



Project Developer
Wundersight Investments

Wundersight Investments is part of the global engineering firm Wundersight Group (WSG), which has designed and developed more than 150MW solar, biomass and wind energy plants globally.



wundersight
Wundersight Investments (PTY) Limited

Total Project Budget
EUR 950 000

EEP Africa Financing
EUR 500 000

Project Partners
Winno Solutions
Planeta Austero

Type
Demonstration project
Mini-grid connected

Project Code
SWA15110



Sector
Hybrid

Location
Eswatini

SOLARWOOD: HYBRID ENERGY FOR A HOSPITAL

This project will secure thermal and electric energy for a hospital in Eswatini through a hybrid solar and biomass technology. Solarwood is a containerized plug and play system that provides 0.4 MW (Tier 5) energy. The system will be installed at the 225-bed Good Shepherd Hospital in Siteki, ensuring affordable and uninterrupted access to electricity and enabling the hospital to better serve its community. The system's biomass plant will utilise wood residue from local, sustainable timber plantations and Sikel bush, an invasive species, supplied by a local conservancy. EEP Africa financing will demonstrate this innovative technology and business model, thereby lowering the risk and helping attract commercial investors.



Outcome and Impact

The project will support 2,117 MWh of clean energy per year and reduce or avoid 1,251 tonnes of CO_{2e} emissions. The project has high potential for scale-up at other hospitals by demonstrating an innovative containerized hybrid solar/biomass solution that provides reliable and affordable energy.