WIND

Energy with wpd

wpd is one of the most qualified developers and operators of offshore wind projects with a capacity of around 500 MW installed and a pipeline of 7.400 MW in 8 countries.

projects-offshore@wpd.de
www.wpd.de

wpd think energy

ASIA PACIFIC AREA

Offshore Wind Projects

4th Edition - 2020

La Tene Maps

GWEC GLOBAL WIND ENERGY COUNCIL

Compiled, Designed and Produced by La Tene Maps (latenemaps.com) in association with the Global Wind Energy Council (gwec.net)

Green Giraffe

The renewable energy financial advisors

green-giraffe.eu

Raising funds for your offshore wind projects

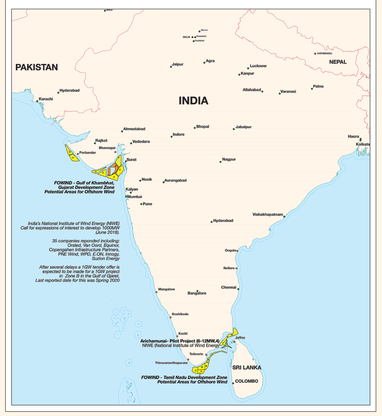
GWEC MARKET INTELLIGENCE

- Market Insights and Forecasts
- Policy and Regulations Updates
- Comprehensive Supply Chain Data and Trends
- Exclusive Reports and Country Profiles
- Extensive Databases for Projects, Auctions, Asset Owners, Vessels and Service Providers

Gain access to authorative data and insights from wind energy experts.

Find out more at www.gwec.net/market-intelligence

INDIA



AUSTRALIA - NEW ZEALAND

TAIWAN, CHINA

Copyright © 2020 La Tene Maps

NORTH KOREA

SOUTH KOREA

JAPAN

CHINA

TAIWAN,CHINA

Ogasawara Islands

Philippines

Parcel Is.

Spratly Is.

Palau Is.

Laos

Thailand

Vietnam

Cambodia

NOTES CHINA
1. Numbered Projects China

1. Rudong H13, (150MW) Nantong Zhicin Offshore Wind
2. Rudong H2, (300MW,60) Xinneng Haili Wind Power
3. Rudong H3, (250MW,60) Huaneng Power
4. Rudong H3-2, (100MW) Huaneng Power
5. Rudong H4, (400MW,100) State Power Investment Co. (SPIC)
6. Rudong H4, (400MW,100) State Power Investment Co. (SPIC)
7. Rudong H5, (300MW,75) Jiangsu Jiaokong Rudong
8. Rudong H6, (400MW,100) China Three Gorges New Energy
9. Rudong H7, (400MW,100) State Power Investment Co. (SPIC)
10. Rudong H8, (300MW,60) CGN New Energy Holdings
11. Rudong H10, (400MW) China Three Gorges
12. Rudong H14, (200MW, 50) Jiangsu Guangcheng New Energy
13. Rudong H15, (200MW, 50) Golden Ascend Holdings
14. Rudong Nanli Island (4MW, 1) China Longyuan/Hydoo China Huadong Engineering Corp.
15. (Excld) Floating Demonstration Projects (12MW, 2) Tonex

2. Some projects older than 5 years have been removed if we have had no news on development

NOTES - South Korea
There are various proposals for Ulsan City to develop Windfarms Offshore Ulsan. The city has signed MOU's with 4 consortia including Shell and Corea Hoolcon (Hoolcon AB and Coenic) The city has also signed MOU's with Macquarie and Macquarie's Green Investment Group (GIG) and KF Wind.

Floating Wind Projects (Phase 1) Offshore Ulsan
Donghae-KF Wind Floating WF (500 MW) KF Wind, EDP, AKER
Donghae - Mutie (200 MW) Ulsan Technopark
Donghae-White Island (1,000 MW) Copenhagen IP
Donghae-Yeong Il Bay (500 MW) Orsted Corea Hoolcon
Donghae-Corea Power 1 (500 MW) Macquarie
Donghae-Corea Power 2 (500 MW) Korea EWR Equinor/KNOC
Firefly (250 MW) Korea EWR Equinor/KNOC
Taniwave 1 (200 MW) Shell/Hoolcon

Notes - Taiwan, China
1. Project areas where applications have been withdrawn or the EIA's have been rejected have been removed from the map

2. The development zones in yellow have never been applied for and are open for application

LEGEND

- Offshore Windfarm in Operation
- Offshore Windfarm Under Construction
- Under Construction/Partial Generation
- Approved/Consented Windfarm
- Proposed Windfarm
- 12 Nautical Mile Limit
- International Marine Boundary
- Offshore Floating Windfarm in Operation
- Offshore Floating Windfarm Under Construction
- Approved/Consented Offshore Floating Windfarm
- Offshore Floating Windfarm Proposed
- Development Area (India,Japan & Taiwan)
- Future Development Area (Japan)
- Approved Windfarm Area (Taiwan)

Site Name — Generating Capacity
Donghai Bride 100 MW offshore wind power demonstration project (102 MW)
Shanghai Donghai Wind Power Generation Company Ltd
Owner/Operator/Developer

Notes:
1. This map summaries the position of Offshore Wind Projects in the Asia Pacific area at one moment in time. It is changing rapidly, each offshore project is shown by by location together with the project operator or owner and the generating capacity of the project. In many cases the number of turbines is also shown.
2. Whilst every effort has been made to ensure the accuracy of this map, La Tene Maps and the Global Wind Energy Council are not liable for any errors or omissions whatsoever.
3. As there are different licencing regimes in each country the system shown is simplified to allow comparison between countries. Magenta = an area where an offshore wind farm may be built subject to getting all the necessary planning permissions and consents. Shown mainly for Taiwan. The scale of the map is too small to show these for the total area. Due to the scale of the map it is not possible to show all the licenced areas. Symbols are used instead - Black = built, Blue = Under Construction, Grey = Planned/Consented, Green = In Planning/Proposed. Yellow areas are areas which are development areas or future auction areas for wind farms. Yellow striped areas are identified potential areas for future development.
4. All boundaries and limits are indicative rather than absolute
5. Not to be used for navigation
6. Any errors or omissions notified to us will be corrected in the next edition.
7. Other maps in the Offshore Wind Projects series include:
   - Europe-Offshore Wind Projects Map
   - North America - Offshore Wind Projects map
   - World - Offshore Wind Projects Map
   - World - Floating Wind Projects Map
   - Eastern North Sea/Baltic - Offshore Wind Projects Map

HORIZON GEOSCIENCES

Mapping the Marine Environment

UK Office: +44 117 329 1080
UAE, Head Office: +971 6 557 3045

HORIZON-GEOSCIENCES.COM

OFFSHORE WIND DESIGNS
OPTIMIZED FOR EVERY BUSINESS CASE

GustoMSC an NOV company

Penta-Ocean's GI-9800C, a GustoMSC design for efficient installations in the Japanese waters

GustoMSC is a reputable design & engineering company of mobile offshore units and equipment. We enable and support safe and efficient operations at sea, contributing to a sustainable future.

www.gustomsc.com

THE PIONEERS OF OFFSHORE ENGINEERING

steel solutions **built for** the future

Nearly 2,000 foundations and 21 substations. Technical know-how since 1965. It is as simple as that. The numbers speak for themselves.

BLADT INDUSTRIES
www.bladt.dk

Asia- Pacific Area
Offshore Wind Projects
4th Edition - November 2020

Researched, Designed and Produced by La Tene Maps in association with the Global Wind Energy Council (GWEC)

La Tene Maps: Station House, Shankill, Dublin 18, Ireland.
T: +353-1-2847914 E: enquiries@latenemaps.com W: www.latenemaps.com

GWEC: Rue Belliard 51-53, 1000 Brussels, Belgium
E: info@gwec.net W: www.gwec.net

www.sabik-offshore.com

SABIK OFFSHORE
MARK IT · LIGHT IT · KEEP IT SAFE

MARKING Offshore Wind Farms

Aids to Navigation · Aviation Obstruction · System and Controls

Complete Solutions for Temporary and Permanent Marking

MASTER BUILDERS SOLUTIONS · BASF We create chemistry

MasterFlow
We Revolutionize Offshore Grouting

www.master-builders-solutions.com/en-asiapacific

Andalucia

Technology SEA Experts

Navantia

Jacket and floating foundations AC and HVDC Substations

Navantia
www.navantia.es