



Macben Makenzi  
Automation and Energy Expert

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Macben Makenzi is an automation and energy engineer with over 10 years experience in industrial automation, energy audits and renewable energy projects.

He holds a bachelor's degree in Mechatronic Engineering, a Masters degree in Energy Technology and a Masters degree in Mechatronic Engineering.

During the past decade his work has focused on design, evaluation and development of techno-efficient solutions for different industrial setups. He has also led the execution of several renewable energy projects in the East Africa region. Additionally, as a Certified Energy Manager (CEM®), he implements investment grade audits for different clients.

Macben holds several industrial licenses including Solar PV T3 license and Energy audit license (Grade A) from the Energy Regulatory Commission of Kenya (ERC), Environment Impact Assessment (EIA) license from NEMA and several other international certifications.

When not engaging peers and mentoring up-coming engineers, Macben enjoys working-out, going on hikes, and exploring the world with the wife and kids.

## HIGHLIGHTS

Execution of multiple investment-grade energy audits in the tea and dairy value chains in East Africa and development of energy efficiency recommendations .

Implementation of over 80MW in Solar PV generation plant development through design and execution of feasibility studies and technical assistance.

Development and implementation of capacity building activities for women entrepreneurs, including establishment of training-of-trainers programs on Solar water pumping and irrigation.

Identification and capacity building of more than 1200 Solar PV Last Mile Entrepreneurs.

Publication of more than 10 peer-reviewed journal papers on energy and engineering aspects and capacity building tools

Licensed member of several international and regional associations including the Association of Energy Engineers(AEE), Association of Energy Professionals Eastern Africa (AEPEA), The Energy Regulatory Commission (ERC), The Engineers Board of Kenya and The National Environment Management Authority (NEMA).