

# Piher Sensing Systems Integrates Battery Storage and Tanzanian Reforestation

Piher Sensing Systems Strengthens ESG Commitments Through BESS Implementation and Ecosystem Restoration.

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Piher Sensing Systems has reached a significant milestone in its Environmental, Social, and Governance (ESG) strategy with the successful implementation of a new Battery Energy Storage System (BESS). This project highlights a commitment to operational efficiency and global environmental restoration.

## Advancing Energy Efficiency with BESS Technology

The newly installed system provides the facility with advanced energy management capabilities. By optimizing solar generation and reducing peak demand, the technology allows for more sustainable operations.

- ▣ **Battery Power:** 440 kW
- ▣ **Storage Capacity:** 916 kWh
- ▣ **Operational Benefits:** The system charges during low-price periods and discharges when demand and prices increase, reducing grid stress and lowering contracted power costs.

## A Tree for Every Kilowatt



In collaboration with *Greenvolt Next Spain* and the *Tree-Nation* platform, Piher

Sensing Systems has contributed to the restoration of ecosystems in Africa



**Every Kilowatt Leaves a Legacy.** The reforestation efforts are part of the Plant to Stop Poverty project. This initiative helps rural communities in the Northern coastal belt of Tanzania adopt agroforestry to combat poverty and climate change effects.

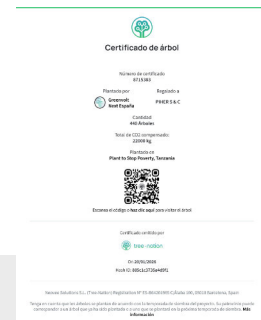
For every kilowatt of power provided by the new storage system, one tree has been planted, resulting in a total of **440 trees**.

The *Albizia schimperiana* was selected for its benefits to the local environment. This species features a flat-topped, umbrella-like crown and is native to montane forests and riverine woodlands. Beyond its CO<sub>2</sub> removal capacity—averaging **2,200 kg per year** over its lifetime—the tree provides shade and supports soil conservation in agroforestry systems.



## Project details

- ▣ **Location:** Tanga region, Tanzania.
- ▣ **Species:** *Albizia schimperiana*, also known as Schimper's albizia.
- ▣ **Total CO<sub>2</sub> Offset:** 22,000 Kg. / year
- ▣ **Tree Birthday:** January 20, 2026.



The Tanga region currently faces threats from the continuous need for timber, charcoal, and agricultural land. This project helps protect the Eastern arc mountain forests and the thousands of species that reside there.