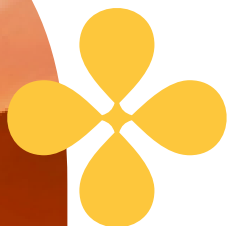




WATT MATTERS 2026

WEEKLY MEMBER SPOTLIGHTS





SVABAG LABS

📍 TELANGANA

📅 EST. 2021

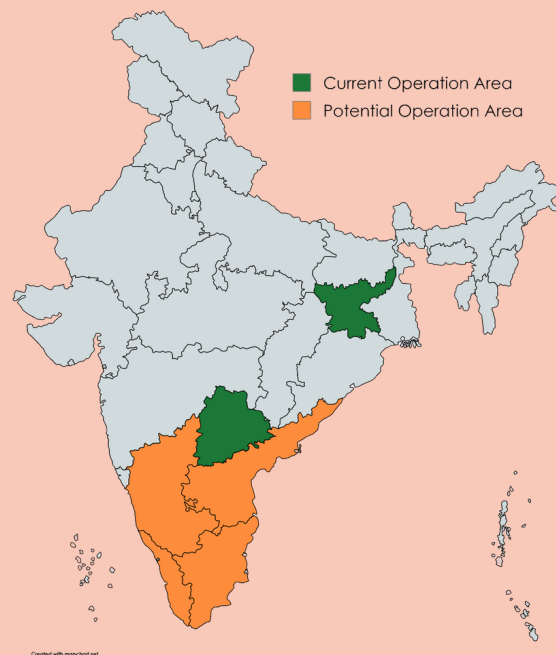
⚙️ SOLAR, EV, AGRITECH

ABOUT

The inspiration for Svabag Labs traces back to 2005, when founder Sudhakar visited a rural village during an internship. There, he witnessed the transformative impact of the Amul cooperative model, seeing firsthand how community-led enterprises could create sustainable livelihoods and drive inclusive development. At the same time, he observed the challenges faced by rural communities due to limited access to reliable electricity. Together, these experiences inspired his vision of leveraging technology to strengthen rural livelihoods while expanding access to clean, affordable energy.

This vision eventually took shape with the incorporation of Svabag Labs in 2021. Today, the company develops innovative clean energy and agritech solutions that address some of India's most pressing climate and livelihood challenges. Guided by the belief that technology can simultaneously reduce carbon emissions, strengthen rural livelihoods, and accelerate India's transition to a clean energy future, Svabag Labs is building affordable, scalable solutions across clean energy, EV infrastructure, and climate-resilient agriculture.

Current Markets	Potential Markets
Telangana, Jharkhand	Andhra Pradesh, Karnataka, Kerala, Tamil Nadu



Map. Current and Potential Markets

SOLUTIONS

Svabag Labs is developing scalable clean energy solutions that combine decentralized technologies, community-led business models, and digital innovation to accelerate the energy transition.

SvachSakthi

SvachSakthi is an off-grid, decentralized renewable energy (DRE) model that combines the rural cooperative framework with smart, portable battery storage to expand access to clean, affordable energy. Inspired by the Amul cooperative movement, the model aims to build a community-owned clean energy ecosystem for rural India.

At its core is the SvachSakthi Kendra (SSK)—a village-level clean energy franchise powered by rooftop solar systems. SSKs provide battery swapping services for electric two- and three-wheelers while enabling productive energy applications that improve rural livelihoods. To date, Svabag Labs has established 52 off-grid SvachSakthi systems—50 operated by Self-Help Groups (SHGs), one by a local business, and one by a Farmer Producer Organisation (FPO)—creating a growing network of community-led clean energy hubs across rural India.

Key features

- Battery swapping for electric two- and three-wheelers
- Supports EVs from e-Sprinto, 10 EV, and Rilox EV
- Battery swap costs approximately ₹80, offering a range of 80–120 km (up to 140 km for select models)
- Productive energy applications including micro-irrigation, agricultural operations, power backup, and post-harvest services (in the pipeline)

GreenkWh

GreenkWh is a Decentralized Physical Infrastructure Network (DePIN) for clean energy that leverages the Solana blockchain and smart IoT controllers to enable intelligent energy management, monitoring, and decentralized participation in the clean energy ecosystem.

As the exclusive R&D partner for GreenkWh, Svabag Labs is responsible for developing and advancing the technologies that power the platform, bridging decentralized energy infrastructure with next-generation digital innovation.



Chart. Business Segment Distribution

BUSINESS

Revenue Stream

Svabag Labs has built a diversified revenue model centred around clean energy services and electric mobility:

- **Energy-as-a-Service (EaaS):** Providing battery swapping, clean energy access, and decentralized energy solutions through the SvachSakthi network.
- **EV Sales:** Offering electric two- and three-wheelers suited to rural and commercial mobility needs.
- **EV Customization:** Modifying and retrofitting electric vehicles to meet customer-specific operational and business requirements.
- **Servicing & Maintenance:** Providing after-sales support, vehicle servicing, and maintenance to ensure reliable performance and long-term customer value.

IMPACT

Through the SvachSakthi model, Svabag Labs is creating measurable social, economic, and environmental impact across rural communities.

- 170 rural families benefitted
- 50 Self-Help Group (SHG) women engaged in operating SvachSakthi systems
- Local youth trained and employed to manage clean energy operations
- Up to ₹2,000 in additional monthly household income generated per participating household
- 18 tonnes of CO₂ emissions abated



Way Forward

Svabag Labs aims to scale the SvachSakthi model across India by expanding its decentralized clean energy network. To accelerate this growth, the company is seeking partnerships for infrastructure, skilled manpower, financing, and CSR support. Its long-term vision is to become the "Amul of Clean Energy" by building a community-owned clean energy ecosystem.



Alignment with SDG Goals



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