

IEEE Foundation



IEEE Smart Village



About IEEE Smart Village

Our Mission

IEEE Smart Village empowers off-grid communities through education and the creation of sustainable, affordable, locally owned entrepreneurial energy businesses.

Our Vision

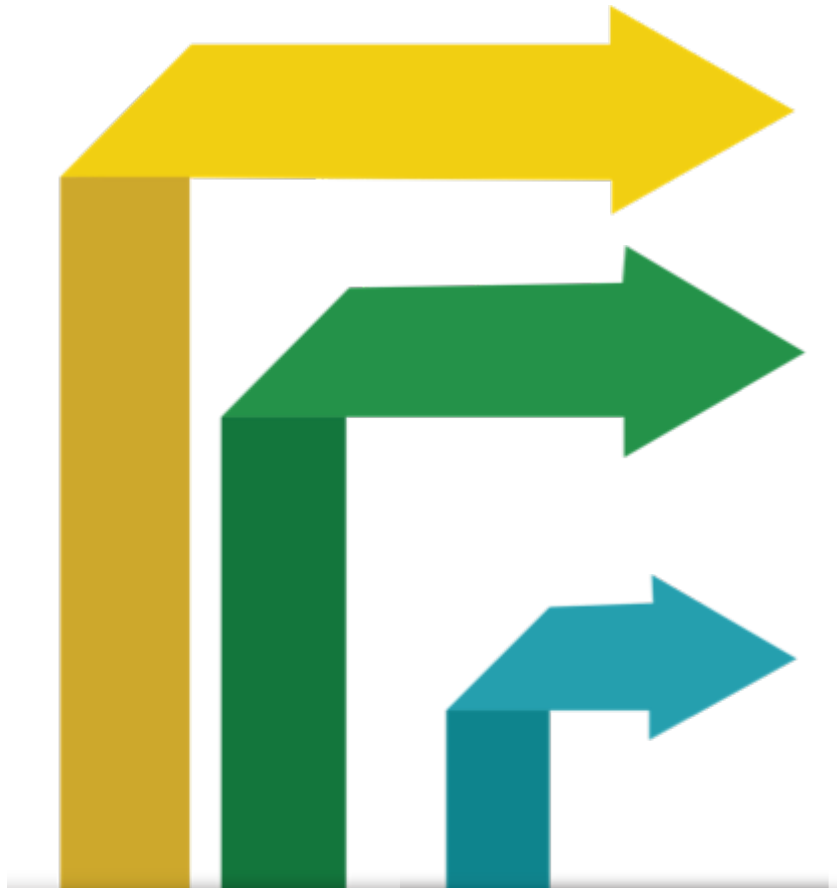
To bring basic electrical and educational services to more than 50 million people by 2025.



Definition: *Empowerment*

- **Empowerment** means capable of self-determination
- Only through **community** buy-in *at the conceptual design* stage and their voices heard can any sustainable program succeed
- Technical solutions alone are useless without the groundwork of community partnership **development** ~ 1-2 years in advance
- IEEE Smart Village is dedicated to holistic community **sustainable** development by partnering with like-minded communities, NGOs, businesses and IEEE volunteers
- **Solutions** adapted to communities, not “one size fits all”
- IEEE products and designs are IEEE Open Source, non-proprietary, available to cooperating **partners**

Our Approach



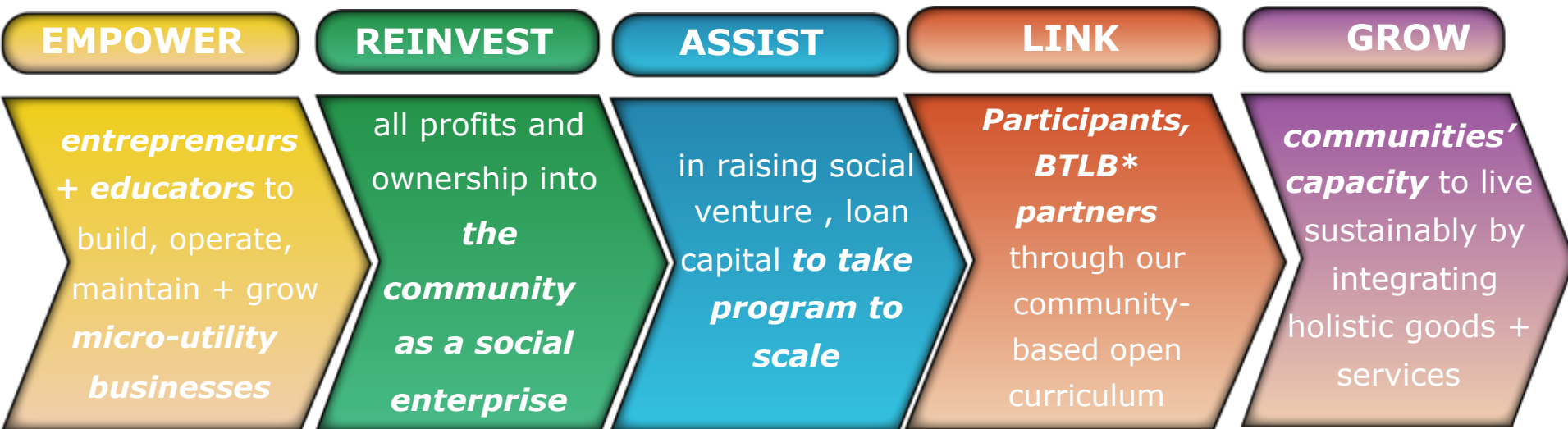
Problem: Nearly 1.4 billion people around the world today reportedly live without access to reliable electricity, many with no access at all

Solution: Partner with communities to bring electricity and cultivate education in communities with our scalable self-sustaining entrepreneur models

Goal: Seed 10 new in-country startups per year; cost estimated at \$2M/year; each with a goal to reach 1 million people, positively affecting at least 50 million in 10 years with community developed solutions

Our Method

IEEE Smart Village is managed and supported by volunteers and via fundraising efforts of Societies and IEEE Foundation.

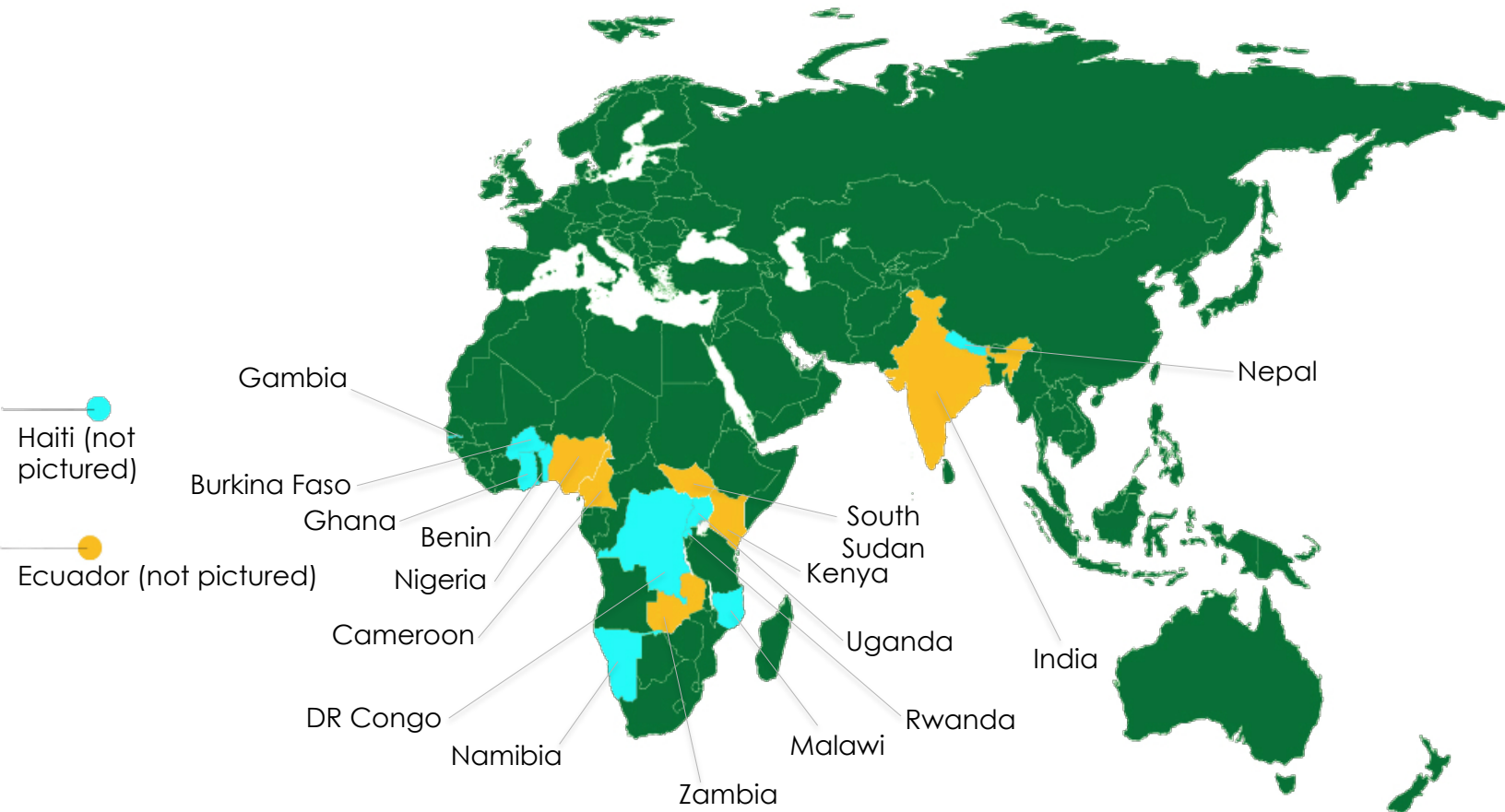


A Proven Model

Currently serving more than 50,000 people in 34 villages via pilots in Cameroon, Haiti, India, Kenya, Nigeria and South Sudan

Our Communities

The entire community participates in the success of the local electricity business that IEEE Smart Village nurtures, and profits are reinvested in community empowerment through economic development and learning.



Sustainable Technology

IEEE Smart Village Flagship Products:

modular, easy-to-install PV solar-based community charging stations

SunBlazer II

1.5kW base station, including 80-100 rechargeable battery packs for modest home lighting, with an auxiliary outlet for other AC & DC powered devices

SunBlazer LITE

500W to 1,050W base station, including 40 rechargeable battery packs & light kits

The Benefits

- Immediate deployment with no infrastructure required at the village site
- Self-sustainable business model, growth potential
- Easily implemented to meet the socio-economic conditions and needs of the village community



Community-Based Education

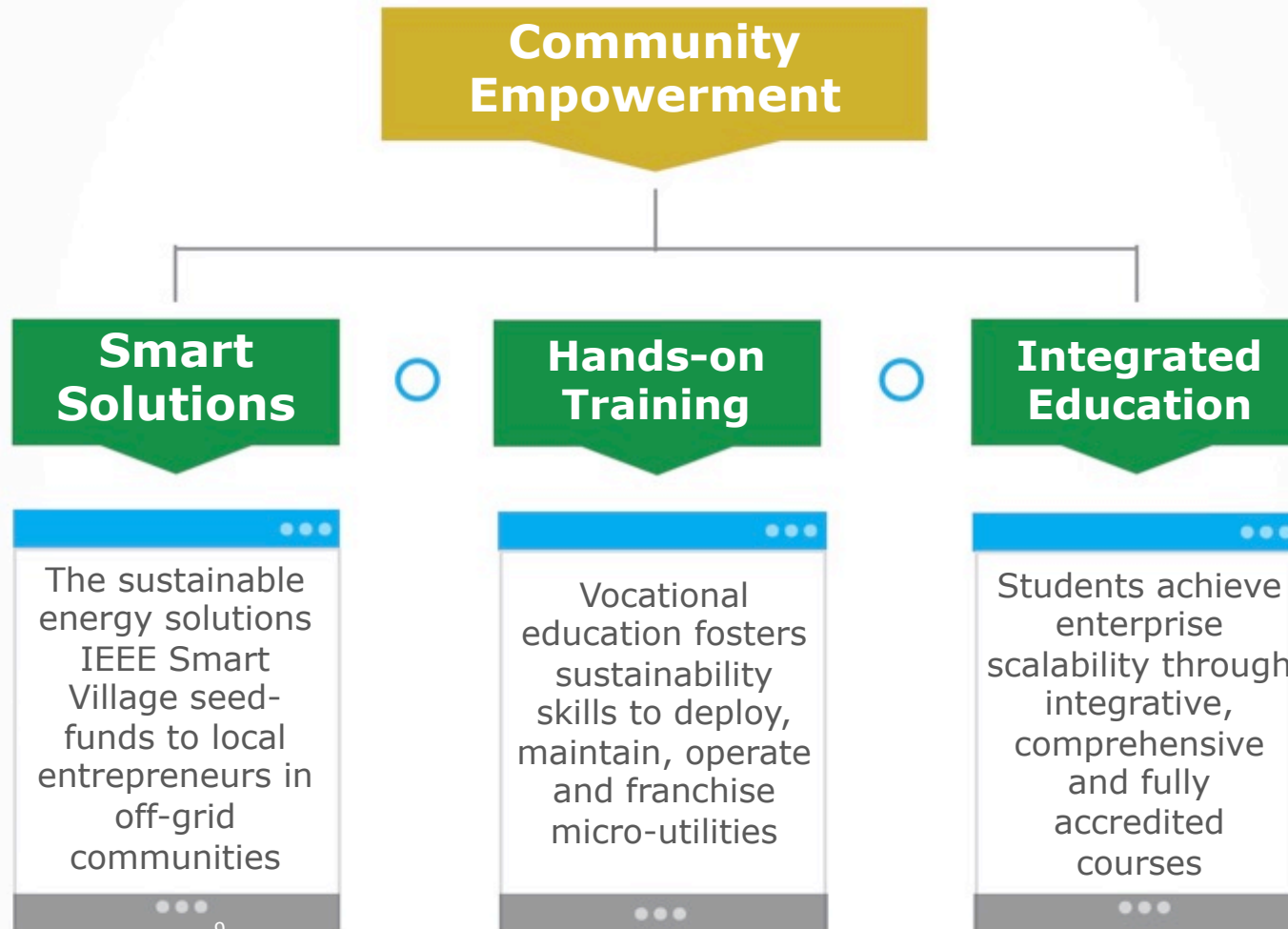
Through a unique partnership with Regis University and the [Posner Center for International Development](#) in Denver, Colorado, IEEE Smart Village offers:

- **Development Practice** degree certificate: preparing practitioners in a holistic approach to community development and humanitarian engineering, readying them to apply best practices in their communities and organizations
- **Community Entrepreneurship** vocational training, providing in-country on-site entrepreneurs with sufficient, wide-ranging knowledge to deploy, maintain and franchise an IEEE Smart Village seed-funded micro-utility

Education courses are pushed from the IEEE Global Classroom located at the Posner Center for International Development, Denver, Colorado



Our Educational Scope, Impact



Join Our Mission

VOLUNTEERS

- Help with program organization, development, implementation, fundraising and expansion of the program by committees, working groups and mentoring field implementation

AMBASSADORS

- Students and young professionals gain experience working in the field to assist village micro-utility development and deployment programs
- Corporate sponsorship opportunities to fund an ambassador for an in-country deployment or an executive volunteer

PARTNERS

- In-community leaders and entrepreneurs, multi-national NGOs, government ministries and associated programs cooperating to reach holistic community development goals for global expansion via IEEE and partner volunteers

IN-COUNTRY PROGRAMS

- Develop manufacturing, development and support of IEEE seed funded initiatives, linkages to larger community of global initiatives for maximum community empowerment

DONATE

- To accomplish our mission, IEEE Smart Village depends on the financial generosity of foundations, corporations and individual donors

Contact Us

Visit our website: www.ieee-smart-village.org

Make a donation: www.ieeefoundation.org/smart-village



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<https://youtu.be/H2VpQIitkao>

IEEE Foundation

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Donate

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"It's impossible to convey in words just how important IEEE Smart Village is. It is a very exciting initiative that is changing a lot of lives. In South Sudan electricity is a new phenomenon and having access to it is quite transforming."

Mou Riiny, IEEE Smart Village Project Manager and Electrical Engineer