



Source: AG Energies



Global
Disability
Innovation
Hub



Powering Renewable
Energy Opportunities



Transforming
Energy
Access

Disability-Inclusive Clean Energy Product Testing

A case study prepared under the Disability Support Service (DSS), Transforming Energy Access (TEA) platform.



The experience of engaging with persons with disabilities during the testing of our 3-wheel electric vehicle was truly impactful. It gave us deeper insight into the importance of creating inclusive and empowering mobility solutions.”

Assistant Program Coordinator, AG Energies Company Ltd

AG Energies Company Ltd, a grantee under the TEA-funded Powering Renewable Energy Opportunities (PREO) programme, in partnership with Kyaro Assistive Technology, piloted a **disability-inclusive testing, governance, and procurement system** for electric three-wheelers in Tanzania by embedding inclusive design principles and lived experiences.



Intervention

- 5 co-design and planning sessions** involving AG Energies teams, Organisations of Persons with Disabilities (OPDs), technical advisors, and implementation stakeholders.
- 1 dedicated co-design workshop** to gather lived-experience insights on usability, accessibility, and operational challenges.
- Real-world ride testing** across urban and peri-urban transport corridors.
- Development of an **‘Inclusive Three-Wheeler Evaluation and Compliance Testing Protocol Pack’** comprising eight guidance documents.
- Establishment of an **Inclusive Innovation Advisory Panel (IIAP)**, supported by a package of governance and advisory notes.



Impact

The pilot has fundamentally reshaped the way AG Energies approaches product development, risk, and scale.

- The pilot **engaged 20 persons with disabilities** across testing, co-design, and feedback activities, while also strengthening AG Energies’ collaboration with disability stakeholders.
- Lived experience feedback is now treated as critical design data**, strengthening alignment between engineering, field teams, and procurement.



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