

OFF-GRID SOLAR ELECTRIFICATION FOR SCHOOL AND HEALTH FACILITY IN RWANDA

Background and Context

Access to electricity remains a critical barrier in many rural and off-grid communities in Rwanda, limiting both educational outcomes and health service delivery. Schools are unable to use modern teaching tools, and health facilities struggle to preserve medicines and operate basic diagnostic equipment. The absence of reliable power also hampers administrative efficiency and overall community development.

In response, energy Private Developers Association (EPD) seeks to implement a clean, reliable, and sustainable solar energy solution to electrify a school and health center in off-grid region of Rwanda. This initiative supports Rwanda's national goals of increasing rural electrification and promoting renewable energy.

Project Objectives

- Electrify school, to support quality education through digital learning tools and proper lighting.
- Power a local hospital, enabling refrigeration for vaccines, lighting, water pumping, and diagnostic devices.
- Reduce dependency on diesel generators, lowering operational costs and environmental impact.

Estimated Budget

The total estimated cost of the project is **USD 150,000**

This project offers a transformative, sustainable solution for education and healthcare delivery in rural Rwanda. By providing clean and reliable electricity, it will create lasting social and economic benefits, empower communities and support Rwanda's clean energy future.