

A VIRTUAL CONFERENCE
**O&M OF
WIND POWER**

Key Trends, Best Practices and
Emerging Solutions

October 26, 2021



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A VIRTUAL CONFERENCE

REPOWERING OF WIND TURBINES

Potential, Opportunities, Requirements
and Challenges

October 27, 2021

Supported by:



Organisers:

POWERLINE

RenewableWatch

Mission

- With around 40 GW of installed capacity, wind power has the highest share in the total renewable market in India. The after-sales and services segment for this market, therefore, offers huge opportunities for wind O&M players. The ageing of wind turbines and failure of components such as blades and gearboxes are the major drivers for the expansion of the wind O&M market.
- Wind O&M market dynamics have also been evolving continuously. For a long time, the main players were turbine OEMs and component suppliers, which were able to generate business by working with asset owners. Specialised independent service providers have now entered the wind O&M space, offering targeted services.
- The mission of this conference is to present the potential, opportunities and technology solutions for the wind O&M market in India. The conference will provide an opportunity to learn about the operational experience of wind farm operators and get updates on the developments taking place in this space. It will also present optimal technology options and ideal solutions for existing and planned projects. The event will bring together wind project developers, O&M service providers, technology companies and industry experts to share their perspectives, learnings and issues.

AGENDA/STRUCTURE

- ❖ **MARKET OVERVIEW, COST TRENDS AND OUTLOOK**
- ❖ **WIND IPP PERSPECTIVE**
- ❖ **O&M SOLUTIONS: KEY TECHNOLOGIES AND THEIR UPTAKE**
- ❖ **ROLE OF AUTOMATION AND DIGITALISATION**
- ❖ **ROLE OF PREDICTIVE MAINTENANCE**
- ❖ **CASE STUDY: APPLICATION OF DRONES AND ROBOTS**

Target Audience

- The conference is targeted at officials and managers from:
 - IPP's / Wind power developers
 - Turbine manufacturers
 - O&M companies
 - Regulatory and other government agencies
 - Other service providers
 - Equipment manufacturers
 - Automation and digitalisation technology providers
 - Other technology providers
 - Drones and robotic solution providers
 - Consultants
 - R&D and certification agencies
 - Etc.

Mission

- Roughly a quarter of India's 40 GW of installed wind capacity was commissioned with wind turbine sizes of less than 1 MW. Most of these older and smaller turbines occupy the top wind sites, underleveraging the country's leading renewable energy resource. Sites with high wind power density are now limited - the majority are located in the states of Tamil Nadu and Gujarat.
- Wind turbine repowering is, therefore, emerging as a big opportunity. Advancements in wind turbine technology in the last decade with improved rotor diameters, turbine sizes and pole lengths (hub heights) have made the case for repowering even stronger. They may also help increase the pace of wind capacity addition, which has been slow for the last four years.
- The mission of this conference is to understand the true potential of repowering, and explore the issues that impact repowering decisions. The conference will bring together policymakers, regulators, discoms, wind IPPs, investors and technology providers to discuss what is needed to facilitate wind turbine repowering in India.

AGENDA/STRUCTURE

- ❖ **MARKET TRENDS, ISSUES AND POTENTIAL**
- ❖ **WIND DEVELOPER PERSPECTIVE**
- ❖ **POLICY UPDATE**
- ❖ **REGULATORY CONSTRAINTS**
- ❖ **DISCOM PERSPECTIVE: TARIFF REDETERMINATION**
- ❖ **FINANCING NEEDS AND COST-BENEFIT ANALYSIS**
- ❖ **GRID CONNECTIVITY AND TRANSMISSION REQUIREMENTS**

Target Audience

- The conference is targeted at officials and managers from:
 - Wind power developers
 - Wind turbine manufacturers
 - Government and policy makers
 - Technology providers
 - Engineering and design organisations
 - Other equipment manufacturers
 - Power distribution and transmission companies
 - State-level implementation agencies
 - Project developers
 - Asset management companies
 - Renewable energy development agencies
 - Consultants, etc.

Previous participants

The participating organisations in our previous conferences on the wind sector include: ABB, ABPS Infrastructure, Aditya Birla Management Corporation, AF-Mercados EMI, Alar Group, Acciona Wind, Akuo Energy, Alfa Infraprop, Alfanar Energy, Altra Industrial Motion, APSPDCL, APTRANSCO, Andhra Pradesh Central Power Distribution, AVVNL, Axis Bank, Baumer, BASF, Bahwan Cybertek, Bank of Baroda, BASF India, BHEL, Bonfiglioli Transmission, Bridge To India Energy, Brokings India, CERC, CESC, Centre for Wind Energy Technology, CPRI, Chennai Petroleum Corporation, CLP Wind Farms, Continuum Wind Energy, Croda, Customized Energy Solutions, DHI, Diab Core Materials, Embassy of Norway, Embassy of Spain, Engie, Foundation for MSME Clusters (FMC), Freyssinet Menard, Fugro, Fortum, GAIL, GE India Industrial (Renewable Energy), Genpact, GERB Vibration Control Systems, GERC, Grasim Industries, Greenko Group, GETCO, GSECL, Greenko, GSEC, Gurit, Hero Future Energies, Hindustan Petroleum Corporation, ICOFP, ICRA, IESA, IL&FS Wind Power Services, IIFCL, IEX, IREDA, Indian Wind Turbine Manufacturers Association, International Seaport Dredging, Jan De Nul Group, JK Cement, JVNVL, K P Energy, Karam Chand Thapar & Bros., KPMG Advisory Services, Kshema Power and Infrastructure Company, LAP Laser, Lara Global, Larsen & Toubro, LM Wind Power Technologies, M&I Materials India, Maharashtra Energy Development Agency, Marsh India Insurance Brokers, Ministry of New and Renewable Energy (India), NAIR, National Institute of Wind Energy, Neev Fund, NIWE, Nomura, NMDC, NPTI, NSPCL, NTPC, ONGC, Orange Renewable, Owens-Corning, Piramal Capital, POSOCO, Powerica, Profec Ventus, Prudent Insurance Brokers, PTC India Financial Services, ReNew Power, Rosenberger Electronics, Rothe Erde India Private (Thyssenkrupp), SAGTA, Sany Renewable Energy Investment, Sany Wind Energy India, SB Energy, SBI Capital Markets, Schunk Metal & Carbon, Sembcorp Green Infra, Senvion India, Septett Advisory Services, Shanthi Gears, Siemens Gamesa Renewable Power, SIKA India, SITAC Management & Development, SKF India, SJVNL, SMEC, SKF, Solar Energy Corporation of India, Sprng Energy, Sterlite Power Transmission, Sudheer Infrastructure, Suzlon, Swati Energy, Swan Energy, Surya Vidyut, Suyog Urja, Suzlon Energy, Tamil Nadu Electricity Transmission Corporation, Tata Power, TEDA, THDC India, TERI, THDC, TNERC, Toyota Kirloskar Motors, Trimble Solution, UL, Unison Insurance, Ushdev International, Van Oord, Vestas, Vish Wind Infrastructure, WAPCOS, Wartsila, Wind World, Yes Bank.

What differentiates our conferences?

- The **agenda** is developed by our researchers, who track the sector round the year. It is thus **relevant** and **topical**. It is not driven by a particular organisation and does not have a particular slant.
- The **speakers** are **professionals** and **experts** involved in the sector, not a mix of ambassadors, ministers, celebrities and business owners.
- The conferences do not just comprise panels and speeches; they provide a good mix of **expert presentations** and **case histories**, and of course **panel discussions**.
- We have **representation** from **across the country**, as is the case at our physical conferences too.
- Each **stakeholder group** – **policymakers**, **developers**, **financiers**, **consultants** and **relevant NGOs** – is represented at our conferences.
- The moderators merely ask the questions. The **stars** are the **speakers** themselves.
- The **sessions begin and end on time**.
- There is adequate time for a **Q&A session** with **each speaker**. These are not “hit and run” speeches.
- The **delegates** are **professionals** who are vested in the sector, and are not just assembled through social media.
- The **participants** in each conference receive a **concise report** outlining the **key facts**, **trends** and **issues** in the sector.
- A **recap** of the conference is also made available to reinforce the key takeaways.

REGISTRATION FORM

- I would like to register for the “O&M OF WIND POWER” conference (October 26, 2021)
- I would like to register for the “REPOWERING OF WIND TURBINES” conference (October 27, 2021)
- I would like to register for **both the conferences**

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Registration Fee

Both conferences

	INR	GST@18%	Total INR	Total USD
1 Login	12,000	2,160	14,160	203
2-3 Logins	18,000	3,240	21,240	304
4-5 Logins	24,000	4,320	28,320	405
6-9 Logins	30,000	5,400	35,400	506
10-20 Logins	36,000	6,480	42,480	607

Any one conference

	INR	GST@18%	Total INR	Total USD
1 Login	7,000	1,260	8,260	116
2-3 Logins	12,000	2,160	14,160	203
4-5 Logins	17,000	3,060	20,060	287
6-9 Logins	22,000	3,960	25,960	371
10-20 Logins	27,000	4,860	31,860	456

- GST @18 per cent is applicable on the registration fee.
- Registration will be confirmed on receipt of the payment.

Sponsorship opportunities
are available

Payment Policy:

- Full payment must be received prior to the conference.
- Payments for “early bird” registrations should come in before the last date of discount. Discount offers cannot be combined with any other offer.
- Conference fees cannot be substituted for any other product or service being extended by India Infrastructure Publishing Pvt. Ltd.

Organisers

The conference is being organised by **India Infrastructure Publishing**, the leading provider of information on the infrastructure sectors through magazines, newsletters, reports and conferences. The company publishes **Renewable Watch** (a magazine that covers the entire spectrum of renewable energy), **Power Line** (India’s premier power magazine), **Power News** (a weekly newsletter), and a series of research reports including **Wind-Solar Hybrids**, **Competitive Bidding for Wind Projects**, **Waste to Energy**, and **Industrial Solar Market in India**. It also publishes the **Wind Power Directory and Yearbook**.

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