

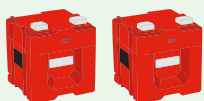
# Bobila Junior School

Bobila



## Business Details

2



Number of Powerblox

## September 2023

Date of installation

1



Number of locations

## 89.7%

Loan percentage paid back within 8 months of installation

## 89,600 ETB

Total cost paid



**CARITAS** Schweiz  
Suisse  
Svizzera  
Svizra

The Energy for Rural Start-Ups initiative, a joint venture between Caritas Switzerland and Power-Blox AG, pioneers rural electrification in Ethiopia. Utilizing Swiss-developed Powerblox (PBX) swarm battery technology, it aims to provide last-mile connections to off-grid rural households by applying a nano-grid approach, bridging gaps between solar home systems and larger mini-grids. In its first phase June 2023 - January 2024, 87 Powerblox were installed in 49 locations, empowering 14 micro-enterprises, 2 cooperatives, and 6 public institutions in rural areas of Oromia Region. With a 100% Powerblox payback rate within 10 months, the initiative demonstrates business viability and fosters economic growth, household resilience, and social inclusion. Scaling up, the aim is to install 7,000 Powerblox, electrify 100,000 households, 1,000 health centres, and empower 5,000 SMEs, supported by a sustainable financing and operation model and public institutions.

# Top appliances & revenue streams



## HOUSEHOLD ELECTRIFICATION

Providing reliable and affordable electricity to households, empowering them to power their daily lives.

Light bulbs



## MOBILE CHARGING SERVICES

Offering convenient and accessible mobile charging solutions, catering to the growing demand for mobile connectivity.

Charging station

## Key Achievements

**500 ETB**  
8.7 USD

Average weekly energy savings

**310**

Total number of students benefitting from the service

Bobila Junior School has significantly benefited from its provision of household electrification and mobile charging services, ensuring that both teachers and students have access to essential resources for teaching and learning. These facilities not only support the daily operations of the school but also contribute to the professional development of teachers, enhancing their ability to deliver quality education. Furthermore, the impact of electrification on Adult Education during the evening hours has been profound at Bobila Junior School.

This initiative leverages the provided facilities, such as electricity and mobile charging, to facilitate adult education programs during evenings. This not only extends the use of school infrastructure beyond regular hours but also provides opportunities for lifelong learning and skill development within the community.

## Join the effort

Partner with us to revolutionize rural electrification in Ethiopia. Learn more about our initiative and impact and discover how to get involved on our website today.



\*The PBX are currently 50% subsidized to support the pilot phase and simulate the landing price during commercial scaling.



POWERBLOX



AFRICA  
GREENTEC



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Swiss Agency for Development  
and Cooperation SDC