



## LEAVE NO ONE BEHIND

### Bottom-Up Energy Transformation of Last-Mile Communities

**ABOUT US:** The SWARM Electrification Project, a pioneering initiative led by a consortium of European and African research institutions and private sector partners, aims to revolutionize clean energy access in Sub-Saharan Africa (SSA). This interdisciplinary collaboration focuses on addressing the interconnected challenges of energy, water, and food productivity through innovative and sustainable solutions.

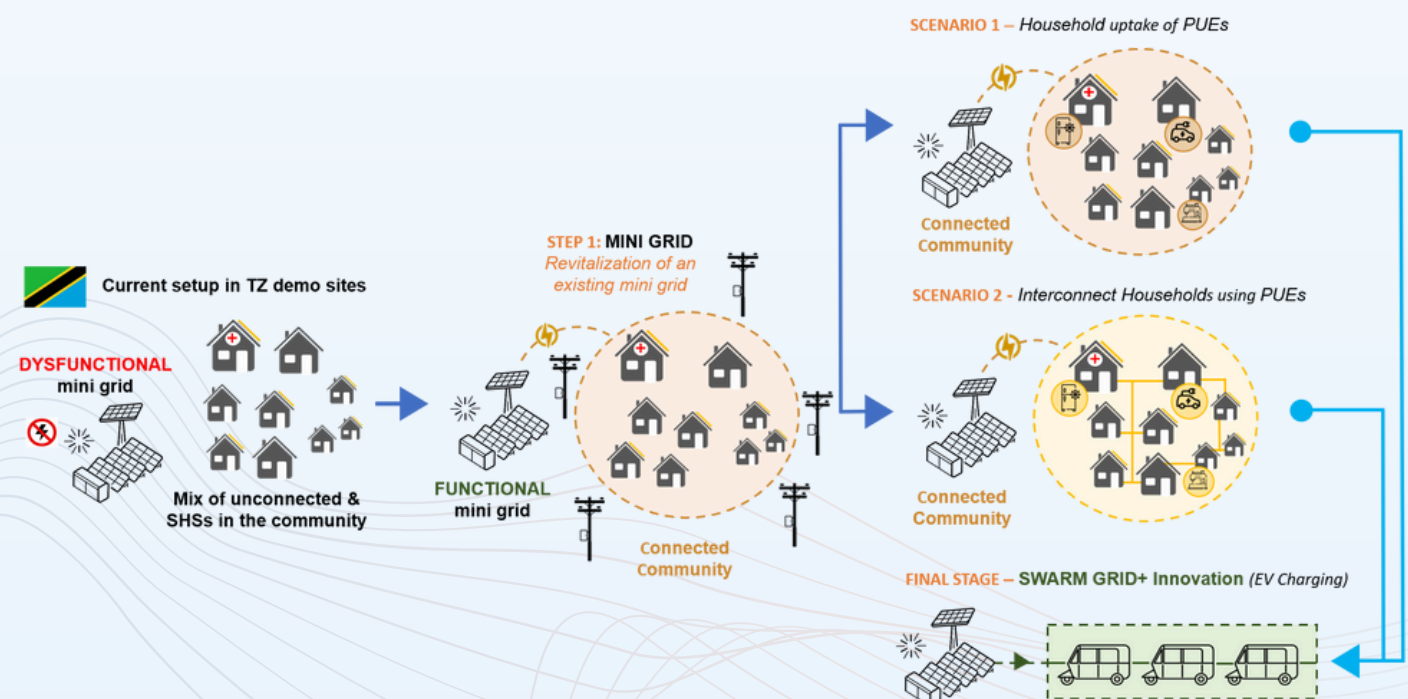
**OUR MISSION:** Our mission is to create, maintain, and scale affordable, reliable, and modern energy systems that promote sustainability and inclusivity. The SWARM Electrification model is designed to ensure that no community is left behind, fostering local energy ownership and peer-to-peer energy sharing.

**GEOGRAPHIC AREA:** The project will be implemented in **Rwanda** and **Tanzania**.

### TANZANIA PROJECT DETAILS

**THE TECHNOLOGY:** The solution is a bottom-up modular and dynamic infrastructure called SWARM electrification (SWARM-E) where a mini grid will be revitalized and households and businesses with solar home systems (SHS) will be interconnected as part of the grid extension via a low-voltage distribution grid as shown below.




**ADDITIONAL PROJECT DETAILS:** The SWARM grid+ will also demonstrate a new e-mobility solution: a pit stop charging station for light electric vehicles, two- and three-wheelers.





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