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English

## News

### **New record: 36 percent minimum load reached at the Maithon power plant in India**

From 20 to 28 July 2021, a German-Indian team coordinated by the VGB conducted flexibility test runs at the Maithon power plant. The investigations were carried out in the 525 MW unit 2 of the power plant which is situated in the state of Jharkhand and operated by Tata Power. The record value of 190 MW minimum load was achieved. Further tests with regard to load ramps and coal distribution provided further valuable input in order to derive measures for permanent flexible operation. [\[more...\]](#)

2021-08-19

### **Efficient electricity generation through wind power, even in icy temperatures**

An interdisciplinary team of experts from VERBUND, the AIT Austrian Institute of Technology, the University of Vienna and Meteotest is researching the use of intelligent rotor blade heaters in wind turbines in the joint research project SOWINDIC. These heaters are intended to ensure efficient electricity production in winter temperatures. [\[more...\]](#)

2021-06-22

### **VGB oil laboratory tests oil blends to avoid cost-intensive oil change in a hydropower plant**

The energy transition and the associated priority feed-in of renewable energy require a high degree of flexibility from conventional, plannable generation plants, which is often associated with serious problems due to the design of conventional thermal power plants (frequent load changes, start-up and shut-down, etc.). [\[more...\]](#)

2021-06-22

### **Hydropower - An indispensable part of the secure power supply in Europe**

Severe power grid disturbances on 8 January 2021 underline the importance of reserve maintenance and balancing power. Hydropower has made a significant contribution to stabilising Europe's electricity grids. [\[more...\]](#)

2021-04-20

### **White Paper SSTI - Consideration of possible effects of the operation of HVDC systems in the network on the shafts of turbo sets in power plants**

2021-02-22

The number of power-electronic actuators in the power grids in Europe and especially

in Germany will continue to increase significantly in the next few years in order to ensure the integration volatile, renewable energies and the security of supply.

[\[more...\]](#)

## **VGB PowerTech: Renewables, Increasing flexibility and digitisation as main tasks for future power supply**

2020-09-10

VGB PowerTech celebrates 100 Years of association history with White Paper "Energy is us" about future power supply. Electricity has an important role for the whole energy sector. [\[more...\]](#)

## **Better use of the digital data potential of wind turbines with WiPPeX**

2020-06-24

In order to optimize the operation of the wind power plants, the database "Wind Power Performance Data Exchange - WiPPeX" was established by VGB on the initiative of the SF "Wind". [\[more...\]](#)

## **Wind energy plant designation: Increasing efficiency with the harmonised system RDS-PP®**

2020-06-24

VGB PowerTech, the technical association of power plant operators, has developed a standard for the designation of wind power plant under the title RDS-PP® - Reference Designation System for Power Plants: Wind Power Plants. [\[more...\]](#)

## **VGB represented in various industry webinars**

As part of the VDI online event "Let's save the climate together" and at webinars of the Indo-German Energy Forum (IGEF), the VGB reported on the role of dispatchable power generation technologies in the energy system. [\[more...\]](#)

2020-06-23

## **Corona pandemic and COVID-19: Impacts on energy supply and energy industry**

The worldwide spread of the corona virus, which has been expanding since the beginning of 2020, and the associated effects continue to determine and change our lives will continue to do so for a long time to come. The COVID 19 pandemic has triggered an unprecedented global health and economic crisis. The energy sector is also affected by this crisis. [\[more...\]](#)

2020-05-14

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