(1) **Internship Title:** Environmental Engineer internship
Internship focus: Life Cycle and Sustainability Assessment of Next-Generation Solar PVT Systems

About the Internship:

This internship is part of a broader initiative supporting the **European Green Deal** and several **United Nations Sustainable Development Goals** — notably **SDG 7 (Affordable and Clean Energy)**, **SDG 9 (Industry, Innovation, and Infrastructure)**, and **SDG 13 (Climate Action)**.
You will contribute to the environmental and economic evaluation of **V2 PVT (Photovoltaic-Thermal) technologies**, a new generation of hybrid solar systems that combine **electricity and heat production** to maximize renewable energy efficiency and sustainability across their entire lifecycle.

Your Mission
As an intern, you will take part in a **research-oriented and analytical project** that bridges environmental science, engineering, and sustainability economics. Your main responsibilities will include:

- **Data Collection & Analysis:** Gather and process technical, environmental, and operational data related to V2 PVT components and system configurations.
- **Life Cycle Assessment (LCA):** Conduct environmental performance assessments in line with **ISO 14040/44** standards using tools such as **OpenLCA** or **SimaPro**.
- **Life Cycle Costing (LCC):** Evaluate the economic feasibility of V2 PVT systems across their full lifecycle — from raw material extraction to end-of-life management.
- **Environmental & Economic Impact Assessment:** Quantify the sustainability and cost-effectiveness of developed technologies, integrating results into comparative analyses and policy-relevant indicators.
- **Technical Reporting:** Contribute to documentation, research summaries, and deliverables for internal R&D and potential academic dissemination.

Required Profile

- **Education:** Bachelor's or Master's student in **Environmental Engineering, Energy Engineering, Industrial Ecology, or Business with a Sustainability focus**.
- **Technical Skills:** Experience with **Life Cycle Assessment (LCA)** and **Life Cycle Costing (LCC)**; familiarity with **OpenLCA**, **SimaPro**, or equivalent tools.

- **Additional Skills:** Strong analytical thinking, data interpretation, and report writing; interest in **renewable energy systems** and **sustainable innovation**.

Learning Outcomes
This internship provides a valuable opportunity to **gain hands-on experience** in sustainable technology evaluation and research. You will:

- Develop advanced skills in **LCA, LCC, and sustainability assessment methodologies**.
- Learn to use professional **environmental analysis tools** (OpenLCA, SimaPro, etc.).
- Strengthen your understanding of **eco-design principles** and **circular economy frameworks**

in renewable energy.

- Work closely with researchers and engineers contributing to **EU-funded projects** and **sustainability-driven innovation**.
- Enhance your ability to communicate scientific and technical findings effectively.

Why Join Us?

- Contribute to the **sustainability transition** in Europe through measurable research outcomes.
- Collaborate in a **multidisciplinary and international research environment**.
- Gain **mentorship and professional development** aligned with the EU Green Vision and sustainable engineering practices.
- Opportunity to participate in **project dissemination activities** and **academic publications**.