

TOPIC OF THE WEEK

JUN'18 (01 to 07)

Week: 01st to 7th June 2018

Topic: Global Wind Summit

The first edition of the Global Wind Summit will be hosted by Germany from September 25-28, 2018 at Hamburg.

About

The Global Wind Summit 2018 will be the biggest meeting point for business, networking and information for the whole of the wind industry – onshore and offshore. The summit combines two conferences ‘Wind Energy Hamburg’ and ‘WindEurope’. WindEurope, in partnership with Wind Energy Hamburg, will host the Global Wind Summit 2018 in the Hamburg Messe.

Highlights of the first Global Wind Summit

- Over 1400 exhibitors will gather for Wind Energy Hamburg, the world’s leading wind energy expo, with an aim to network, do business and maximise visibility before a global audience.

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- Over 50 conference sessions by 250 experts of WindEurope will put attendees at the forefront of every aspect of the wind industry in 2018.
- The event will witness participation from over 100 countries including India, China, the US, Spain and Denmark.
- It will provide a platform for experts from across the globe to discuss innovative and green technologies for harnessing wind energy making.
- The conferences will deliberate on the ways to develop new markets, make product competitive in auctions and use wind power for all energy applications.

India's participation in the summit

A number of Indian companies would be participating in the global event. **India is fourth largest country in terms of wind energy installation capacity** at around 33 GW after China, the US and Germany. Indian government has set a target of achieving 60 GW by 2022.

The leading wind energy companies in India are:

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Vestas India: One of the biggest wind energy companies in India and the world by some margin, Vestas began operation in India back in 1979.

Regen Powertech Pvt Ltd: The company's manufacturing plant is located in Andhra Pradesh.

Suzlon Energy Limited : The company started operations in 1995, and in just two decades of inception, it has managed to open branches in more than 30 countries worldwide.

Enercon India Pvt. Ltd: Enercon India functions in India under the banner of Wind World Ltd.

GE Wind Energy Ltd: The company is originally based in the US but has major operations going on in India.

Indowind Energy Ltd: Stationed in Chennai, the company largely deals in producing wind energy from dedicated wind farms

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Orient Green Power Ltd: Their wind farms, which are spread across in the states of Tamil Nadu, Maharashtra, Gujarat, and Andhra Pradesh are capable of utilising even the slowest of winds to produce energy.

Others include Inox Wind Ltd, Gamesa Wind Turbines Pvt Ltd and Wind World India Ltd (WWI)

Conclusion

India's population is expected to grow to 1.5 billion by 2030, according to the UN. Additionally, it is estimated that 80 million households – roughly 300 million people – have limited or no access to electricity.

Wind power capacity in the country could be ramped up to 185GW – an eight-fold increase over 15 years from 2015 – analysis by the International Renewable Energy Agency (Irena) suggests. This would require \$42 billion worth of investment before 2030.

The rapid increase in the uptake of renewables would in part be a response to the necessity of meeting a growing

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population's demand for energy and electricity, the IRENA report suggested.

Wind's projected 14% share of renewable energy by 2030 lagged behind bio fuels (62%) and solar power (16%), according to Irena's analysis. It would make up a greater proportion of India's renewable use than hydropower (7%).

Increasing renewable energy deployment could save India's economy 12 times more than its costs by the year 2030.

This would also create jobs, reduce carbon dioxide emissions and ensure cleaner air and water, with savings on health-related costs.

Furthermore, increased renewable capacity would lower the demand for coal and oil products.

Suggested Reading:

- ✓ <https://www.thehindubusinessline.com/news/world/hamburg-to-host-2018-global-wind-summit/article23998491.ece>

- ✓ <https://www.windpowermonthly.com/article/1442635/indias-wind-capacity-grow-expected>
- ✓ <https://www.jagranjosh.com/current-affairs/germany-to-host-first-edition-of-global-wind-summit-1527494484-1>
- ✓ <https://www.eletimes.com/top-10-wind-energy-companies-india>