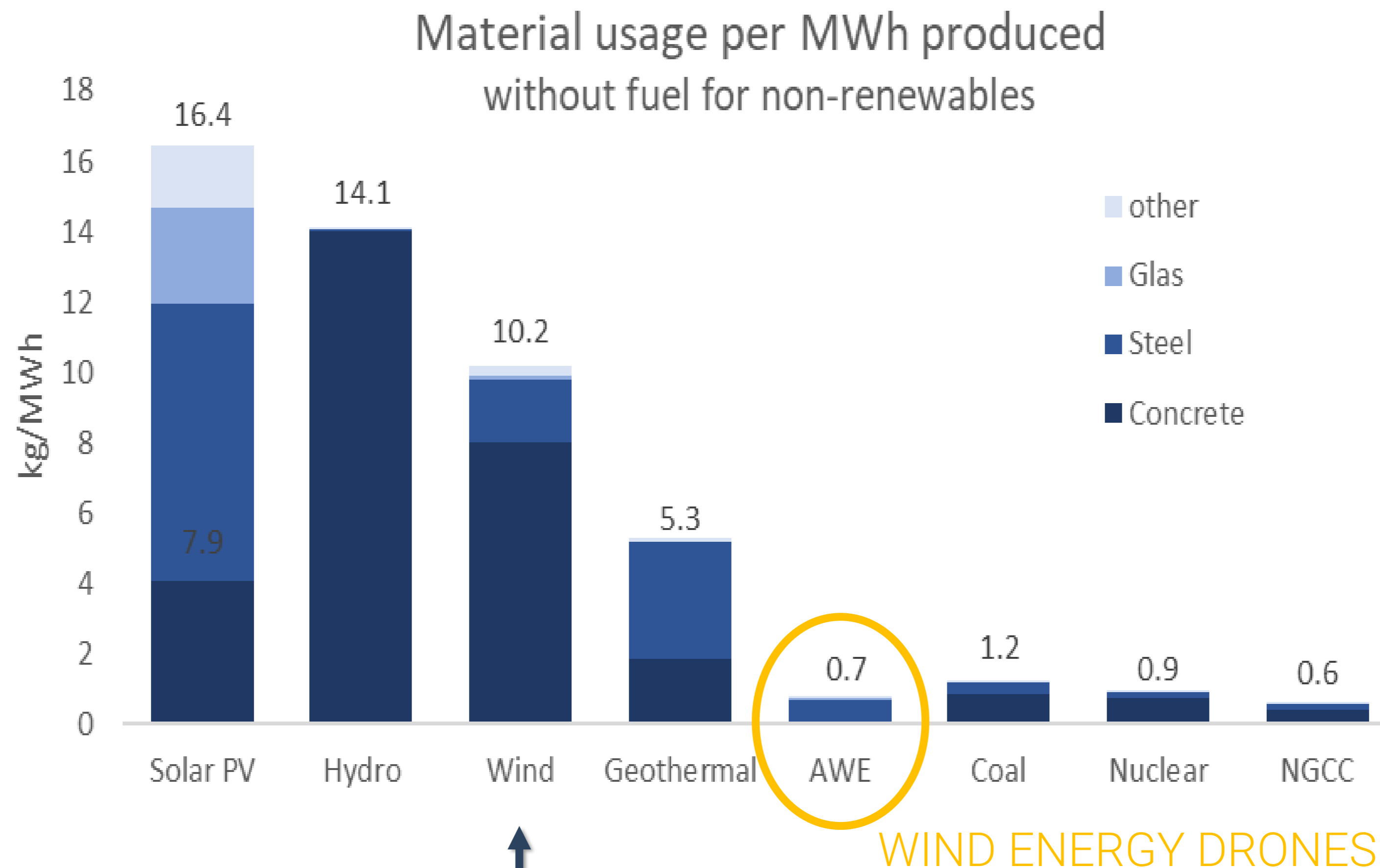
✓
**LOW COST OF
ELECTRICITY**

✓
**90% MATERIAL
REDUCTION**

✓
**MINIMAL VISUAL &
ENVIRONMENTAL
IMPACT**

✓
**MORE ENERGY
PER LAND AREA**

LOWEST CARBON FOOTPRINT AND MATERIAL USE



Wind turbine industry under severe pressure due to high material and logistic costs!

NEW WIND ENERGY MARKETS WITH 5+ GT ADDITIONAL CO₂ REDUCTION / YEAR

MOBILE WIND ENERGY



Replacing diesel or grid power usage
in decentral on- and off-grid market

EUR 70 B/year

HYBRID SYSTEMS



Doubling the output of PV & wind turbine
farms in utility onshore market

EUR 90 B/year

FLOATING WIND ENERGY



Almost "unlimited" wind energy in depths > 50m
in utility offshore market

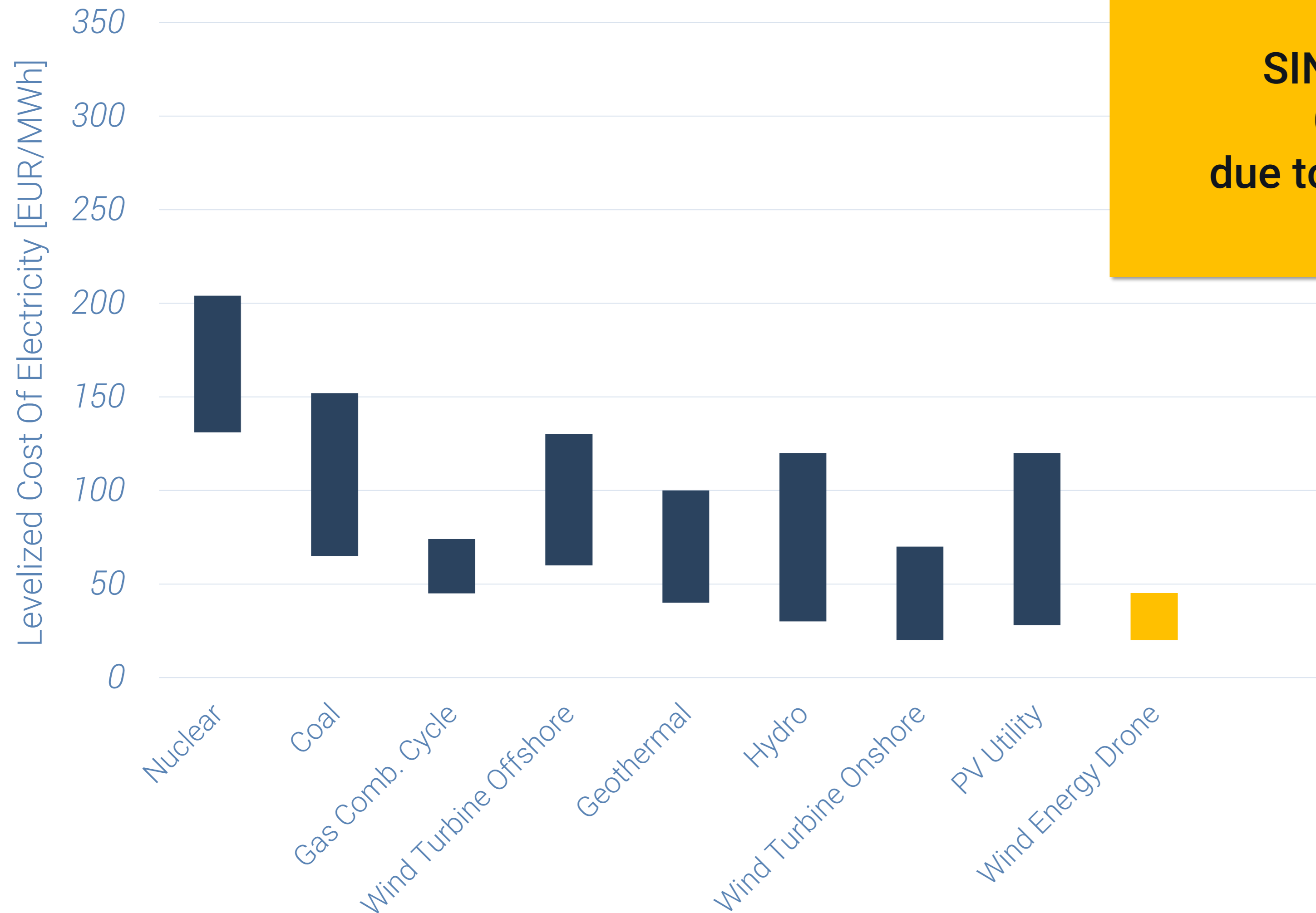
> EUR 200 B/year

TOTAL ADDRESSABLE MARKET¹: > EUR 360 B/year

¹ the market numbers account for the entire airborne wind energy sector; only considering market volumes complementary to wind turbines, potential replacement volumes are not considered here, servable obtainable market is EUR 8 B/year in first 10 years

LOWEST COST OF ELECTRICITY

UTILITY MARKET DATA FROM 2021



SINCE 2021 WIND ENERGY DRONES GOT EVEN MORE ATTRACTIVE due to recent increase in electricity costs!

The numbers come from sources below and are valid for projects commissioned in 2021:

- Lazard, Levelized Cost of Energy Analysis V15, Oct. 2021 - Cost for utility scale based on TwingTec's 3MW product for utility on- & offshore, preliminary internal analysis, 2020 - IRENA Renewable Power Costs 2021 - www.statista.com 2022

CUSTOMERS IDENTIFIED HIGH OFFTAKE NUMBERS



CUSTOMER

World leading supplier for rental power, Runs 10 GW of fossil-fueled generators in off-grid market¹

Global utility which pioneers renewables, they identified large potential for our products in decentralized on grid markets up to offshore installations

ACHIEVED

Strategic client partnership Agreement closed

Promising business case analysis for the decentralized & utility on-grid power markets in Europe

PLANNED

Joint market introduction to replace diesel, identified high off-take potential of our products²

Joint market introduction in the decentralized power markets in Europe

MARKET INTRODUCTION IN 2 YEARS WITH STRATEGIC PLAYERS

¹ That is the equivalent power of 10 nuclear power plants ² More information post NDA



FAST ENTRANCE TO VAST FLOATING OFFSHORE MARKETS

Norwegian offshore and hydraulic pump specialist

Invested in TwingTec

Executes and funds the development of

- leading-edge ground station &*
- floating platforms for the Wind Energy Drone*

Complementary Player
in airborne wind to be
announced post-NDA

SHORTENING TIME TO PRODUCT

Building up close cooperation to speed up commercialization

Leverage the best expertise, IP, strategic partners and customers.



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation


Innosuisse – Swiss Innovation Agency
Swiss Federal Office of Energy SFOE

LEVERAGING SWISS AVIATION & DRONE KNOW-HOW

ACHIEVEMENTS

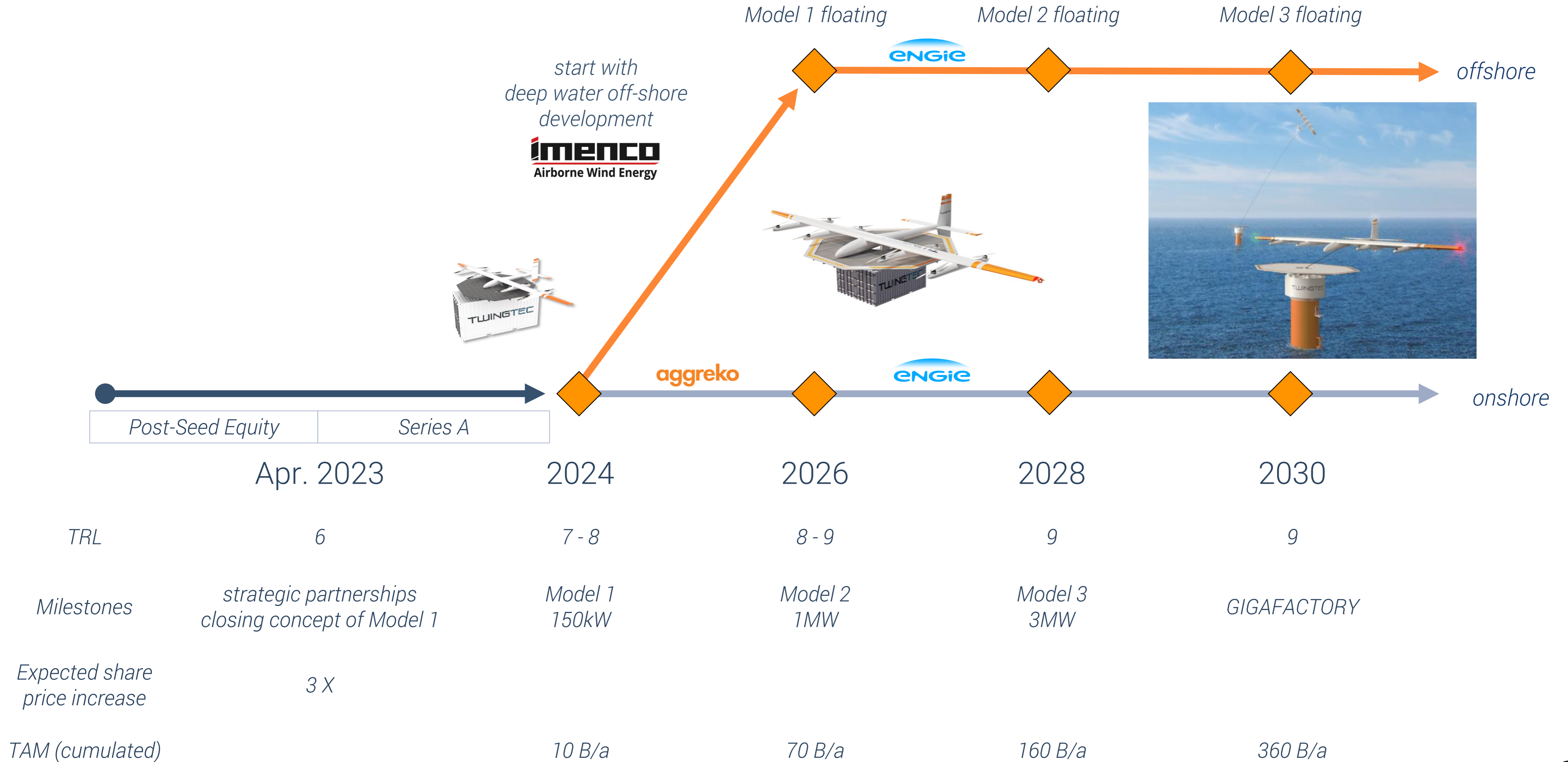
- ✓ *More than CHF 5M equity raised & CHF 5 M grants*
- ✓ *Blocking Patent on VTOL¹ granted in EU, US, CAN, AU, CN*
- ✓ *Proof of concept with automated power production*
- ✓ *Product market fit with industrial customers achieved*
- ✓ *Development partners & team ready for commercialization*
- ✓ *New funding round started:
existing & new investors interested to join*




 Schweizerische Eidgenossenschaft
 Confédération suisse
 Confederazione Svizzera
 Confederaziun svizra
 Swiss Confederation
Innosuisse – Swiss Innovation Agency



ROADMAP TO MULTI-BILLION ON- AND OFFSHORE MARKETS



Disclaimer: Preliminary forecast based on today's progress and understanding. Nothing contained herein shall constitute any representation or warranty as to future performance.

ROLF LUCHSINGER
COO a.i., CO-FOUNDER, BOARD MEMBER
 Former head of R&D center
 Light-weight structure
 expert Innovation



GEORGE HANNA
CEO, BOARD MEMBER
 Co-founder & former Co-MD Qinous GmbH¹,
 Management positions in business development,
 sales & strategic projects @ Bosch & Q-Cells



COREY HOULE
CTO, CO-FOUNDER, SECRETARY TO THE BOARD
 Mechanical engineer, inventor with experience in
 project management and grant funding



FLAVIO GOHL
CHIEF ENGINEER & CO-FOUNDER
 Innovative creator with engineering
 background in robotics and aerospace



DINO COSTA
CHIEF OPERATIONS & CO-FOUNDER
 Entrepreneur, inventor, engineer with
 excellent testing and drone background



CEDRIC GALLIOT
CHIEF PRODUCTION & CO-FOUNDER
 Mechanical engineer with strong background
 in composite materials and light-weight structures



FLORIAN BEZARD
PRODUCT AND TESTING ENGINEER
 Mechanical Engineer from Empa. Expert in
 rapid prototyping of light-weight structures



VISIONARY YET HANDS-ON TEAM
 PIONEERING TRACK RECORD READY FOR COMMERCIALIZATION

¹ Now part of Rolls Royce

² All company logos represent previous employers of the team members

BOARD OF DIRECTORS



REYAD FEZZANI

*CHAIRMAN (INDEPENDENT)
Former CEO BP Global Wind & Solar
Chairman Tata-BP Solar*

*Active in carbon capture, decentralized power,
wind & PV project development, start-ups,*



MARIE-PIERRE DHERS

*INDEPENDENT BOARD MEMBER
Founder & CEO MP&Partnairs, advisory firm for
aerospace, transport & Energy*

20 years senior management @ Air France-KLM,



MARC GANNE-CHÉDEVILLE

*INDEPENDENT BOARD MEMBER
Entrepreneur & business founder, aviation expert
Former GM RUAG Aerostructures, 300 employees &
Leader maint. engines SR Technics*

Leader maint. engines SR Technics



TOMMASO GHIDINI

*INDEPENDENT BOARD MEMBER
Head of structures, mechanisms & materials
division at ESA,*

Previously @ Airbus, DLR



MARCO ARCELLI

*ADVISOR TO THE BOARD / OBSERVER
Former CEO Enel North America,
Chairman EP New Energy Italy*

Utility & renewables expertise



Company logos represent current and previous employers of the board members

GLOBAL PROFESSIONALS STEERING TWINGTEC'S GROWTH



*keeping <1.5°C alive
a central goal of COP26*

JOIN US ON THE JOURNEY FOR ZERO CO₂ EMISSIONS

TO FLY IN ONE OF THE MOST DISRUPTIVE GREEN ENERGY MARKETS

TwingTec AG, c/o EMPA, Überlandstr. 129, CH-8600 Dübendorf, Switzerland
Dino Costa, dino.costa@twingtec.ch +41 79 567 9045

DISCLAIMER

The content of this presentation has not been approved by an authorised person within the meaning of the Financial Services and Markets Act 2000 (FSMA). Reliance on this Presentation for the purpose of engaging in any investment activity may expose an individual to a significant risk of losing all of the property or other assets invested.

The information and opinions in this presentation were prepared by TwingTec AG ("TwingTec"). This presentation is provided for information purposes only. It is not an offer or solicitation to enter into any agreement or contract with TwingTec. Whilst all reasonable care has been taken to ensure that the facts stated herein are accurate and that the opinions and expectations contained herein are fair and reasonable, TwingTec makes no representation or warranty, express or implied, with respect to the fairness, correctness, accuracy reasonableness or completeness of the information and opinions herein but has obtained the information from sources believed to be reliable. Analyses contained herein are based on assumptions that if altered can change the conclusions reached herein. TwingTec has no obligation to update, modify or amend this publication or to otherwise notify a reader in the event that any matter stated herein, or any opinion, projection, forecast or estimate set forth herein, changes or subsequently becomes inaccurate. We strongly suggest that you seek your own independent advice in relation to any legal, tax, accounting and regulatory issues relating to the merits or otherwise of the products and services discussed. Financial instruments that may be discussed herein may not be suitable for all investors and any investors must make any investment decision using their own independent advisors as they believe necessary and based upon their specific financial situation and investment objectives. If a financial instrument is denominated in a currency other than an investor's currency, a change in exchange rates may adversely affect the price or value of, or the income derived from, the financial instrument, and any investor in that financial instrument effectively assumes currency risk. Prices and availability of any financial instruments described in this presentation are subject to change without notice. Nothing contained herein shall constitute any representation or warranty as to future performance of any financial instrument, credit, currency, rate or other market or economic measure as past performance is not necessarily indicative of future results. Any offering that may be related to the subject matter of this presentation will be made by a separate circular or memorandum and the information contained herein will be superseded in its entirety by such circular or memorandum in final form. This presentation is confidential and is provided on the basis that recipients keep confidential any information contained within it. This presentation must not be copied, reproduced, distributed or passed to others (in whole or in part) at any time without the prior written consent of TwingTec. TwingTec retains the right to request the return of this presentation at any time. By accepting and retaining this presentation you agree to be bound by the terms of and restrictions contained in this Notice. This presentation should not be distributed directly or indirectly to any persons with addresses in any country where such distribution may lead to a breach of any legal or regulatory requirement. The recipient must observe any applicable legal requirements in their jurisdiction.