Press release

Vienna, 12.06.2023

AIT SHOWS LATEST TECHNOLOGIES AND SOLUTIONS IN THE FIELD OF PHOTOVOLTAICS AND ENERGY STORAGE

From 14 to 16 June 2023, the AIT Austrian Institute of Technology will present the latest developments and services in the fields of photovoltaics and energy storage at the international trade fair Intersolar in Munich.

The AIT Austrian Institute of Technology, Austria's largest non-university research institution, will be represented again this year at Intersolar, the leading international trade fair and conference for the solar industry.

Intersolar will take place **in Munich from 14 to 16 June 2023. The** AIT exhibition will be located at **stand A5.275 in hall A5.** The AIT experts will present their latest research results and developments in the fields of photovoltaics, energy storage and hydrogen. The new research and development facility for hydrogen technologies and hybrid power plants, H2LAB, will be presented for the first time.

Current research results and development services in the fields of photovoltaics, energy storage, megawatt charging and hydrogen will be presented.

- Performance & reliability of photovoltaic modules and systems
- AI-supported performance and fault diagnosis of PV systems
- Hybrid power plants with PV, storage and hydrogen systems
- Performance evaluation and grid integration of (PV) inverters and battery energy storage systems
- Power electronics development for energy conversion using the example of the AIT Megawatt Charger with direct medium-voltage connection

"We are very pleased to be at Intersolar again this year and to present our expertise in the areas of photovoltaic module testing and validation, photovoltaic system design and quality assessment, integrated photovoltaics , megawatt charging, energy storage and material technologies for energy conversion," says Christoph Mayr, Business Manager at the AIT Center for Energy.

Customised solutions and state-of-the-art laboratory infrastructure
AIT combines more than 20 years of know-how in the field of photovoltaics with state-of-the-art laboratory infrastructure. The services offered range from innovative research, development and testing of solar cells and PV modules to PV power plants. The portfolio also includes customised AI-supported solutions for the photovoltaic sector, such as power and fault diagnostics to maximise the efficiency of PV systems. This customised offering provides a clear competitive advantage for customers in these global markets. https://www.ait.ac.at/loesungen/e-mobilityhttps://www.ait.ac.at/loesungen/photovoltaic-modules- power-plantsError**! Link reference invalid.**

AIT Center for Energy
At the AIT Center for Energy, around 270 employees are researching solutions for the sustainable energy supply of tomorrow under the leadership of Wolfgang Hribernik. The many years of experience and scientific excellence of the AIT experts as well as the high-quality laboratory infrastructure and global networking offer companies innovative and applied research services and thus a clear competitive advantage in this future market. The Center for Energy's portfolio of topics is oriented towards three central systems: sustainable public energy supply, decarbonisation of industrial processes and plants, and innovative technologies and solutions for urban resilience (buildings, cities).
More information about the centre: https://www.ait.ac.at/energy

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