



PHARE – Holistic Approach to Expanding Access to Renewable Energy through Training & Enterprises

Institut Européen de Coopération et de Développement (IECD)

Country Madagascar
Sector Access to Renewable Energy
Duration 01.01.2026 - 31.12.2027



PHARE creates decent employment pathways for young people by co-designing work-based training with companies and linking skills development to employment opportunities driven by investments in Madagascar's solar energy sector.

Context

Madagascar is scaling up investments in renewable energy, particularly in solar, through private-sector and institutional donor financing to expand electricity access and support socio-economic development. These investments create growing demand for skilled technicians able to install, operate and maintain solar PV systems.

However, the TVET system still faces skills gaps, limited practical training and weak collaboration with the private sector. PHARE addresses these challenges by strengthening cooperation with companies to modernise training approaches and promote work-based learning, ensuring that young people acquire job-ready skills and access employment opportunities in the renewable energy sector



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The project's OP-VET approach

- **Builds on real employment opportunities** to ensure that training aligns with current and emerging labour market demand for solar PV installers and technical sales roles in solar power plant operations.
- **Engages renewable energy companies throughout the process**, from identifying skills needs to co-designing and delivering training programmes with TVET institutions and public stakeholders.
- **Promotes work-based learning** through dual learning and real-life training sites on solar power plants, equipping young people with job-ready technical skills and connecting them to employment through a job-matching platform.
- **Strengthens TVET institutions through a Training of Trainers approach**, improving teaching capacities and updating training materials in line with industry standards.
- **Promotes gender inclusion** by adjusting entry criteria to open up training opportunities to young women, and by training teachers and company tutors in inclusive teaching practices to ensure women's retention in technical training.

Key activities

- Facilitate dialogue between companies, training institutions and public actors to identify skills needs and concrete job opportunities in the solar sector.
- Co-design and deliver on-site training with solar companies and TVET institutions to equip vulnerable youth with practical skills for solar jobs.
- Support electrified rural communities in their socio-economic development, promote the productive use of energy and strengthen the sustainability of solar plants and local employment.
- Transfer knowledge to local stakeholders to ensure that training programmes are autonomous and replicable.

Partners



Institut Européen de Coopération
et de Développement (IECD)
Lead organisation



Ministère de l'Enseignement
Technique et de la Formation
Professionnelle



Fondation Energies pour le Monde
(FONDEM)



ANKA

Why it matters

PHARE supports Madagascar in building a job-ready workforce for the growing renewable energy sector, ensuring that young people benefit from rising investments in solar energy. By aligning vocational training with labour market needs, the project equips trainees with practical skills and supports their transition into employment. Through stronger partnerships between companies and TVET institutions, PHARE expands access to decent work—especially for young women and disadvantaged rural populations—while contributing to job creation and sustainable energy access.

Expected impact

- 180** Young people employed into the solar energy sector
- 1000** Students in electricity with improved employability skills
- 70** VET teachers and company tutors in 14 partners organisations trained
- 1 000** Community members reached through capacity-building on productive use of electricity and employability skills



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Contact

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