



The PVExperts Project's Pioneering Mission to Power VET Education with Solar Innovation

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OVERVIEW

The PVExperts module provides essential solar energy training for VET students, covering PV, ST, and PVT technologies and entrepreneurship. The recent study visit at the University of Gävle enriched educators with practical insights from cutting-edge solar research and installations. This strengthens the module's impact across Europe.

MODULE OF THE PROJECT:

This comprehensive training module on solar energy is tailored for vocational education and training (VET) students aspiring to excel in the engineering sector. It delivers in-depth theoretical and hands-on knowledge across critical areas such as installation, maintenance, design, and evaluation of solar energy systems—including photovoltaic (PV), solar thermal (ST), and photovoltaic-thermal (PVT) technologies.

Through the program, students will gain the skills needed for real-world solar system projects by exploring key topics like safety practices, system troubleshooting, efficient site assessment, and the use of smart monitoring tools to boost performance. Further, the module incorporates entrepreneurial training, empowering future professionals not only to master technical aspects but also to develop, manage, and grow a solar installation business in the competitive renewable energy sector.

By combining technical expertise with essential business skills, this module ensures students are well-prepared to pursue rewarding careers in the fast-changing solar energy market.

SOLAR ENERGY STUDY VISIT IN SWEDEN

On April 2–3, the University of Gävle hosted an enriching international study visit as part of the PVExperts project, welcoming colleagues from across Europe. Over two inspiring days, participants explored cutting-edge Swedish innovations in solar energy and sustainable technology through engaging site visits and expert lectures.

The programme featured tours of advanced solar research facilities including the HiG Solar Lab and Uppsala University's Ångström Laboratory, visits to community and sports centers utilizing solar energy, and an industry immersion at MG Sustainable Engineering AB. A highlight was a thought-provoking lecture on solar radiation measurements and photovoltaic (PV) simulation by Prof. Björn O. Karlsson.

The visit fostered valuable knowledge exchange and strengthened partnerships across Europe, uniting diverse expertise to drive a greener, sustainable future. For clarity, PV stands for Photovoltaic, the technology that converts sunlight into electricity, while PVT (Photovoltaic Thermal) systems efficiently combine electricity generation with heat recovery, advancing solar energy solutions.



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