

### Vestas is the energy industry's global partner on sustainable energy solutions



+25,000

We employ more than 25,000 people worldwide and have 40 years of experience with wind energy



+48,000

We have a total of 48,515 combined turbines under service, or more than 108 GW



+ 74,000

We have a total of 74,554 turbines or more than 122 GW of installed wind power capacity in 82 countries worldwide spanning five continents

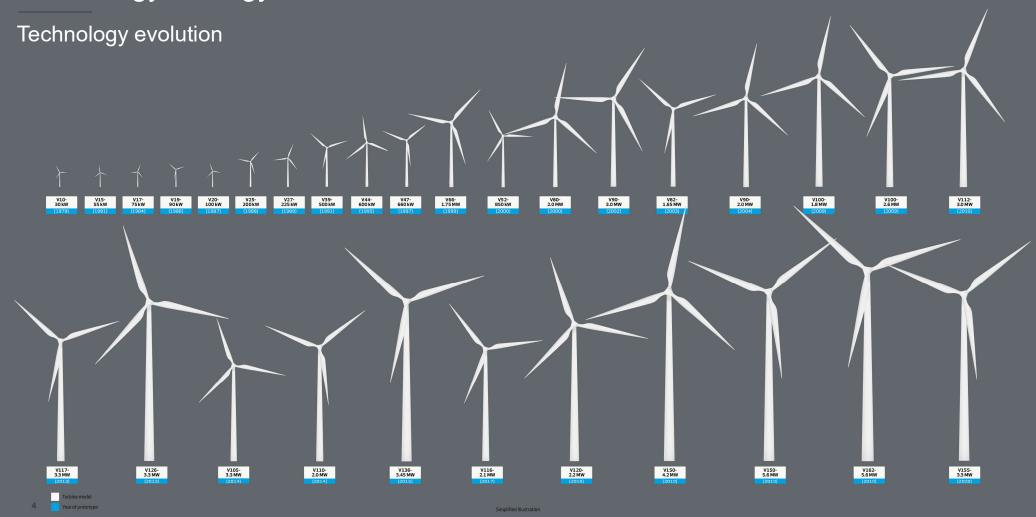


€ 12.1bn

Vestas' revenue in 2019 was EUR 12.1bn



# Technology strategy and solutions



#### Vestas' value chain

World leading wind energy solutions with a comprehensive range of capabilities





Vestas has a strong focus on continuously developing and optimising to lower the cost of energy thereby meeting customer needs and remaining the technology leader in the wind power industry

5



Project planning & design

Ensuring high quality project planning and design helps us to maximise total return on investment from project start up.



Procurement & manufacturing

Vestas' versatile and agile procurement and manufacturing concept provides competitive advantage.



# Construction & installation

Vestas possesses construction and installation expertise to coordinate cooperative efforts or assumes full responsibility for wind power plant construction and commissioning.



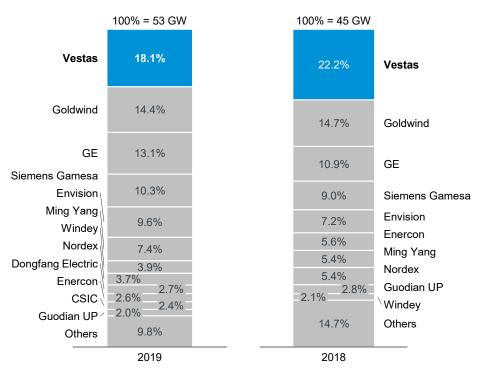
Operation & maintenance

Vestas provides preventative and corrective service and maintenance for consistently optimised performance.



#### Market shares

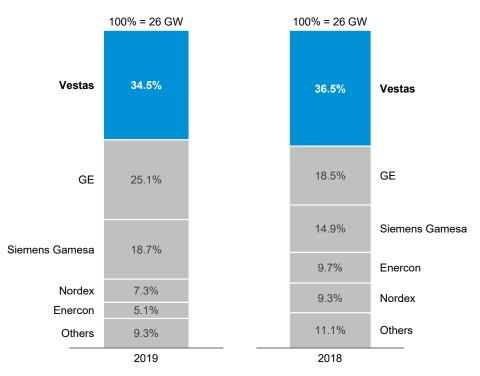
#### Sustaining our global leadership position





Source: Bloomberg New Energy Finance

6



Global onshore installations
Excluding China



### Global manufacturing footprint

A flexible setup with supply from Vestas' own factories and Vestas' subcontractors

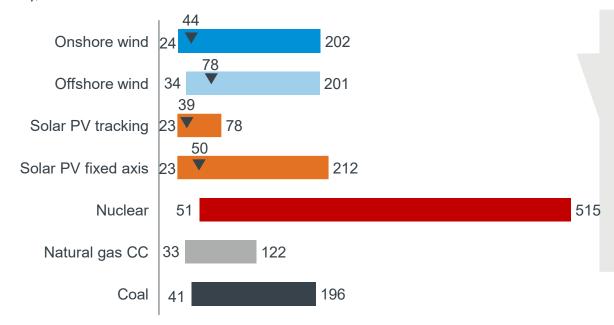


Vestas.

#### Renewables outperform Fossils

Onshore wind remains among the most cost-efficient renewable energy sources

### Global LCOE ranges – H1 2020 update \$/MWh



Renewables have started – on global average – to outperform fossil-fuel based electricity on costs. Since 2009, the global average LCOE of onshore wind declined by -60% to 44 USD/MWh today. Over the same period, the global average LCOE of solar PV fixed axis declined by -86% to 50 USD/MWh today. With a global average LCOE of 39 USD/MWh, solar PV tracking systems are today the most cost-efficient renewable energy source. Offshore wind has started to close in and stands today at 78 USD/MWh on global average.

Source: Based on data from BNEF, H1 2020 LCOE Update - Global, 05/2020, aggregated by Vestas Wind Systems A/S



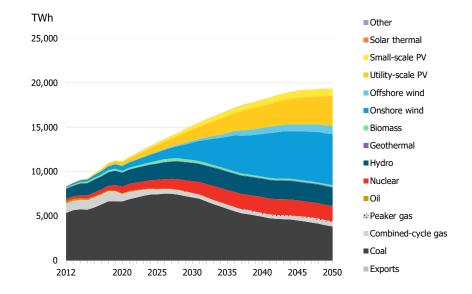


# What is ASP? | A market with promising renewable future

#### Power demand growth 2020-2040

# N.America Europe 16% ~11,000TWh Asia Pacific

#### Asia Pacific Generation Mix 2012-2050 (TWh)



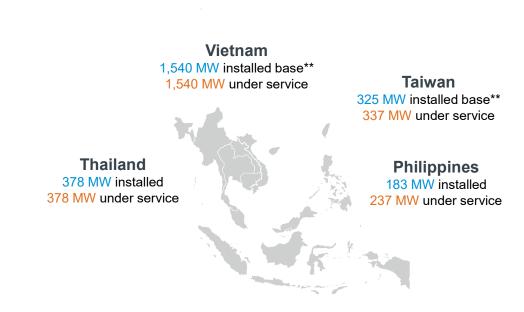
Source: Bloomberg New Energy Finance



#### Vestas in South East Asia

#### Key facts and numbers

- 8 markets under coverage, a diverse region
- 2.4 GW total Vestas installed base\*\*
- 2.5 GW under service\*
  - 66 MW multibrand fleet under service
- 800+ employees



Data as of 31<sup>st</sup> Dec 2020 Source: Vestas database

Vestas.

<sup>\*</sup> Under service means under service agreement equals or is higher than AOM2000

<sup>\*</sup> Installed or under construction



### Vestas Vietnam key facts and numbers



- 281 MW total Vestas installed base
- 1259 MW under construction
- 1,540 MW under service\*
- 210+ employees in Vestas Vietnam
- 1.4 GW signed from Q1 2020 to Q1 2021 under current FiT
- Current FiT: Commercial Ops by 1st Nov 2021
- New FiT in 2021-2022



Vestas HCMC Office

<sup>\*</sup> Under service means under service agreement equals or is higher than AOM2000 Data as of 30<sup>th</sup> June 2021 Source: Vestas database

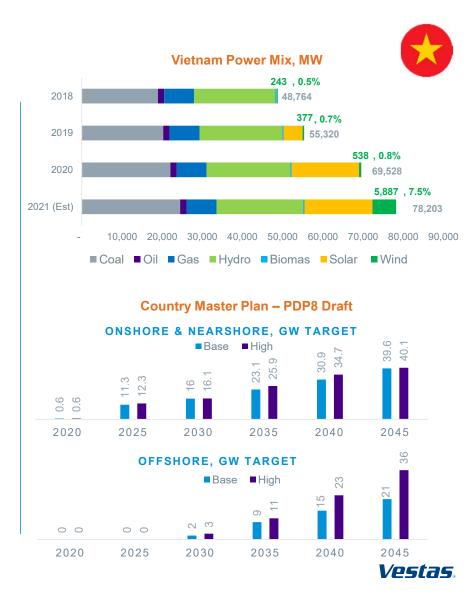
### Vestas Vietnam key facts and numbers

#### **Key Market Features:**

- Expected electricity growth 6-8% per annum until 2045
- PDP7: 11.6 GW onshore wind
- PDP8 to be released in 2021 (~16 GW by 2030)
- Monopoly off-taker: EVN, State-Owned Enterprise

#### **Key Challenges:**

- PPA bankability issue: difficult to attract international financing & investors
- Credit risk EVN (BB Fitch rating affirmed in Sep 2020 stable outlook)
- Lack of experience from local customers
- Mainly rely on local financing
- · Grid connection bottleneck, curtailments
- Risk of stricter grid code



# Vestas Philippines key facts and numbers



- 183 MW total Vestas installed base
- 237 MW under service\*
  - 54 MW Multibrand fleet under Service
- 500+ employees in Vestas Philippines (Shared Services Centre)
- FiT for 250+150 MW expired (RE Act 2008)



<sup>\*</sup> Under service means under service agreement equals or is higher than AOM2000 Data as of 30th June 2021 Source: Vestas database

# Vestas Taiwan key facts and numbers



Points to site locations

- 325 MW total Vestas installed base
- 337 MW under service\*
  - 12MW Multibrand fleet under Service
- 50+ employees in Vestas Taiwan
- Existing FiT for Wind projects
- Big development in Offshore (1.5 GW per year)
- Plans for localization

<sup>\*</sup> Under service means under service agreement equals or is higher than AOM2000 Data as of 30th June 2021 Source: Vestas database









#### China

# In climate pledge, Xi says China will not build new coal-fired power projects abroad

#### Energy

Renewables to make up at least 48% of Indonesia's 2021-2030 electricity plan

