

JUMEME

- JUMEME is a joint venture between experienced partners for the purpose of developing and implementing a large portfolio of solar-hybrid mini-grids in rural growth centers in Tanzania in partnership with the European Union.
- With an extensive pipeline of projects, the initial phase includes 28 mini-grids, which will electrify more than 100,000 people and 2,340 shops and small businesses.
- A Strong focus on energy supply is given to the **productive use of energy** and **anchor customers**, such as telecom towers, mines and SMEs.

Company shareholder structure

RP Global - an Independent Power Producer with over twenty-five years of experience in the development and operation of renewable energy projects.

INENSUS Germany - a leading provider of services and power electronic products for decentralized electricity supply

TerraProjects Austria – a large-scale renewable energy project development, financing and consulting company

St. Augustine University of Tanzania - a secular and private institution of higher learning, providing comprehensive knowledge of legal and business management within a vast local network

JUMEME's KeyMaker Model

- **Combines the investment into mini-grids** with the development of **natural resources and value chains** available in the mini-grid area in close collaboration with the local community
- Makes use of:
 - *New opportunities brought about by reliable electricity;*
 - *Management capacities that a mini-grid operator brings to rural areas;*
 - *Logistics competence a mini-grid operator holds;*
 - *And the financial muscle a mini-grid operator holds*
- In the Islands of Lake Victoria (JUMEME's phase 1 project), JUMEME has ventured in to an Energy-Aqua Culture Nexus KMM project.

KeyMaker Case Study - Tilapia in Lake Victoria



In Tanzania, Tilapia demand is higher than supply

→ A deficit of over 400,000 tonnes annually

→ Currently, over 50% of Tilapia is imported from China

JUMEME identified an opportunity on Lk. Victoria sites

JUMEME collaborates with **Tanzanian local communities** to collect Tilapia on islands in Lake Victoria;

Fish is frozen on-site using mini-grid electricity; and delivers highest quality frozen Tilapia to the capital Dar Es Salaam.

Socio-economic benefits from the KMM

Currently: 16 permanent + 20 seasonal fishermen earn revenue from the KMM

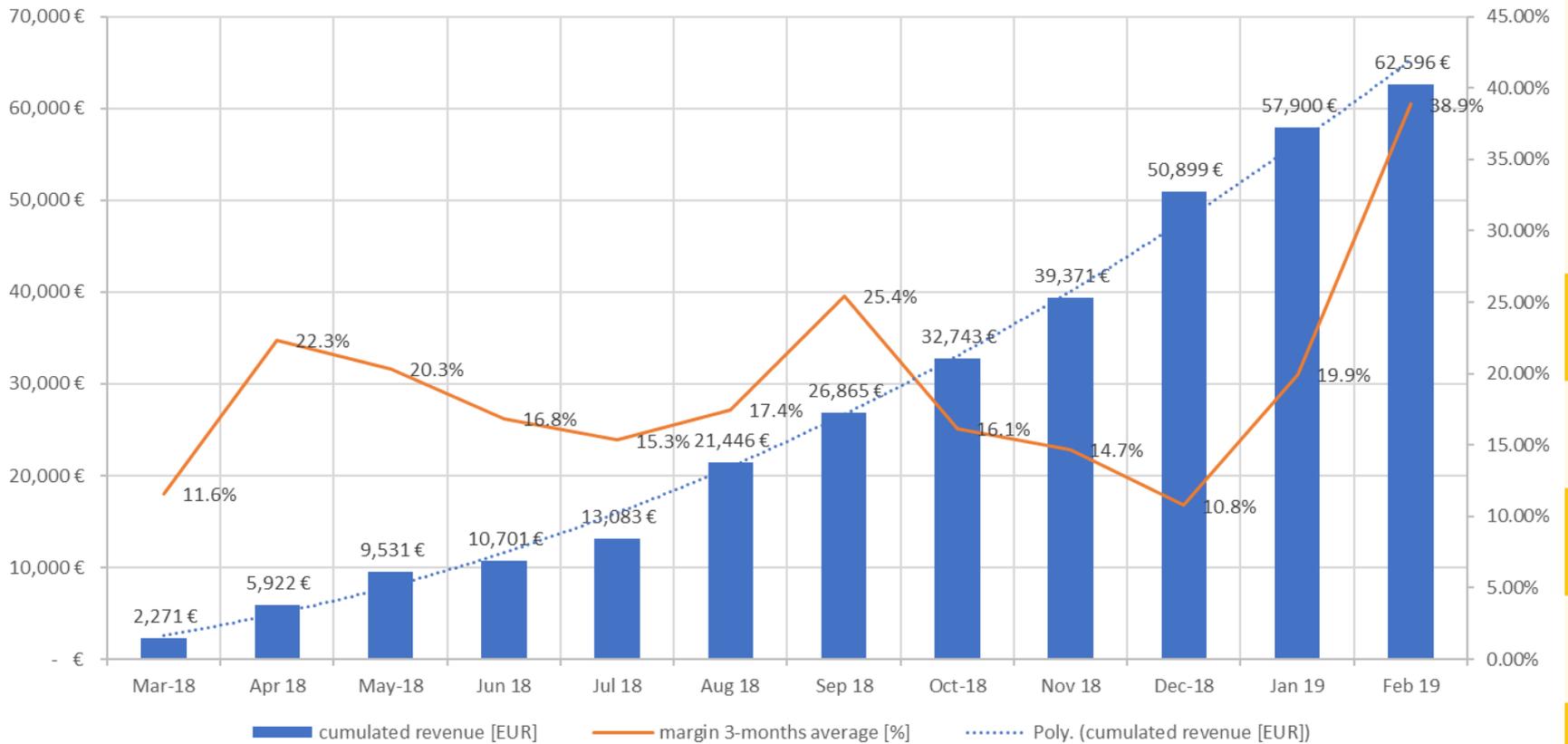
Currently: 170 people in 36 families enjoy the increased income

Currently: **TZS 72m (€30,000)** of additional cash injected into the village economy annually

July 2019: Tilapia cage farming creates local jobs for women in fish-feed processing

July 2019: Tilapia collection in 10 additional islands creates 100+ jobs for fishermen

August 2019: Start of expansion of the model to Lake Tanganyika



Next steps in KMM development

Expansion of Tilapia collection + freezing model from 1 island to 11 islands in Lake Victoria:
From 1 tonne per week to 1 tonne per day

Trial of Tilapia cage farming with local fish feed production

Expansion of the model to Lake Tanganyika

KMM trials in other value chains (beef, tomatoes, etc.)

Floating Cages- UKARA Island

