



# PNE WIND AG

Investor Relations Presentation 9M-2016 November 9, 2016



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# TABLE OF CONTENTS

PNE WIND GROUP

- 1. AT A GLANCE
- 2. CORE COMPETENCIES
- 3. TRACK RECORD

9M-2016 HIGHLIGHTS

- **1. ONSHORE PIPELINE**
- 2. WIND FARM-PORTFOLIO
- **3. OFFSHORE PIPELINE**
- 4. FINANCIALS
- 5. OUTLOOK

MARKET & STRATEGY

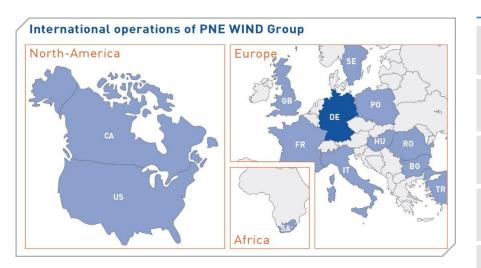
- 1. GLOBAL TRENDS
- 2. MARKET TRENDS
- 3. STOCK AND BOND CHARTS



Wind – a domestic energy source generating value locally



# AT A GLANCE





## Leading wind farm developer

- Onshore and offshore

## Projects in 13 different countries

- Europe, North America, South Africa

## 7 offshore projects sold

- Gode Wind and Borkum Riffgrund sold to DONG Energy

## 2,411 MW onshore realized

- Sold as turnkey projects or as project rights

## Wind farm services covering 1,400 MW

- Commercial and technical management services



# **CORE COMPETENCIES**



Actual time to develop may take longer, in particular in the international markets

# The entire value chain<br/>- From a single sourceBankable projects<br/>- Germany and InternationalTurnkey projects<br/>- General contractor and construction site managementStrong demand for wind farms<br/>- By infrastructure investors and utilitiesWind farm services<br/>- Commercial and technical management services

Jörg Klowat

CFO

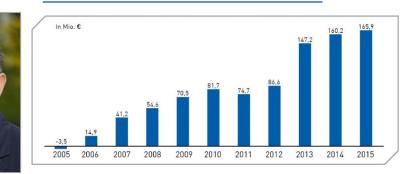
Kurt Stürken

COO



# TRACK RECORD

## SHAREHOLDER EQUITY



## **DIVIDEND HISTORY (EUR)**

	2011	2012	2013	2014	2015
1	0.04	0.10	0.15	0.04	0.04

## REFERENCES

Markus Lesser

CEO

Offshore: Pipeline deal	Onshore: UK Pipeline deal	I Onshore: Turkey Pipeline deal	Onshore: Various Project sales	Wind farm portfolio	Energy Consult
DONG ENERGY	BROOKFIELD	STEAG	INVESTORS	150 MW	O&M SERVICES
<ul> <li>Gode Wind ~ 924 MW</li> <li>Payments of € 129 million received</li> <li>Up to € 25 million due as milestone payments</li> <li>B. Riffgrund ~ 760 MW</li> </ul>	<ul> <li>PNE WIND UK ~ 1,200 MW of projects</li> <li>GBP 40 million upfront payment</li> <li>Up to GBP 63 million in milestones due till 2021</li> </ul>	<ul><li>JV for 230 MW of projects</li><li>Projects being prepared for tenders</li></ul>	• KGAL • CEE • CHORUS • ALLIANZ • ENBW • ENEL • JOHN LAING	<ul> <li>142.5 MW of projects in operation / construction</li> <li>10 MW in planning permission procedure</li> <li>Portfolio transaction planned in 2016</li> </ul>	Approx. 1,400 MW under management in Germany

Per Hornung

Pedersen (Interim)

## MANAGEMENT



# TABLE OF CONTENTS

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PNE WIND GROUP

- 1. AT A GLANCE
- 2. CORE COMPETENCIES
- 3. TRACK RECORD
- 9M-2016 HIGHLIGHTS
  - **1. ONSHORE PIPELINE**
  - 2. WIND FARM-PORTFOLIO
  - 3. OFFSHORE PIPELINE
  - 4. FINANCIALS
  - 5. OUTLOOK

MARKET & STRATEGY

- 1. GLOBAL TRENDS
- 2. MARKET TRENDS
- 3. STOCK AND BOND CHARTS





Wind – a domestic energy source generating value locally

# 9M - 2016 HIGHLIGHTS

## OPERATIONAL AND FINANCIAL

## Project implementation according to plan

- 125.4 MW completed, sold or under construction

## 142.5 MW in Wind Farm-Portfolio

- 124.5 MW commissioned and 18.0 MW under construction
   + 10 MW in the planning permission procedure
- Electricity generation segment EBITDA climbs 60% from € 6.0m (9M-2015) to € 9.8m (9M-2016)

## Milestone payment of € 3.2m

- DONG decided to build (FID) the offshore project Borkum Riffgrund II

## Positive EBIT of € 7.2m during 9M-2016

- Solid EBIT achieved despite build out of Wind Farm-Portfolio
- In 3Q-2016, EBIT of € 8.6m up from € -1.4m in 1H-2016

## New working capital credit line secured

- Syndicated credit line of € 30m + € 10m guarantee



# **ONSHORE PIPELINE**

Country	HI	III	IV	Total MW
Germany	1,227	86	33	1,346
Bulgaria	121	0	0	121
United Kingdom	43	0	0	43
Italy	242	14	0	256
France	313	101	22	436
Poland	223	42	0	265
Romania	55	102	0	157
South Africa	100	30	0	130
Sweden	99	86	0	185
Turkey	700	0	0	700
Hungary	0	42	0	42
USA	417	180	0	597
Canada	555	0	0	555
Total	4,095	683	55	4,833

Phase I – II = Exploration & Development Phase III = Planning

Phase IV = Implementation till handover

As at September 30, 2016

# 125.4 MW completed, sold or under construction in 9M-2016

- Completed projects: Westerengel 23.1 MW, Köhlen 21.3 MW, Holzthaleben 4.8 MW, Apensen II 6.0 MW
- Project rights sold: 15.6 MW

- Under construction: Altenbruch Repowering 33 MW of which 18 MW for Wind Farm-Portfolio, Sommette-Eaucourt 21.6 MW in France

## New permits on hand

- France 10.3 MW
- Poland 132 MW, environmental permit
- Sweden 99 MW, environmental permit

## Framework deal with John Laing

- First sales transaction with 21.6 MW in France finalized; total framework encompasses projects with approx. 50 MW
- Poland 42 MW, project being prepared for tender

## US market activities increased

- Qualifying projects eligible for tax credits (PTC)

## Ongoing tenders and preparation for

- South Africa, Poland, Turkey, Italy and Germany



## WIND FARM-PORTFOLIO

Project	Location	Status	MW	Scheduled completion
Altenbruch II	Lower Saxony	Commissioned	25.8	2009
Chransdorf	Brandenburg	Commissioned	57.6	2015
Waldfeucht	North Rhine- Westphalia	Commissioned	9.0	2015
Apensen II	Lower Saxony	Commissioned	6.0	2016
Köhlen	Lower Saxony	Commissioned	21.3	2016
Holzthaleben	Thüringen	Commissioned	4.8	2016
Altenbruch Repowering	Lower Saxony	Under construction	18.0	2016-17
Total			142.5	

As at September 30, 2016

Wind Farm-Port	folio Strategy
- Started in 2014, realized	zation planned for end of 2016

# 142.5 MW commissioned or under construction

- 124.5 MW commissioned, 18.0 MW under construction

- An additional 10 MW in the planning permission procedure

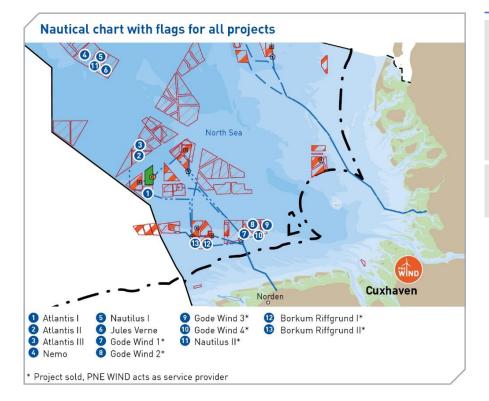
#### Energy segment EBITDA up to € 9.8m - From € 6.0m in 9M-2015

#### Sales process underway

- Direct sale to an investor planned this year



## **OFFSHORE PROJECTS**



## Projects developed and sold by PNE WIND belong to the first operational offshore wind farms

- Borkum Riffgrund I with 312 MW produces energy for 320,000 households
- Gode Wind 1 and 2 with 582 MW produces energy for 600,000 households

#### Germany targets 15,000 MW offshore - By 2030, up from 3,295 MW in 2015



# OFFSHORE PIPELINE

Own Projects	Zone	Phase	# WTG	Total MW
Nemo	4	2	80	480
Jules Verne	4	2	80	480
Nautilus I	4	2	80	480
Atlantis I	2	3	73	584
Atlantis II	3	2	80	400
Atlantis III	3	2	80	400
Total			473	2,824
Sold Projects	Zone	Phase	# WTG	Total MW
Borkum Riffgrund I	1	8	78	312
Borkum Riffgrund II	1	6	56	448
Gode Wind 1 & 2	1	8/8	55 + 42	582
Gode Wind 3 & 4	1	3/4	15 + 42	342
HTOD5 (Nautilus II )	4	2	68	476
Total			356	2,160
Phase 2 = Application conference held Phase 3 = Hearing held Phase 4 = Approval granted Phase 5 = Grid connection			Phase 6 = Inves Phase 7 = Unde Phase 8 = In op	er construction

# DONG decided to build (FID) the offshore project Borkum Riffgrund II

- Milestone payment of € 3.2m

## Up to € 29m in milestones expected

- From Borkum Riffgrund II and Gode Wind 3 and 4

## Atlantis I being prepared for tender in 2017

- Project size increased to 584 MW from 400 MW

## **Regulatory Changes**

- According to WindSeeG (effective from Jan 1, 2017) all projects in Zone 3 to 6 will be brought into the "Central Model" to be tendered off by the government
- Legal opinions conclude that parts of WindSeeG are unconstitutional
- A claim for damages is being prepared for projects in Zone 3 and 4

## **Development Opportunities**

- Power-to-Gas: New solutions for offshore projects are being explored
- International markets: Leverage our offshore experience in foreign markets



## **INCOME STATEMENT (IFRS)**

# Solid EBIT achieved despite build out of Wind Farm-Portfolio

- Total output and sales driven by stage of completion of wind farms and timing of sales
- Total output in 9M-2016 at € 101.9m vs. € 189.5m last year
- Sale of UK pipeline in 9M-2015 drove sales and earning with transaction generating  $\in$  35m in EBIT

## EBIT at €7.2m

- Build out of Wind Farm-Portfolio leads to deferral of sales and higher depreciation
- Earnings primarily driven by wind farm sales (Westerengel, Altenbruch Repowering Ost, Sommette-Eaucourt), an offshore milestone payment and electricity generation

## Net income at - € 2.8m

- EPS of - € 0.04 down from € 0.13 last year

## Full year guidance of up to € 100m confirmed

- Earnings generated from Wind Farm-Portfolio, but eliminated within the scope of consolidation, total € 36.7m since 2014

In EURm	9M 2016	9M 2015	2015
Sales	77.1	80.5	109.5
Work in progress	19.5	104.9	116.1
Other income	5.3	4.2	7.7
Total output	101.9	189.5	233.3
Cost of materials	-51.1	-124.4	-154.9
Personnel	-18.7	-22.3	-29.3
Depreciation	-9.0	-7.0	-9.9
Others	-15.9	-19.1	-29.5
EBIT	7.2	16.7	9.8
Net interest	-11.9	-9.2	-14.6
Participations	0.0	-0.2	-0.2
EBT	-4.7	7.3	-5.0
Taxes	0.6	1.4	3.6
Minorities	-1.4	-1.1	-4.9
Net income	-2.8	9.8	3.5
EPS (in €)	-0.04	0.13	0.05
EPS (in €) Diluted	-0.03	0.13	0.05



## BALANCE SHEET ASSETS (IFRS)

# Balance sheet developments primarily driven by investments in Wind Farm-Portfolio

## Property, Plant and Equipment at € 160.8m

- Commissioned wind farms € 125.1m
- Transformer stations € 10.5m
- Building and property € 19.0m

## Inventories climb to € 177.8m

- Offshore € 45.8m
- Onshore Germany € 62.9m
- Onshore International € 47.1m
- Prepayments € 21.8m

# Strong liquidity position to fund future developments

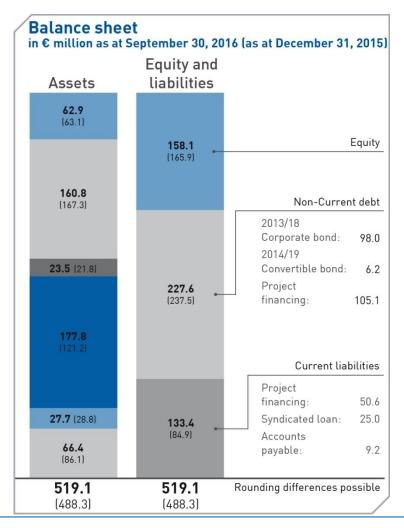
- Cash position at € 66.4m

	Assets	Equity and liabilities
Intangible assets	62.9	
Property, plant and equipment	(63.1)	<b>158.1</b> (165.9)
Portfolio-Projects: 125.1 Land and Building: 19.0	160.8	
Transformer Station: 10.5	(167.3)	_
Other	• <b>23.5</b> (21.8)	
		<b>227.6</b> (237.5)
Inventories	177.8	
Portfolio-Projects: 45.8	[121.2]	
Receivables and		
other assets	<b>27.7</b> (28.8)	133.4
Cash	<b>66.4</b> (86.1)	[84.9]
Rounding differences possible	<b>519.1</b> (488.3)	<b>519.1</b> (488.3)



## Wind Farm-Portfolio leads to temporary increase in debt and deferral of earnings - Equity at € 158.1m translates into a solid equity ratio of 30% Non-current debt at € 227.6m - Project financing of € 105.1m - 2013/18 corporate bond € 98.0m - 2014/19 convertible bond € 6.2m Current liabilities at € 133.4m - Construction financing converts into long term debt once project is commissioned - Project financing of € 50.6m - New working capital line of credit secured in July totaling € 30m + € 10m guarantee Net debt at € 231.1m - Total project level financing totals € 155.7m up from € 122.0m as at Dec. 31, 2015

# BALANCE SHEET LIABILITES (IFRS)





# OUTLOOK



## Wind energy – the driving force for PNE WIND

## EBIT in 2016 up to € 100m

- High EBIT forecast based primarily on Wind Farm-Portfolio transaction
- Structured sales process ongoing

## Wind Farm-Portfolio grows to 142.5 MW

- An additional 10 MW in planning permission
- Conditions necessary for direct sale to an investor are met

# Atlantis I is being prepared for upcoming tender in 2017

- Offshore project size has been increased to 584 MW

## **Regulatory Changes**

- Germany: New EEG and WindSeeG
- International: Regulatory changes in foreign countries and delays in tender markets
- Adapting international activities to reflect opportunities and risks

## US market activities increased

- Qualifying projects eligible for tax credits (PTC)



# TABLE OF CONTENTS

The 2015 Paris agreement delivers a global acknowledgement that climate change is a reality

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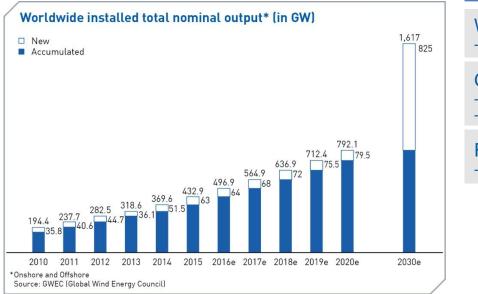
- 1. AT A GLANCE
- 2. CORE COMPETENCIES
- 3. TRACK RECORD
- 9M-2016 HIGHLIGHTS
  - 1. ONSHORE PIPELINE
  - 2. WIND FARM-PORTFOLIO
  - 3. OFFSHORE PIPELINE
  - 4. FINANCIALS
  - 5. OUTLOOK

#### MARKET & STRATEGY

- 1. GLOBAL TRENDS
- 2. MARKET TRENDS
- 3. STOCK AND BOND CHARTS



## **GLOBAL TRENDS**



## Wind set to climb to 15 to 18% - Of global electricity mix by 2050 according to IEA forecast

#### Germany: 13.3% wind of electricity mix

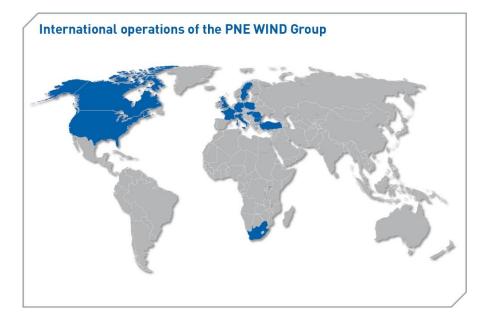
- DK: 30.0% - ES: 19.1% - PT: 24.0% - USA: 4.7% - World: 3.0%

#### Renewables to reach 16% mark

- By 2035 according to BP - 2016 Energy Outlook



# **REGULATORY TRENDS**



## **COP21** Paris Agreement

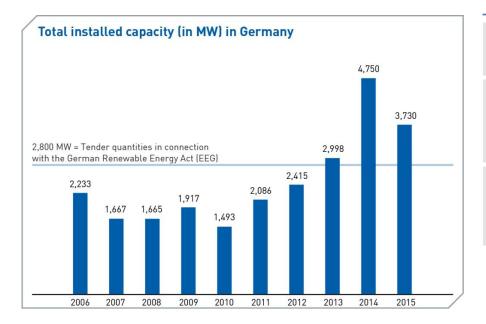
- All necessary measures should be taken to keep global temperatures from rising more then 2 °C

## Legislation passed to support agreement

- Germany, renewable energy in el. mix should nearly double to 55-60 percent by 2035 from 34 percent in 2015
- France, renewable energy in el. mix should climb to 40 percent by 2030 from 15 percent in 2015
- USA, Qualifying projects eligible for tax credits (PTC)



## EEG 2017 - ONSHORE



## Tenders beginning in 2017

- 2,800 MW will be allocated per year during 2017-19

## **Transitional period**

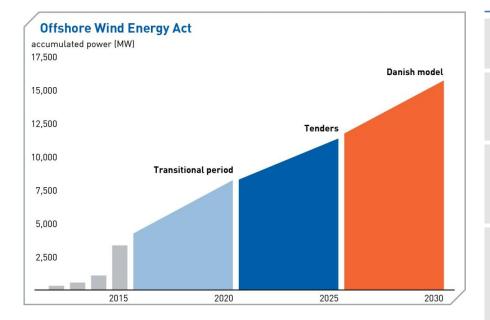
- Projects with planning permission before Jan 1, 2017 and commissioned before Jan 1, 2019 may choose between feed-in-tariff regime and tender

## Limited grid capacity regions

- Due to underinvestment in the grid, new wind build will be limited in these areas to 58% of the amount installed during the 2013-15 time period



## EEG 2017 - OFFSHORE



## Germany targets 15,000 MW offshore

- By 2030, up from 3,295 MW in 2015

## **Transitional period**

- Offshore wind farms, which are commissioned before the end of 2020, fall under previous fixed feed-in-tariff regime

## Two tenders totaling 3,100 MW

- In March 2017 and 2018, tenders with 1,550 MW each will be held for projects to be completed during 2021-25
- Atlantis I is being prepared for the tenders

## **Central Model**

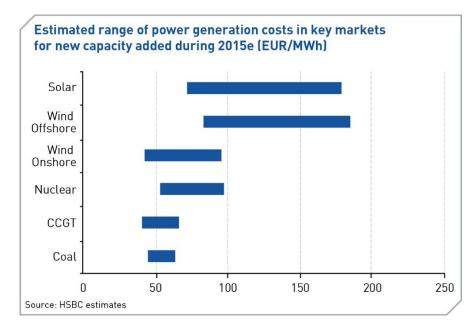
- After the two tender rounds, a government body (BSH) will takeover the development of future offshore projects. These areas will then be auctioned off for the period after 2025
- If there are no changes to the legislation, the projects Atlantis II and III, Jules Verne, Nemo and Nautilus may be affected

## **Development Opportunities**

- Power-to-Gas: New solutions for offshore projects are being explored
- International markets: Leverage our offshore experience in foreign markets



# **ENERGY TRENDS**



## Wind power is competitive

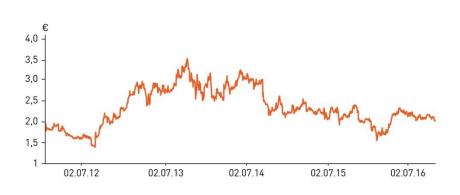
- In comparison to coal, gas and nuclear

## Improving wind technology

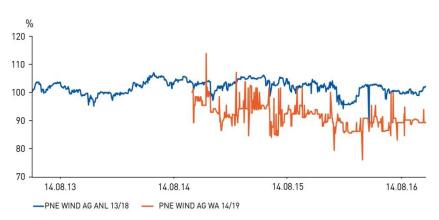
- Leads to higher output at lower costs
- Wind LCOE (Levelized Cost of Energy) has fallen by 50 percent since 2009 Bloomberg New Energy Finance



## **STOCK & BONDS**



WKN / ISIN	AOJBPG / DE000A0JBPG2
Number of shares (30 September 2016)	76,556,026
Market capitalization (30 September 2016)	EUR 166.0 m
Free Float	Approx. 82%
Market segment	Prime Standard
Indices	CDAX Technology, ÖkoDAX
Designated Sponsors / Market Maker	Commerzbank, Dero Bank,ODDO Seydler Bank
Reuters / Bloomberg	PNEGn / PNE3



Corporate bond 2013/2018 (WKN: A1R074)	Coupon 8%, Prime Standard, Total volume EUR 100 m
Convertible bond 2014/2019	Coupon 3.75%, Strike price EUR 3.18
(WKN: A12UMG)	Total volume EUR 6.6 m

## CALENDAR

Analyst Conference Frankfurt	November 21-23, 2016
Annual Report 2016	March 30, 2017
First quarter	May 10, 2017
Annual General Meeting	May 31, 2017
Second quarter	August 10, 2017
Third quarter	November 9, 2017

# **THANK YOU**



# CONTACT



Harnessing the power of the wind means for us connecting environmental responsibility with corporate success

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