

Global Offshore Wind 2016



International weather, climate and
energy sector delegation
Tuesday July 5th
Orbis Energy Lowestoft



Catalyst for the Energy Industry

The **East of England Energy Group (EEEGR)** is the industry Business development and Skills partner for energy producers and the supply chain in the East of England, representing over **300 members** across the supply chain.

- ▶ Not for profit, industry-led group
- ▶ Members operate through all energy sectors:- Oil and gas, nuclear, renewables,
- ▶ Mission Statement: ***‘To be the source of new opportunities and knowledge to enable member companies to strategically grow their businesses’***
- ▶ Focussing on: Raising the profile of our industry, developing the supply chain, Growing our diverse skills base, attracting investment into our region, lobbying government



Energy Portfolio



Upstream Oil & Gas

Gas Processing Terminal

Decommissioning

Offshore Wind

Bio Energy

Conventional Generation

Nuclear

Carbon Capture &
Storage

Transmission &
Distribution

Solar PV

Wave & Tidal

- ▶ EEEGR organise a number of events each year
- ▶ SNS2017 March 1&2 2017. Norwich
- ▶ Special Interest Groups
(Decommissioning, Marine, Subsea)
- ▶ Annual awards August 14, Annual HOC reception Sept 19, Annual skills event Nov 30.
- ▶ Business breakfasts, lunch & learn, Supply chain events, social events



- 50 years of oil and gas
- Transferable skills
- Adaptable supply chain willing to diversify
- Fabrication yards and facilities
- Ports and improving infrastructure
- Enterprise Zones to encourage inward investment



► Lobbying:

- Working with other groups and associations
- Work with District, County Councils and LEP
- Local MP's Chair of Cross party Oil & Gas and Vice Chair of Renewable and Sustainable Energy Group

► EEEGR Activity with government departments:

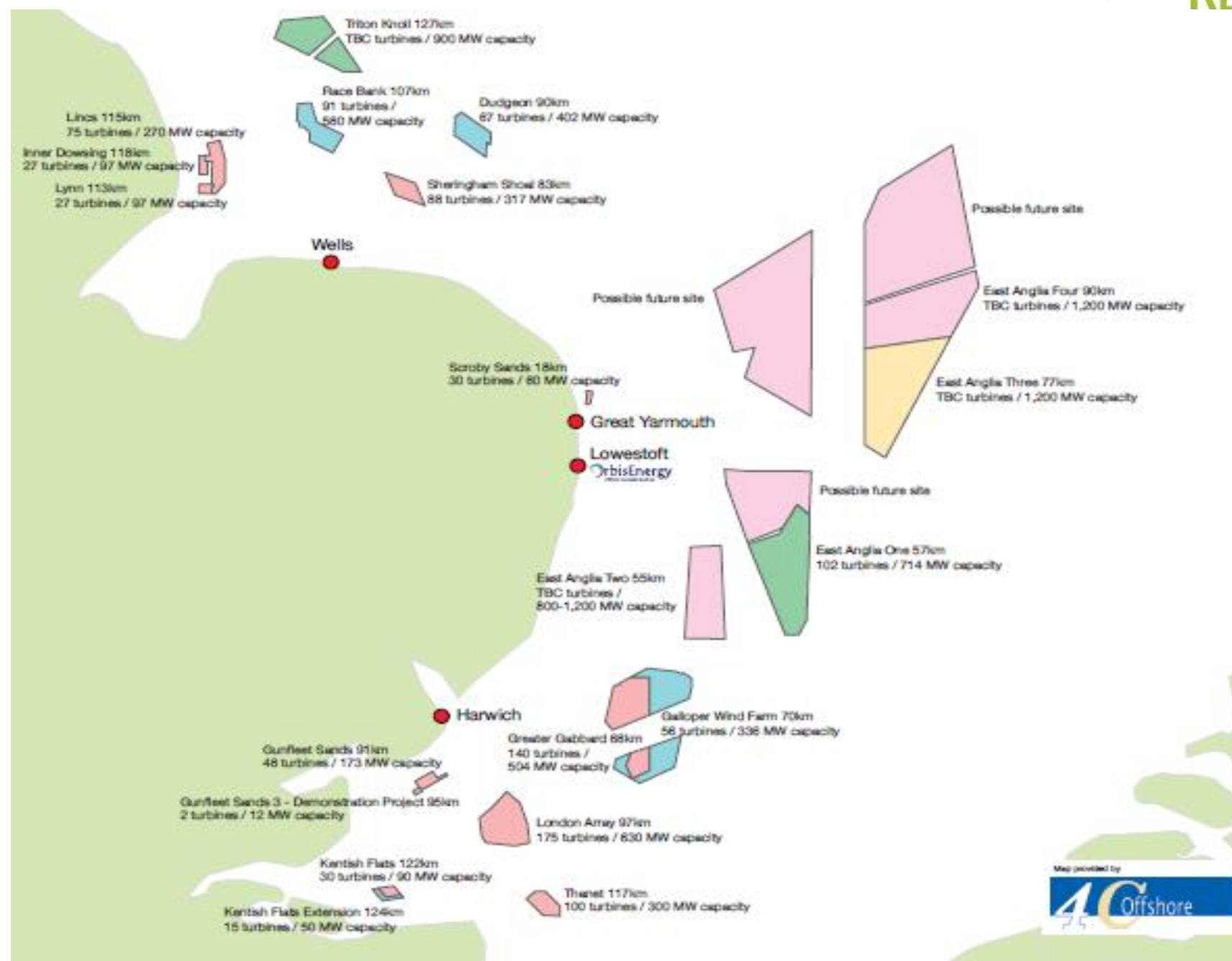
- Including DECC, OGA, BIS, DCLG
- House of Commons Reception October 19th



Skills for Energy (SfE)

- Work with regions Universities, colleges, commercial providers, armed services
- 1 Year pre apprenticeship, all energy, multi-discipline course
- BEng, MEng, BSc, MSc Energy Engineering at University of East Anglia
- Military
- Energy Employment advisor
- Introduction to..... Training courses.

The size of the opportunity



Scroby Sands

30 x 2MW turbines

60 MW Capacity

Round 1 - 2004



Greater Gabbard
140 X 3.6MW turbines
504 MW capacity
Round 2 - 2012



London Array
175 X 3.6 MW
630 MW capacity
Round 2 - 2012



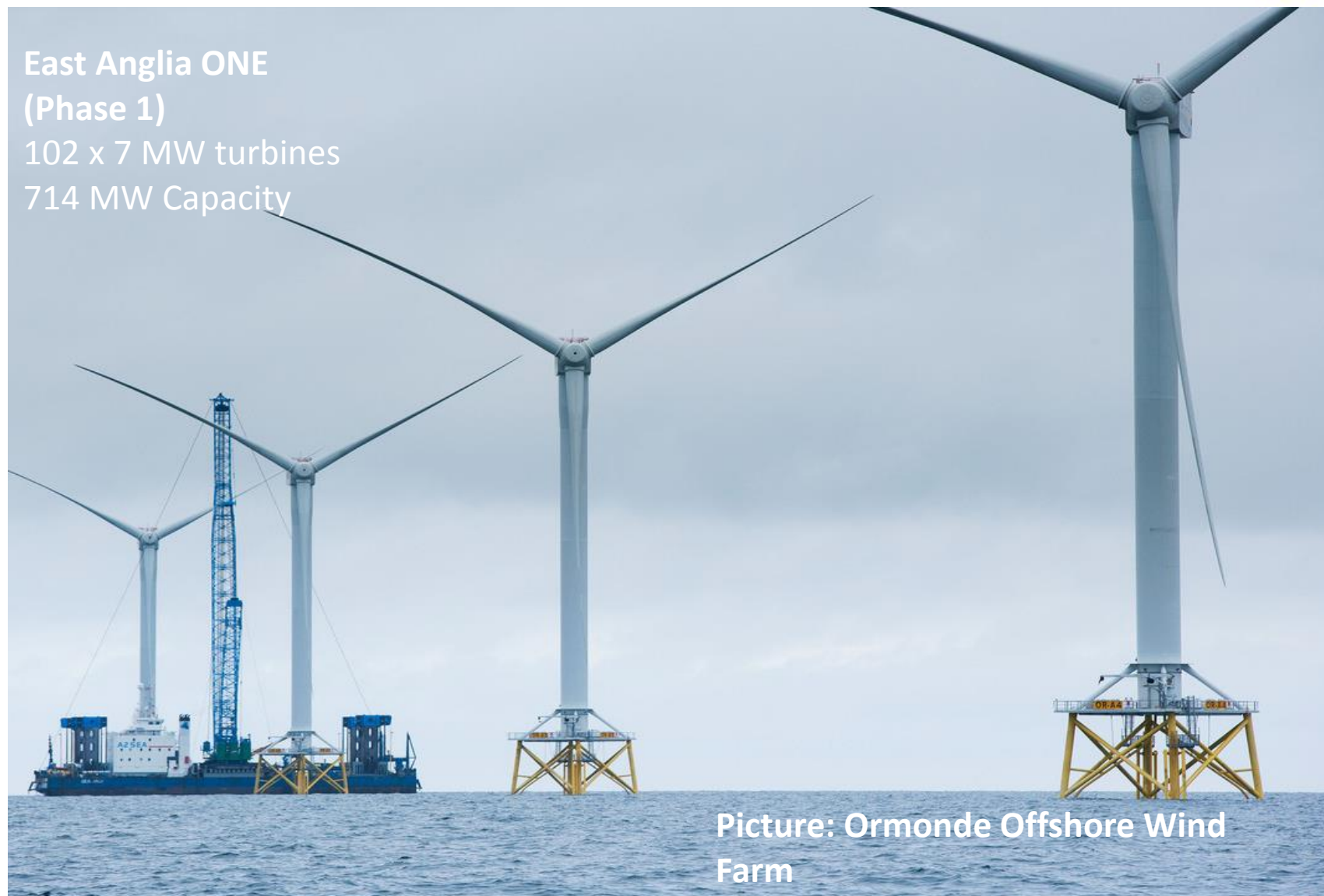
Sheringham Shoal
88 X 3.6 MW
317 MW capacity
Round 2 - 2012



Current projects

Project Name	Developer	Round / Timescale	Project Size	Construction Base	O&M Base
Galloper	RWE, GIB, Siemens & Macquarie	Round 2 extension	336MW	Lowestoft	Lowestoft
Dudgeon	Statoil, Statkraft & Masdar	Round 2	402 MW	Gt Yarmouth	Gt Yarmouth
East Anglia ONE	Scottish Power Renewables	Round 3	714 MW	Gt Yarmouth	Lowestoft
East Anglia Three	Scottish Power Renewables	Section 56 consult	1.2GW	TBA	TBA
Norfolk Vanguard	Vattenfall	2017	1.8 GW	TBA	TBA
Norfolk Borias	Vattenfall	2017	1.8 GW	TBA	TBA

East Anglia ONE
(Phase 1)
102 x 7 MW turbines
714 MW Capacity



Picture: Ormonde Offshore Wind Farm

Jacket foundations

Sembmarine SLP Jacket
launch for Dudgeon
substation



Size of the Prize

East of England
£45.9bn

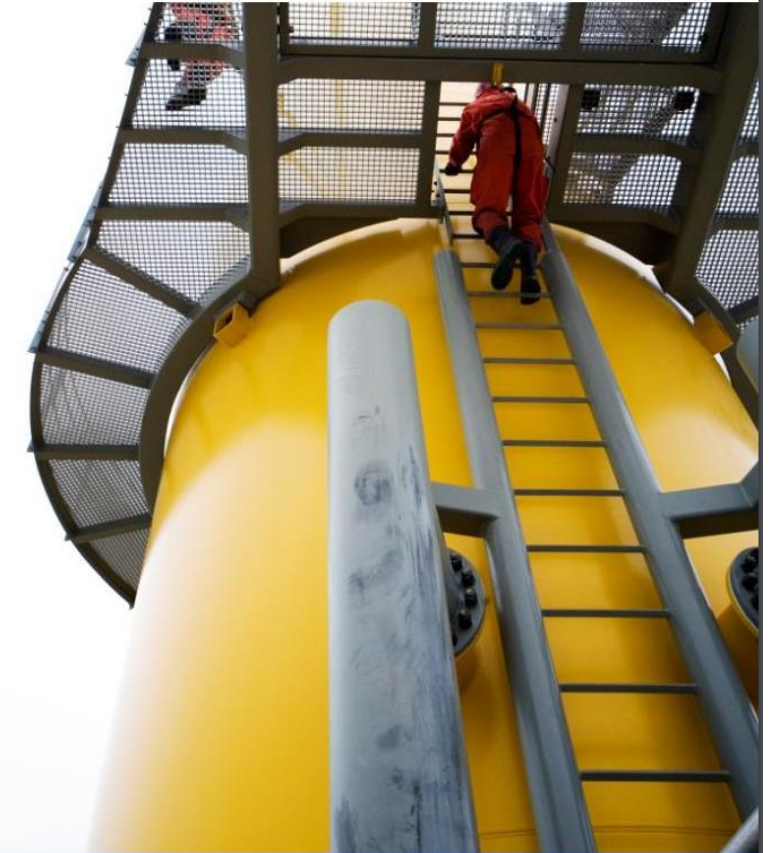
United Kingdom
£409bn

North West Europe
£645bn

1442 Projects

UK content

- ▶ European law (If we are still part of Europe!)
- ▶ Essential that any non-UK companies understand the requirement
- ▶ BVG Associates guide 'Methodology for measuring the UK content of UK offshore wind farms'
- ▶ Since 1 January 2015 owners of all UK offshore Wind Farms achieving final investment decision have to report their UK Content



Want to engage in the East ?

- ▶ Growing offshore wind presence and opportunities
- ▶ Diverse energy base across Offshore wind, Oil and gas (inc. decommissioning), nuclear and other renewables
- ▶ Enterprise zone to encourage inward investment
- ▶ Skilled, low cost workforce
- ▶ New Anglia LEP and local authorities keen to encourage and stimulate new entrants into region
- ▶ EEEGR as your partner to find new business, customers and Opportunities
- ▶ You don't have to be in the East to join



Questions?

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