

Title of case study	Provision of solar energy builds resilience of rural population
Name of organization(s)	HiNation AB
Business sector	Energy & Utilities
Region(s) relevant to case study	<input type="checkbox"/> All regions <input checked="" type="checkbox"/> Africa and the Arab States <input checked="" type="checkbox"/> Asia and the Pacific <input checked="" type="checkbox"/> Caribbean and Central America <input type="checkbox"/> Europe <input checked="" type="checkbox"/> Least Developed Countries <input type="checkbox"/> North America <input type="checkbox"/> Polar regions <input type="checkbox"/> Small Island Developing States <input checked="" type="checkbox"/> South America
Country(s) relevant to case study	Multiple
Adaptation sector(s) relevant to case study	<input type="checkbox"/> Business <input checked="" type="checkbox"/> Education and training <input type="checkbox"/> Food security, agriculture, forestry and fisheries <input checked="" type="checkbox"/> Human health <input type="checkbox"/> Oceans and coastal areas <input type="checkbox"/> Science, assessment, monitoring and early warning <input type="checkbox"/> Terrestrial ecosystems <input type="checkbox"/> Tourism <input type="checkbox"/> Transport, infrastructure and human settlements <input type="checkbox"/> Water resources <input checked="" type="checkbox"/> Other (please specify): Renewable energy
Adaptation activity	<p>In many areas in Africa, recent climate changes cause nature to act in new and unpredictable ways, disrupting important patterns of rain. Periodic periods of drought cause stress and suffering in rural communities, who often depend on farming and/or raising cattle to survive and sustain a small income.</p> <p>Using solar power is an obvious, yet underutilized source of power for rural areas. Large parts of Africa, Asia and Central/South America have limited access to electricity grids or regular power cuts - and an</p>

	<p>abundance of sunshine.</p> <p>HiNation develops high-quality solar products providing strong and safe light, combined with efficient mobile phone charging - all 100% solar powered. Using small, mobile and rugged solar solutions simplifies daily life and increases users' ability to handle the ongoing changes and irregularities. A concrete example; Maasais can now, through access to HiLight, call in advance to check whether the grazing lands are dry, instead of starting a multi-day walk, hoping for the best. Also, by improving daily life in rural areas, the speed of urbanisation is decreased.</p> <p>HiNation also participates in a project partly financed by SIDA, identifying how high-quality products can reach people currently living in energy poverty in rural areas.</p>
<p>Cost-benefit</p>	<p>HiNation HiLight provides:</p> <ul style="list-style-type: none"> - Reduced cost for light. Currently, kerosene is a costly, dirty and dangerous solution. Clean, safe light increases the number of productive hours and children can study at night. - Reduced cost for mobile phone charging. Currently, users spend lots of time and money on keeping their mobile phones charged. - Increased income from selling phone charging services to the community. - Mobile phones increase access to information and improve ability to respond in case of natural disasters. <p>Reaching larger scale creates the need for after-market and support services, which creates the opportunity for small entrepreneurial businesses locally.</p> <p>HiNation reaches low-income users with high-quality solutions through business models using microfinance, small-scale loans or rental programmes.</p>
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