



WELCOME TO THE 1ST AFRICAN SOLAR TECH INSTITUTE!

An academy to structure the solar industry's value chain

Africa's first solar academy has been created by Solektra International to meet the challenge of developing the use of solar power for a sustainable future throughout Africa. The Solektra Solar Academy aims to reinforce expertise in every aspect of installing and maintaining solar-powered electric systems and micro-grids, which are taking off in rural Africa. This project is being introduced in collaboration with international experts who supply training equipment and programs.

With 70% of the population aged under 35, Africa is the continent with the youngest population today. One of its biggest challenges is training and creating sustainable employment - a critical need in the context of rapid demographic growth. African youth will be the driver for innovation, creativity, change and inclusive growth if provided with the means to do so.



Building expertise

The objective of the Solar Academy is to offer training courses that meet the highest international standards to a wide range of audiences: skilled or qualified workers, senior technicians, technical team leaders, construction managers, design engineers and project managers. Proposed training sessions are focussing on the following areas

- Stand-alone photovoltaic system (for isolated sites - 'Off grid' approach);
- Grid-integrated solar photovoltaic system ('On-Grid');
- Photovoltaic hybrid system;
- Photovoltaic solar power plants (micro and mini grid);
- Photovoltaic solar pumping systems;
- Development of energy solutions for practical applications (cooling, air conditioning, etc.);
- Energy efficiency of buildings;
- Electrical safety.



Achievements to date



Sessions addressing various audiences from skilled workers to engineers



Special courses to promote solar energy to women



Participants coming from all ECOWAS countries

Creating an ecosystem

From the very beginning, Solektra International has adopted a sustainable business model - knowing that training and job creation are best ways for populations to embrace and appropriate technical solutions, while progressively becoming self-sufficient. These opportunities are open to young men and women throughout the continent, in order to improve technical skills and increase knowledge in physics and electrical sciences.

By developing a 'solar workforce' for Africa, the Solar Academy plays a critical role to achieve inclusive growth throughout the continent.

It is also about enabling the African youth to contribute to developing clean energy in Africa and unleash the continent's amazing renewable potential. By creating jobs and investing in training for young African professionals, our continent will be able to successfully build a competitive edge in that sector.