

RESEARCH AND DEVELOPMENT FUND PROJECT SPOTLIGHT

BBOXX

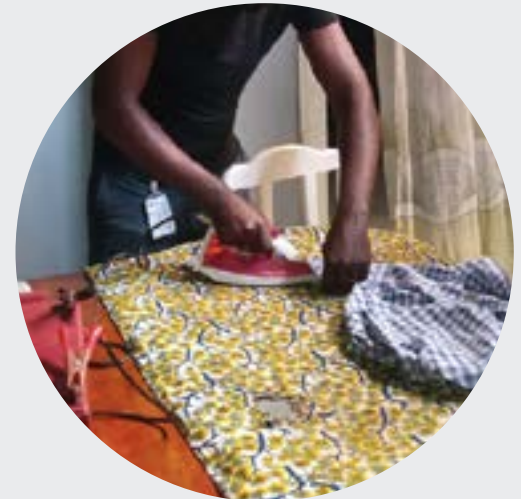
AN EFFICIENT AND SAFE IRON FOR THE OFF-GRID MARKET

This project will develop a safe and efficient DC iron that can be used with solar home systems in off-grid and weak-grid areas.

For many populations living in off-grid or weak-grid locations, ironing clothes is of high importance. Neat, ironed clothing allows people to work in professional environments, and is viewed as important to dignity in many places. Current ironing solutions can be a harmful, often unsafe, and energy inefficient. Women and children are particularly affected by the lack of reliable and efficient clothing irons as they take on a large burden of the associated work.

Despite this need, very few solar home system providers currently offer an iron. In most off-grid regions, people depend on charcoal irons that are dangerous, expensive and polluting. Ironing with charcoal is also extremely time-intensive. In weak-grid areas, power outages often lead to people ironing far ahead or ironing at night, making the activity not only time-consuming but also risky.

This project is focused on developing an efficient and safe DC iron that works with solar home systems. The project will benefit women and children in particular, by reducing the risk of accidents and increasing the amount of free time they have. It will also have a positive environmental impact, and will improve the quality of life and dignity of off-grid and weak-grid populations.



AT A GLANCE

R&D Partner

BBOXX

EforA Funding

£50,000

Additional matched funding from BBOXX

£50,996

Project Location(s)

Democratic Republic of the
Congo, China

