

Dear IEEE Reliability Society (RS) members:

Have you heard about the IEEE Smart Village program? Did you know RS members provide volunteer leadership and financial support to IEEE Smart Village? Did you know you too can make an impact helping people with little or no access to reliable electricity?



Electrification of Remote Himalayan Village, Phugtal Monastery in India - <https://smartvillage.ieee.org/project/global-himalayan-expedition-ghe/>

IEEE Smart Village is an IEEE member and donor supported initiative which empowers underserved people in remote communities around the globe through projects that deliver its three pillars: *Renewable Energy, Education and Entrepreneurship*. These pillars mean working towards a world where every single person has access to electricity along with education for developing opportunities and providing sources of income for marginalized communities.

Each self-sustaining project works to provide communities with modern clean energy, the UN's Sustainable Development Goal SDG7, as well as other goals approached less directly. In 2020, IEEE Smart Village reached the milestone of impacting more than 400,000 people via its three-pillar approach.

They have brought many projects to life and achieved impressive results, supported by the *Energy, Education, and Entrepreneurship* pillars.

IEEE Smart Village is chaired by John Nelson, IEEE Life Fellow, who has enhanced the amazing team of volunteers from all around the



Improving Women's Health and Education in Honduras - <https://smartvillage.ieee.org/project/improving-health-education-in-honduras/>

Since 2009, 87 projects in 18 countries have been funded; all but a few are still in operation. Projects are underway in 9 countries: Cameroon, Ecuador (Galapagos), Honduras, Nigeria, Kenya, USA (the Navajo Nation), Uganda and Vietnam. These microgrid systems are powering learning institutions as well as



Villagers from Abuk, Cameroon gather as PV panels and other equipment is unloaded and electrification of the community center begins.

health centers that are key to ensuring sustainable economic recovery from the COVID-19 pandemic. Other important applications are in related sectors such as water pumping, cold chain applications, aquaculture, micro-enterprise development and most recently with telehealth in Uganda and Kenya. This incredible work is made possible by the generosity of RS volunteers and donors like you who contribute time, and talent as well as donate to the [IEEE Smart Village Fund](#) administered by IEEE Foundation.

IEEE Smart Village's teams are engaged in activities ranging from technical solutions, educational development, vocational training, and marketing to operational support.

IEEE Smart Village cannot bring its projects to life without passionate and talented volunteers and adequate funding. Both IEEE and IEEE Foundation have worked to promote advances in technology for humanity for years, motivating members to make donations that are transformed into technological programs focused on education and job creation in marginalized communities, resulting in a reduction of poverty around the globe. We are convinced that IEEE Smart Village is a fundamental program to achieve these goals.



Electrification reaches the village of Bisanti, Nigeria – 40- kilowatt peak power micro utility provides continuous power to 200 homes. <https://smartvillage.ieee.org/project/green-village-electricity-nigeria/>

I invite you to join me and become an active participant in IEEE Smart Village.

Please consider the next opportunities:

- [Subscribe](#) to the IEEE Smart Village *EMPOWER* Newsletter
- [Volunteer](#) and be part of the IEEE Smart Village Team
- [Donate](#) at https://www.ieeefoundation.org/SmartVillage_donation
- Share this notice with companies and people with a passion for creating a more equal world
- Encourage energy entrepreneurs in your geographic location to contact IEEE Smart Village about working together



Galapagos Islands project enabled solar power internet, computer lab and educational curricula: <https://smartvillage.ieee.org/project/beyond-chacay-foundation-galapagos/>

Thank you for your generosity and help!

Sincerely,

Carol Graas
IEEE Smart Village, Management Council

Cumulative Achievements –as of Dec 31, 2020

- 190 Stand-alone deployment sites
- 87 Projects in 18 countries since 2009
- 16 Active projects in 9 countries
- 6,346 PV solar panels installed producing 929.3KW
- 41.04 MWh of installed energy storage
- 62,429 Customer connections
- 187,974 Villagers currently receiving the benefits of power
- 628 New business start-ups since arrival of power
- 1.35+ Million people under transformation to receive power