

**Envision Energys teknologi og
nye innovationscenter i Danmark**

**Dansk selskab for vindenergi
konference 25-26 august 2010**

**Anders Rebsdorf
adm. direktør**

**Envision Global
Innovation Centre**

Silkeborg, Denmark

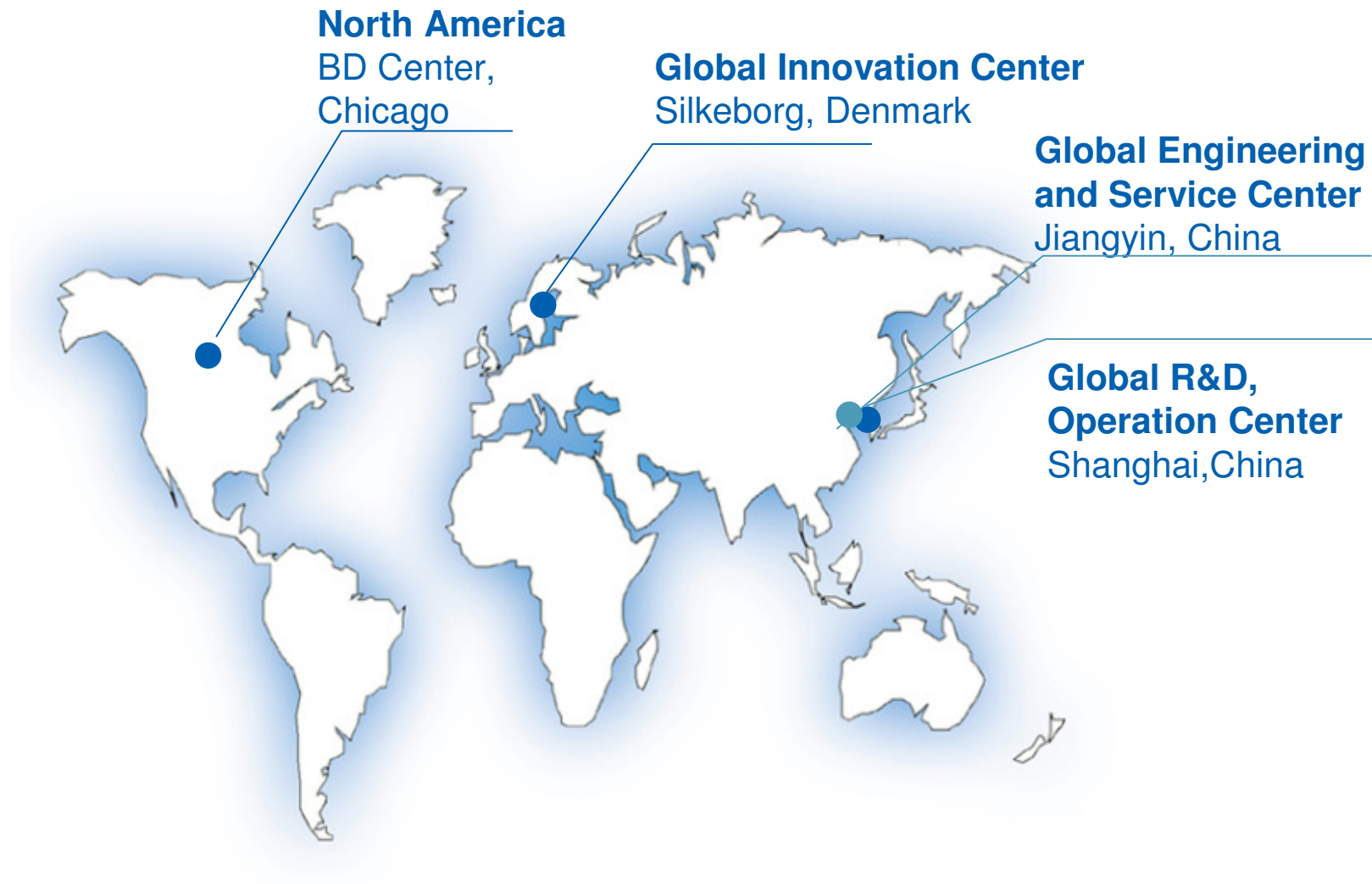


Our Mission:

“Helping you make renewable energy
a sustainable business success”



“A Global Smart Company by Global Talents ”



Envision Energy Facilities in Jiangyin, China

- New facility 1.5 hours drive North East of Shanghai
- Production facility finished January 2010 and
Engineering/Service centre July 2010
- LM Windpower blade production facilities are just across the road.



Envision Energy Facilities in Jiangyin, China



Envision Energy Facilities in Jiangyin, China



Envision Energy Facilities in Jiangyin, China



Envision Energy Facilities in Jiangyin, China

- Moving assembly line – the first one in Chinese wind industry
- “Zero defect” approach
- Supply Quality Engineering (SQE) system



Envision Energy Operation Center - Shanghai, China



Overview of Envision Energy

Management and R&D Team

- Senior managers from McKinsey, Barclays Capital, Morgan Stanley, GE, GM and ITT
- ~100 in-house R&D employees, including senior technical experts with international experience

R&D and products

- Fully owns core technology in load & control, FEA, system of pitch & converter
- Owns technical expertise in blade, gearbox, generator and bearing
- Global Innovation Centre in Denmark
and R&D centre in China
- Reliable & high-performing turbines backed by world-class components and in-house R&D

Strategic partnership

- Strategic partnership with Longyuan – No. 1 wind farm developer in China & No. 5 in the world
- Longyuan selects Envision from other international & domestic bidders for many projects

Overview of Envision Energy

Manufacturing capability

- Toyota Production System (TPS) - lean system with annual capacity of 1,800 MW /y

Advanced management system

- Advanced management system applied along whole value chain, including Integrated Product Development (IPD) and Total Risk Management system

Investment

- Largest private owned windturbine manufacturer in China
- Envision Energy is backed by a global hedge fund
- Currently, Envision is working with leading investment banks to prepare for the upcoming overseas IPO in 2011

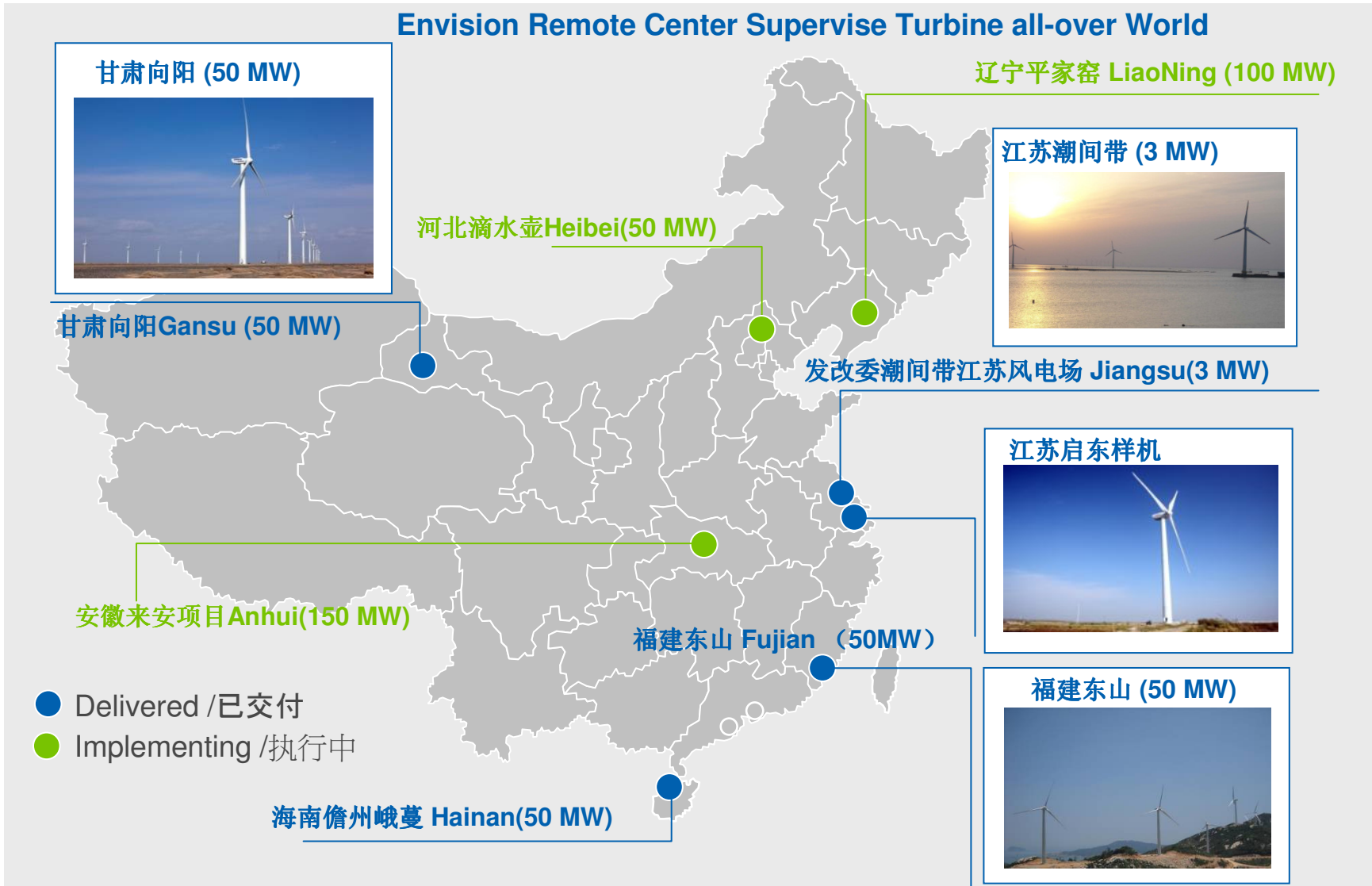
Our Partners



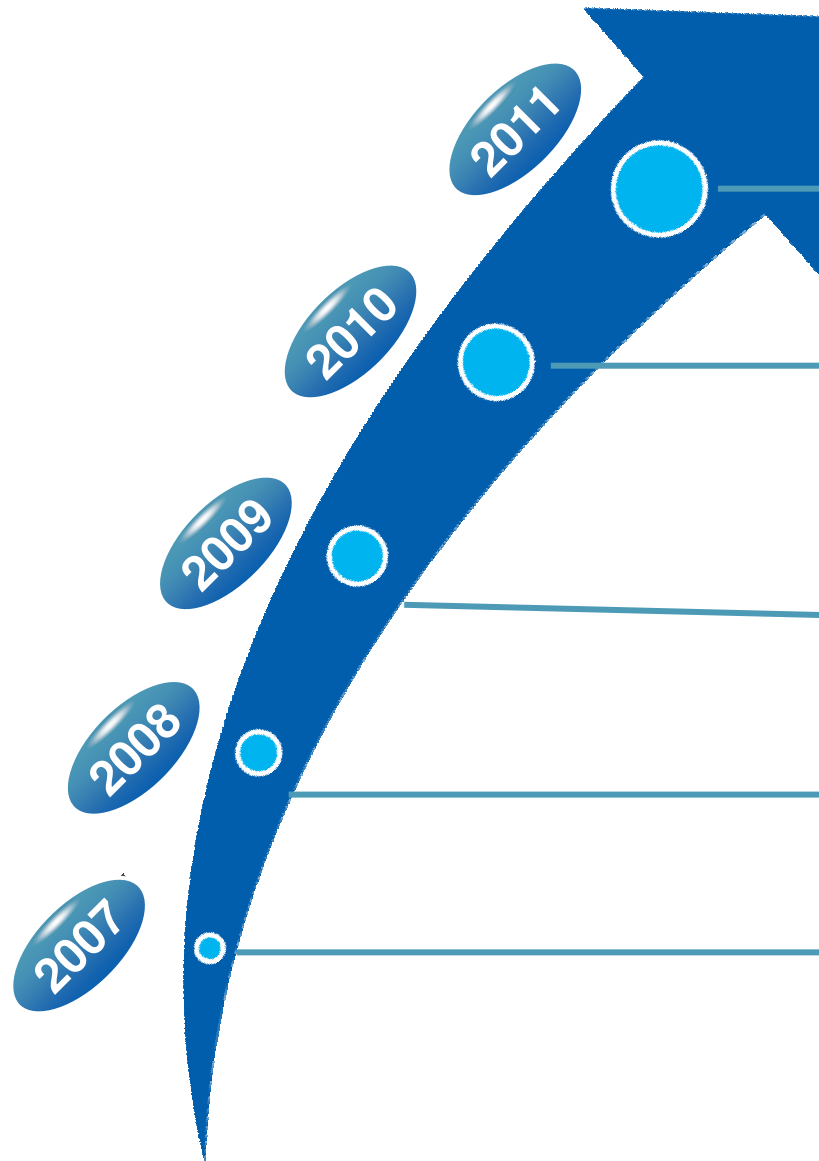
Envision 1.5 MW Turbine Specifications

Turbine:	E70/15	E77/15	E82/15	E87/15
Wind Class	IEC Ia	IEC IIa	IEC IIIa	IEC IIIb
Cut-out Wind	25 m/s	25 m/s	22 m/s	20 m/s
Diameter	70.6 m	77.5 m	82.2 m	86.4 m
Generator	Double-fed	Double-fed	Double-fed	Double-fed
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50 Hz
Voltage	690 V	690 V	690 V	690 V
Rated Power	1540 kW	1540 kW	1540 kW	1540 kW
Hub Height	65 m	65/70/80 m	65/70/80 m	70/80 m

500 MW Installation by 2010



Our Product Roadmap



New Product

New feature

<ul style="list-style-type: none"> ▪ E1xx – x.x MW 	<ul style="list-style-type: none"> ▪ Offshore
<ul style="list-style-type: none"> ▪ E92-1.5MW ▪ E103-2.5MW ▪ E115-2.0MW 	<ul style="list-style-type: none"> ▪ GEN-1Platform ▪ GEN2 Platform ▪ GEN2 Platform ▪ Envision Pitch and Converter ▪ Wind farm control system ▪ 60Hz ▪ LVRT
<ul style="list-style-type: none"> ▪ E87-1.5MW ▪ E82-1.5MW 	<ul style="list-style-type: none"> ▪ GEN-1 platform ▪ Inter-tide turbine
<ul style="list-style-type: none"> ▪ E70-1.5MW 	<ul style="list-style-type: none"> ▪ IEC-I typhoon area
<ul style="list-style-type: none"> ▪ E77-1.5MW 	<ul style="list-style-type: none"> ▪ GEN-0 Platform ▪ 50 Hz







Envision Energy, Silkeborg, Denmark

”Global Innovation Centre”

Established in 2008

Strategy and Management
ready in 2010

At present contracted 17
highly experienced engineers,
with more than 15 years
wind experience in average

Expect to be more than 20
in 2010



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”Global Innovation Centre”

Deal with:

- New offshore product
- Concepts
- Patents (IPR)
- High level support
- Design
- Test and Verification
- Optimization
- Research
- Regional suppliers /
customers

Whats important

- Safety
- Energy and availability
- Time to market
- Customized variants
- Easy logistics
- Easy installation
- Reduce CAPEX
- Reduce OPEX
- Control risks

Envision Energy, Silkeborg, Denmark

”Global Innovation Centre”

Cooperation

Envision Energy (Denmark) is a core member of Danish Wind Industry Association

We will cooperate with :

- Energy companies
 - Suppliers
 - Universities
 - Consultants
- and...

Envision Energy, Silkeborg, Denmark

”Global Innovation Centre”

Will You find Envision WTG in DK / Europe ?

Yes, in time Envision Energy will be a global player

Financially we are strong,
and technologically we are stable and independent,
and service wise we will adapt
and our mindset is focused into values as:

Integrity

Innovation for excellence

Strong Willpower

Self reflection

Envision Energy

Thank you for your attention

Our Mission:
“Helping you make renewable energy
a sustainable business success”



www.envisioncn.com