Today
Offshore wind in Europe
WindEurope
information
About Latvia:
wind, see, harbours, geology, environment, economy, electrical grid and market, regulation and restrictions, legal acts, strategy .....
WIND POWER IN LATVIA

Dr.Sc.ing Paulis Barons
Latvian Wind Power Association
Board member
Offshore wind farms
Daily wind power numbers

Share of wind energy in total electricity demand

12.9%

Onshore Wind (GWh)
1,098
Offshore Wind (GWh)
185

Which could power

Equivalent EU households*
129 million

OR

Average industrial electricity demand **
45%

* Elaborated on the electricity demand of an average EU28 household in 2015, Eurostat
** Elaborated on the industrial electricity consumption of each EU28 country in 2015, Eurostat
Economic output

- 330,000 jobs
- €72bn 2015 turnover
- €27.5bn invested in 2015
- €1bn EFSI direct investments

Source: Paul Langrock; Wind Europe
Wind energy investments 2000 - 2030
Offshore turbine development

Turbines are 15% larger than in 2015
Offshore outlook

• Market still focused on North West Europe

• Stable pipeline next 4 years

• Uncertainty after 2020 in some countries

WindEurope assessment based on regulatory signals, turbine orders and investment trends.
Mean Annual Wind Speeds in m/s

Reference NCEP Reanalysis

Offshore wind  Riga  May 2017
Baltic see wind speed
Baltic states
HV power grid
A photo of the jack-up vessel Seajacks Scylla installing one of the 67 Siemens 6MW turbines at the 402MW Veja Mate offshore wind farm using a 1,500mt Huisman Leg Encircling Crane.

Veja Mate is a EUR 1.9 billion offshore wind project owned by the Highland Group Holdings Ltd, Siemens Financial Services, and CI II, managed by Copenhagen Infrastructure Partners. The wind farm is expected to be fully operational by late 2017/early 2018.

Offshore wind  Riga  May 2017
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