

HUSK POWER SYSTEMS: 5,000 COMMUNITY SOLAR GRIDS BY 2030

Photo: Husk

Husk Power Systems is an energy provider established in 2008 to serve rural communities across South Asia and Sub-Saharan Africa. The company's mission is to provide decentralized, reliable electricity by installing mini-grids that utilize a mix of sustainable energy sources including solar and waste biomass.

Husk Power delivers a low-cost, net-zero pathway to modern electricity for off-grid and weak grid communities. Centered on its community solar mini-grids, the company addresses the rural energy economy by:

- ✓ delivering 100% renewable electricity to businesses, households, schools and health clinics in off-grid and weak grid communities;
- ✓ financing the sale of energy efficient appliances for improved livelihoods;
- ✓ offering energy services that drive local economic growth such as e-mobility leasing, agro-processing, irrigation and cold chain;
- ✓ providing turnkey solar rooftop installation for rural commercial & industrial (C&I) customers.

PROGRESS WITH ENERGY COMPACTS:

Husk has more than 300 operational mini-grids and close to 1,000 km of transmission & distribution network, impacting 500,000 people, and serving more than 15,000 micro, small- and medium-sized enterprises (MSMEs). It is also avoiding 15,000 tonnes of CO₂ annually by displacing diesel generation. Since 2023, Husk has doubled its workforce to more than 1,000 full-time employees, and expects that number to grow to 2,500 by the end of 2025, with 100% of the jobs being filled by local talent from its countries of operation.

When Husk achieves its Energy Compact goal of at least 5,000 community solar mini-grids by 2030, it will positively impact tens of millions of lives across the two most climate-vulnerable continents, Africa and Asia.

Small-scale businesses and entrepreneurs, especially in the agriculture value chain, are the heart of rural economies. By switching from expensive and polluting diesel generation to solar electricity, they can overnight save more than 30% on energy costs and reinvest those savings in growth. Women entrepreneurs are also a key focus customer for Husk, which is providing both financial incentives and training to help them grow.

Husk is as much a technology company as an energy company, and has developed digital solutions that integrate AI, IoT and other smart technologies to be able to remotely and efficiently monitor and manage thousands of mini-grids. Technology innovation will aid in being able to quickly scale carbon-free mini-grids.

Universal electricity access and carbon-free energy systems like mini-grids are a natural match. Using decentralized solar to bring electricity to everyone on the planet is cost effective. For Husk Power, being part of Energy Compacts will help make mini-grids achieve their full potential.

ELECTRIFYING RURAL AFRICA

Under its “Africa Sunshot” initiative announced at the Africa Climate Summit in 2023, Husk expects to mobilize \$500 million to have 2,500 mini-grids in Nigeria and 5 other Sub-Saharan African countries within 5 years. In Nigeria, home to the world’s largest population of unelectrified people, Husk signed a groundbreaking partnership with the Rural Electrification Agency (REA) in 2024 to build 250MW of decentralized renewable energy projects, including isolated and grid interconnected mini-grids.

Husk has already benefited 50,000 people in Nigeria with its more than 40 mini-grids and expects to benefit more than 2 million when it achieves its target of 1,000 mini-grids.



Photo: A newly commissioned Husk mini-grid in India.

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A decentralized and carbon-free energy system centered on mini-grids is the only energy system that makes sense for rural communities around the world that are unserved or underserved by centralized electricity grids. Economically, environmentally, socially: mini-grids can and will scale to end energy poverty for 500 million people and end the scourge of diesel generation.

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CEO & Co-Founder, Husk Power Systems

