

Sustainable PV Manufacturing

Photovoltaic technology is heading towards becoming the main pillar of the future energy supply, as cost of solar photovoltaics electricity is about to become lower than any conventional alternative. Photovoltaics (PV) is a key cornerstone technology for the transformation of our energy system. In this business area, [Fraunhofer ISE](#) specializes in research topics in four areas: Silicon Photovoltaics, III-V and Concentrator Photovoltaics, Emerging PV Technologies and PV Modules and Power Plants. With its many years of experience and its state-of-the-art laboratories and equipment, Fraunhofer ISE is ideally positioned to provide expert R&D services and continue its advances in the field of photovoltaics in the future.

- [Silicon Photovoltaics](#)
- [III-V and Concentrator Photovoltaics](#)
- [Perovskite and Organic Photovoltaics](#)
- [Photovoltaic Modules and Power Plants](#)

For 40 years, [Fraunhofer ISE](#) has made an important contribution to increasing the efficiency of solar cells and the reliability of PV modules and power plants, as well as further developing sustainable and cost-effective production processes for cells and modules. It is a research partner for the solar industry along the entire PV value chain.

Fraunhofer ISE Support Throughout Project Development Phases of PV Mfg.



Fraunhofer is one of the world's largest applied R&D organizations, with nearly 80 research units in all sectors of industry, 30000 employees and an annual outlay of Euros 2.9 billion. Of this sum, 2.4 billion euros is generated through contract research. Our global footprint is very strong, with offices and research centers in the Europe, USA and Asia. Some of our renowned innovations are the MP3 format, the white LED, the smallest of cameras. Fraunhofer covers the entire spectrum of energy (Renewables, Storage, E-Mobility, Grid, Hydrogen...) across the value chain from materials to testing and certification. Fraunhofer has been active in India since the past several years, bringing innovative technologies and research competence to India. Fraunhofer in India is the chosen R&D and innovation technology partner of some of the major players in the field of Energy, Environment, Automotive, Electro-mobility, Materials, Production Technology and Smart Cities working with Industry, Government and Public Sector.

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Kindly get in touch with us if you are interested in this technology or require further information.
Thanks and Regards,

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