

## TaTEDO-in Brief

TaTEDO is a sustainable energy development organization with more than 30 years' experience, actively involved in the development of sustainable low carbon energy systems for facilitating increased energy access for rural and urban population. The head office is based in Dar es Salaam with support centres in Dodoma and Moshi and activities in several regions, districts and villages in Tanzania.

### Our Vision

A country where all have access to sustainable energy services, while conserving the environment, creating wealth and combating climate change.

### Our Mission

To facilitate and empower stakeholders along the market system in order to unlock barriers by providing support services and fostering enabling environment for enhanced access to sustainable energy for environmental conservation, wealth creation and climate change mitigation and adaptation.

### Goals

- Improve quality of life of Tanzanians by contributing to availability of improved and sustainable energy services, employment and income generating opportunities, which are essential for poverty reduction,
- Reduce environmental degradation resulting from increased use of wood and fossil fuels,
- Assist the country to reduce dependence on imported energy.

### Objective

The overall objective of TaTEDO is to facilitate improvement of peoples' livelihoods through increased access to sustainable energy services.



*SESCOM Mini-Grids Development in Off-Grid Areas*

### Key Activities

TaTEDO has been collaborating with different stakeholders to facilitate increased access to sustainable energy services in Tanzania by developing expertise and strengthening sustainable energy access systems which include: -

- Developing and implementing participatory integrated sustainable energy assessment, planning and implementation in rural areas to assess and understand socio-economic and cultural context of targeted end-users; (demand side).
- Developing and supporting sustainable low carbon energy technologies and services market chains (strengthen supply, developing distribution networks and enhancing demand) by assessing and understanding actors, barriers, thereafter designing and undertaking interventions towards delivering energy services at different levels for different target groups.
- Developing and implementing support services (awareness raising, training for both technical and business skills, linking micro enterprises and end users with micro-finance for accessing affordable financing) and
- Fostering the enabling environment (engage national, international and local levels stakeholders-policy and decision makers; for supportive policies, strategies, regulations and tax incentives),



*Fish Frying Stove Developed by TaTEDO*

### Selected Achievements

In developing, transferring sustainable energy technologies and promoting markets, the focus has been on promoting two energy carriers and related technologies; solid biofuels and electricity. On solid biofuels, efforts have been on efficient cook stoves, briquettes and sustainable charcoal production and use methods. More than 2 million stoves have been disseminated with the support of TaTEDO and more than 1500 stoves artisans and technicians have been trained. On the other hand, on electrification, efforts have been on promoting renewable energy stand alone, pico-solar lantern; solar home systems (SHS) and mini-grids electricity access including efficient generation and utilization of efficient electrical appliances for cooking. More than 1000 solar technicians have been trained and several



*First Generation Woodfuel Cook-Stoves Developed by TaTEDO*



*Second Generation Woodfuel Cook-Stoves Developed by TaTEDO*

thousand systems sold and installed with TaTEDO's facilitation. More centres have been installed with solar PV systems and provided with modern efficient fire-wood stoves than 20 mini-grids have been developed for different stakeholders; and more than 200 social services

### Promoted Technologies

Technologies Promoted by TaTEDO

- Renewable energy mini-grids for off-grid areas
- First generation woodfuels cook-stoves
- Second generation woodfuels cook-stoves
- Solar PV Systems (Micro, Small and Institutional) , etc)
- Solar drying technologies (small and commercial )
- Sustainable charcoal production technologies by using Improved Basic Earth-mound Kiln and Half Orange Kiln
- Briquettes from Carbonized Bio-waste
- Efficient electric cooking appliances (Electric Pressure Cookers)
- E-Mobility



*Solar Drying at TaTEDO Centre*

### Implementation Approaches

Through participatory approaches, TaTEDO implements its interventions aimed at developing among others sustainable energy market systems which include

Market Chain	Supporting Services	Enabling Environment
Study and identify actors along the market chain of energy technologies	Identify and ensure the supporting services to increase and scale up access to energy services i.e. start-up grants, micro-finance.	Advocate for supportive and favorable policies on investment, financing, licensing, registrations, regulations, availability of credits.
Identify the barriers facing each actors	Capacity development through demonstration and trainings .	
Assess and understand priority needs, wants and determine link with intended energy services	Manage and disseminate awareness information	Lobby and advocate for incentives such as feed in tariffs, subsidies, tax waivers etc.
Undertake social economic cultural assessment of end users i.e. level of awareness, skills, willing and ability to pay	Link end users and energy entrepreneurs with Micro Financial Institutions for investment and working capitals.	
Develop interventions i.e. innovations, channels and networking with stakeholders		



*Village Demonstration of Electric Cooking Appliances*

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**TaTEDO is Sincerely Grateful to the Government, Development Partners and Many Other Stakeholders for their Continued Collaboration and Support to Our Efforts**



Centre for Sustainable Energy Services

## TaTEDO IN A NUTSHELL



*Cooking with Efficient Electric Pressure Cooker (EPC)*

**Committed to  
facilitating access to Sustainable  
Energy Services for all in  
Tanzania**