



INTEGRATION
environment & energy GmbH
Bahnhofstr. 9
D-91322 Graefenberg/Germany
Tel.: ++49 (0) 9192 9959-0
Fax: ++49 (0) 9192 9959-10
e-mail: int-ee@integration.org

Contact Persons
Dr. Ulrich Frings
Mr. Ralph Pfoertner

www.integration.org



PRODUCTIVE USE OF RENEWABLE ENERGY

Clients:



INTEGRATION is a member of various national and international networks and has actively entered into many other partnerships.



Ashden Award Winner 2012



“I have always been a carpenter – but I never had electrically operated machines. INTEGRATION helped me with the selection, the installation and the operation of the machines. Of course, I bore the costs myself. Now I have a new workbench with five functions, an electric plane and a new drill. These tools allow me to take on many more orders and train more apprentices.”

Carpenter Mohammed Anwar



Services for economic co-operation and international development

INTEGRATION is a consulting organization specialising in rural electrification, renewable energy and energy efficiency, with a focus on developing countries and emerging markets. Since its establishment in 1998, the company has carried out well over 200 assignments in more than 40 countries mandated by German and international financing agencies, at the service of ministries and institutions in the partner countries.

A better life with renewable energy

Life without access to modern forms of energy often leads to a life of poverty. Those affected are forced to invest a huge amount of time and money into carrying out day to day activities. No access to electricity takes its toll on a daily basis: simple things such as having hot water mean that firewood has to be gathered often from far away. Fossil fuels and oil lamps are expensive and are a burden to household budgets. The opportunity to earn money through working is hampered. It is extremely difficult for individuals to improve their standard of living without electricity.

Decentralised rural electrification through renewable energy is the key to modernisation when locally available energy sources are put to good use. This particularly provides young people with new opportunities and improves the quality of life for everyone. Investments in power plants and distribution networks always need to be commercially viable. This can be guaranteed when there is a constant demand for energy which can also be paid for.

In the planning phase, INTEGRATION supports its partners in analysing areas of potential economic development. The supply of energy is developed in such a way that when demand for energy increases, the security of supply can be guaranteed. At the same time, the systems are designed so that they can be connected to national networks in the long run. The local economy is stimulated through the involvement of companies in the construction of the power plant which is operated locally. The population is sensitised regarding proper use of electricity while local companies are given advice on how to productively use their energy. Entrepreneurs and start-ups are supported in developing their innovations.



PURE – Productive Use of Renewable Energy

By tapping local development potential through renewable energy, INTEGRATION has achieved extraordinary success in rural electrification. As it aims to promote the productive use of renewable energy, regional development is strengthened and sustainability is fostered.

- We are committed to working together with our partners in developing tailored solutions.
- Active involvement of the local community is the key to success and leads to acceptance and understanding.
- A reliable supply of energy is essential for all companies and generates income and employment.
- The ongoing operation is a central asset under the ownership of the community.



Facilitating Development

INTEGRATION has pursued a strategy of promoting regional economic development through the use of renewable energy for many years. On this basis we developed the PURE approach, which stands for “productive use of renewable energy.” The PURE approach has been used in many projects and has been successfully implemented and continually improved upon in countries such as Mongolia, Tibet and Afghanistan. INTEGRATION employs leading experts and has gathered a wealth of experience within this field.

Sustainability is our concern. Through training, education and aid, we strengthen and empower the local population to provide secure, efficient and productive use of renewable energy. Our work has been recognised and supported in 2012 through the nomination of one of our projects for the Ashden Award (www.ashden.org). The core elements of this project were based on the PURE approach.

