Netherlands solar energy research and development

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Industry: Compoform, Energyra, Exasun, HyET Solar, IM Efficiency, Lightyear Layer, MCPV, Solarge, TaylorResearch: TNO, NWO-Institute AMOLF, Universities of Amsterdam, Delft, Eindhoven, Groningen, Twente, UtrechtHuman capital: Universities of Applied Sciences of Amsterdam, Hanze, Saxion, Zuyd

Energy from sunlight (solar PV) plays a key role in the transition to renewable energy. Worldwide, solar PV is growing rapidly and the capacity in the Netherlands is increasing sharply. SolarNL focuses on the development and industrialization of new solar PV technologies and ensures the development of the next generation of fully circular solar panels.

SolarNL is executed by theSolarNL consortium consisting of nine Dutch SolarPV companies, six universities, NWO-Institute AMOLF, TNO and four universities of applied sciences.

What happens after NWO has awarded your research proposal? We will take you through the various steps of the project phases: from the start of the project, through its duration and completion.

The Dutch Research Council (NWO) funds top researchers, steers the course of Dutch science by means of research programmes and by managing the national knowledge infrastructure.

The Netherlands, 9 September 2024 - SolarLab, a key component of the National Growth Fund program SolarNL, is excited to announce the opening of 41 PhD positions across the country. This recruitment drive aims to attract talented, passionate researchers eager to contribute to pioneering solar energy research and support the development of a sustainable and high-tech solar industry in the Netherlands.

SolarLab, a national collaboration of leading solar energy researchers, offers a unique opportunity for PhD candidates to immerse themselves in groundbreaking research aimed at making solar energy more efficient, sustainable, and seamlessly integrated into our daily lives. As part of this dynamic research environment, the new PhD students will join a team of over 40 researchers working across the Netherlands to tackle one of the most pressing challenges of our time: the climate crisis.

“Our research is focused on the design of new solar cells, advanced solar energy materials, and innovative integration methods,” explained Prof. dr. Monica Morales-Masis, a principal investigator at SolarLab. “The results of these projects will not only contribute to fundamental renewable energy knowledge globally but will also be directly implemented in the solar energy industry here in the Netherlands.”

As part of the SolarNL program, SolarLab aims to foster a thriving ecosystem for solar energy innovation.

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PhD candidates will work on research projects in collaboration with top universities, research institutes, and leading solar technology companies. These efforts align with SolarNL’s vision to accelerate the energy transition by developing an industry for high-efficiency solar cells, flexible solar foils, and customized solar panels tailored for a variety of applications.

“By joining SolarLab, you will be part of a large, collaborative community of researchers and industry experts working towards a common goal: developing new and impactful solar technologies to meet our climate goals,” said Prof. dr. Bruno Ehler, principal investigator and program leader at SolarLab.

“We invite passionate individuals from diverse backgrounds to join us in solving the greatest challenge of our generation. Your contribution is vital,” added Bruno. “If you are excited about making a real impact on the future of energy, we encourage you to apply.”

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