



**Wind.** It means the world to us.™



# Welcome to Vestas

ICEWIND Final Workshop December 3rd 2014

IceWind

**Wind.** It means the world to us.™

## Our vision

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# Bringing wind on par with oil and gas

Our aspiration, stated through our vision, is a society where at least 20% of the global electricity supply is provided by wind.

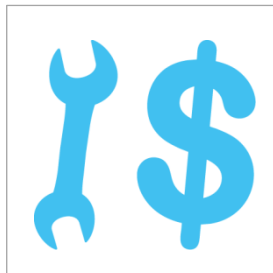
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### Wind is...

Reducing green  
house gas emissions  
and **climate change**



On par with  
**oil and gas**



Building  
**energy  
security**



**Reducing  
dependence**  
on fossil fuels



# Vestas in **brief**

**17,000**

We employ around 17,000 people worldwide from 85 nationalities and have more than 30 years of experience with wind energy

**26,000**

We monitor almost 26,000 turbines, or 45000 MW, day and night and the data is used for efficient service planning and pre-emptive maintenance

**50,000**

We have installed close to 50,000 turbines in 73 countries worldwide spanning six continents

**€ 7.2b**

Vestas revenue at the end of 2012 was EUR 7.2 billion



# Our journey



**1898:**  
Blacksmith H.S.  
Hansen arrives in  
Lem



**1945:**  
**VE**stjysk **ST**aalteknik  
**A/S** becomes **VESTAS**



**1979:**  
First turbine after  
agricultural vehicles, etc.



**1987:**  
Vestas  
Wind Systems A/S

**1991:**  
Turbine no. 1,000



**2004:**  
Merger: NEG  
Micon & Vestas



**2010:**  
**Wind.** It means  
the world to us.



**2012:**  
50 Gigawatt  
milestone.



**2013:**  
Anders Runevad,  
CEO



## We are a truly **global** organisation





# Vestas has installed 60 GW of wind energy

## 62% more installed capacity than our closest competitor\*

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60 GW amounts to around 50,000 turbines, which generate enough clean energy to power over 19 million European households.

Vestas has installed just over one out of every five wind turbine MWs installed around the globe \*\*

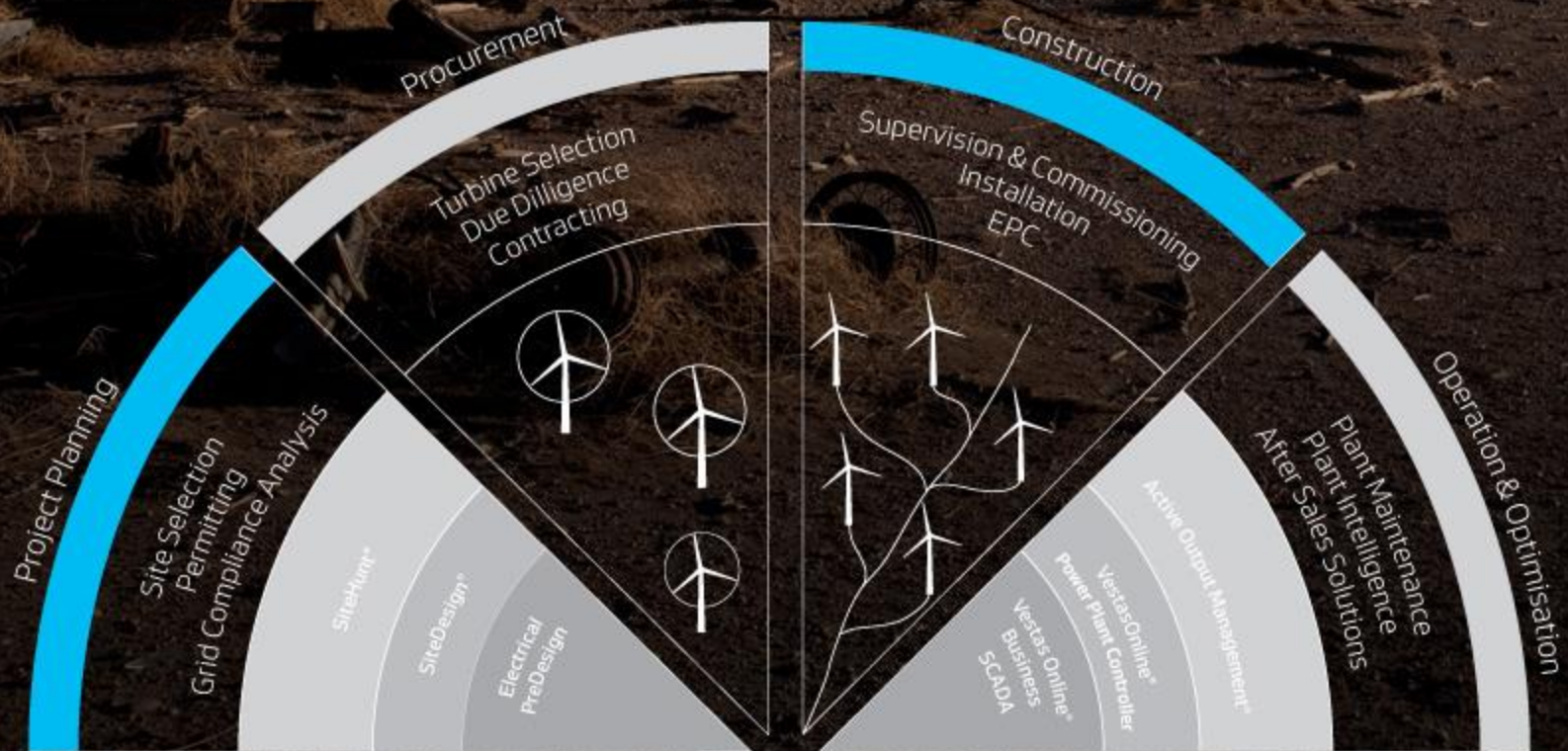
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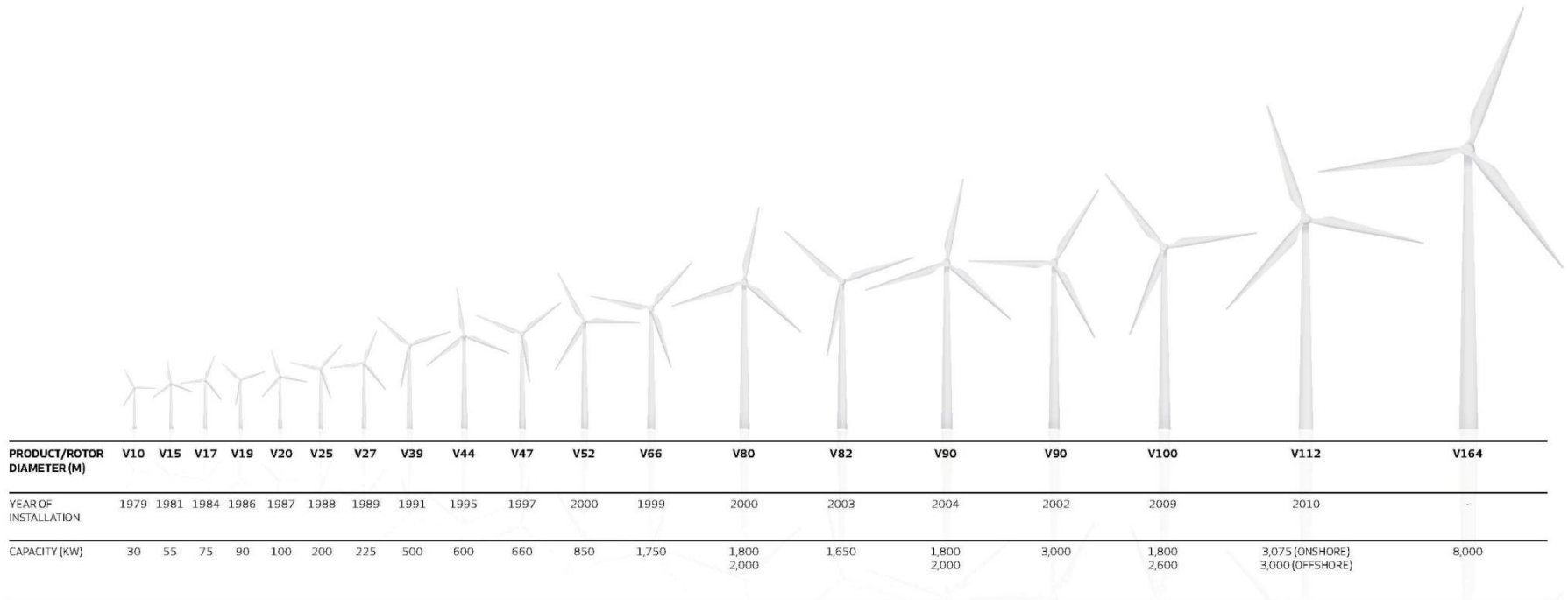
# Power Plant Solutions

Comprehensive suite of services and solutions for the entire value chain



# Industry leading track record in turbine development

Vestas' track record of turbine evolution over 30 years is unmatched in the wind industry





# ICEWIND context



Image: Kent Larsson, Risuddens EI AB (SE)

- **Significant** part of installed and future fleet in areas affected by **cold climates** or periods with **icing risk**.
- Get in control of the **weather exposed risk**
- Turbines are getting bigger, more optimized and more intelligent – require a better understanding of the **climate** the turbines are **exposed** to
- Delivering **Business Case Certainty**
- Continually lowering the **Cost of Energy**
- **Safety** first

Thank you for  
your attention.

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