

TANZANIA DOMESTIC BIOGAS PROGRAMME

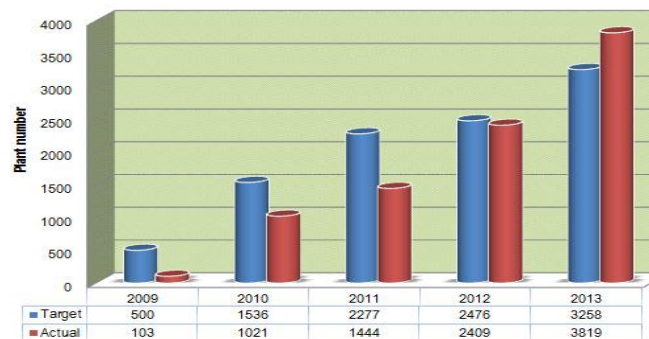
GENERAL CONTEXT

The high consumption of wood fuel contributes to deforestation and soil degradation in Tanzania. Nearly 80% of the national energy consumption is applied for domestic energy (cooking and lighting). As such, poor households spend a considerable higher share (up to 35%) of their income on domestic energy

Therefore, the goal of the biogas programme is to improve the livelihoods and quality of life of rural farmers in Tanzania through exploiting the market and non-market benefits of domestic biogas. The focus of the Programme is the development of the Biogas sector as a whole. Sector development implies the close cooperation of all relevant stakeholders (Government, Non-Government and private sector) in the sector at all levels (micro and macro) whereby those stakeholders are sufficiently equipped to fulfil the necessary functions

ACHIEVEMENTS

Biogas plants constructed from 2009 to 2013



Tanzania Domestic Biogas Programme

expected results (provisional)

Biogas plant construction **12.000** [plants]

Energy

Energy production **110.222** [MWh]

Power installed **30.799** [kW]

Environment

GHG emission reduction **60.101** [t CO₂eq]

Deforestation reduction **7.954** [ha of forest]

Soil nutrification **64.909** [t(DM) bio-slurry]

Fuel substitution

Biomass **98.952** [t biomass]

Fossil fuel **817** [t]

Socio-economic

Persons reached **72.000** [persons]

Workload reduction (women & children) **2.003** [pers years]

Exposure to indoor air pollution reduced **60.000** [women & children]

Toilets attached **2.400** [toilets]

Productive slurry use **9.600** [households]

Employment generation (direct) **840** [person years]

Training

User training **16.800** [person days]

Professional training **5.142** [person days]

SUCCESS POINTS

- Success through establishing/collaboration with other implementing partners (e.g. NGOs, Cooperatives -Savings And Credit Co-operative or SACCOs, Banks, Biogas Construction Enterprises)
- Promotion through training (construction techniques as well as business planning/marketing i.e. for the Building Construction Enterprises and other implementing partners;
- Networking the Building Construction Enterprises
- Motorcycle Loans to the Building Construction Enterprises
- Subsidy and Subsidy reduction

CONTACTS: Tanzania Domestic Biogas Programme (TDBP)

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