

# RENEWABLE ENERGY



science & innovation

Department:  
Science and Innovation  
REPUBLIC OF SOUTH AFRICA



UJ's Process, Energy and Environmental Technology Station (UJ PEETS) was established in 2010 under the support of the University of Johannesburg. UJ PEETS is funded by the Technology Innovation Agency (TIA), an agency of the Department of Science and Innovation (DSI). Our mission is to provide technical oriented enterprise development support in the water, energy and environmental sector through appropriate technological innovation to grow South Africa's socio-economy in a sustainable manner.

A sustainable energy system benefits society, small medium enterprises and industry development. UJ PEETS offers incentives to help industry transition toward a more energy efficient innovative solution for their machinery, system analysis, process improvement, heating & cooling scheme. By upgrading process, you will see decreases in your energy consumption, which reduces your carbon footprint and lowers your electric bills. On the other side combined Energy sources Provides Energy Management and Suitability innovate services to a large industrial and SME market.

## WE SPECIALIZE IN

- Supporting commercialisation and growth of energy related clean-tech.
- Renewable Energy Conservation research
- Strategic Energy Reduction & prototype solutions
- High Energy Efficiency Product Consultations
- Power Utilities Management
- Establishing an Energy Services Expert Platform

## MEASUREMENT AND VERIFICATION

Measurement and Verification (M&V) is a standardized process used to determine energy savings. The standard process used to determine energy savings is founded on scientific and engineering techniques. This scientific and engineering foundation allows the M&V process to be applied in tasks that contain uncertainties. For example, in determining the savings from an installation of a new air-conditioner in an office space, comparing monthly bills will not give a true indication of the energy savings due to fluctuations in weather and occupants. M&V provides a method to determine the avoided energy costs from energy efficiency projects considering the changes in operating conditions.

These services are:

- To provide Measurement & Verification of energy savings for electricity utility demand side management programs, municipalities/government and private companies applying for tax incentives or where there is a need to verify and audit energy efficiency project results
- Performing energy audits to ascertain cost and energy savings
- Partaking in Energy Conservation Measures Processes
- Evaluating renewable energy technologies and emerging technologies

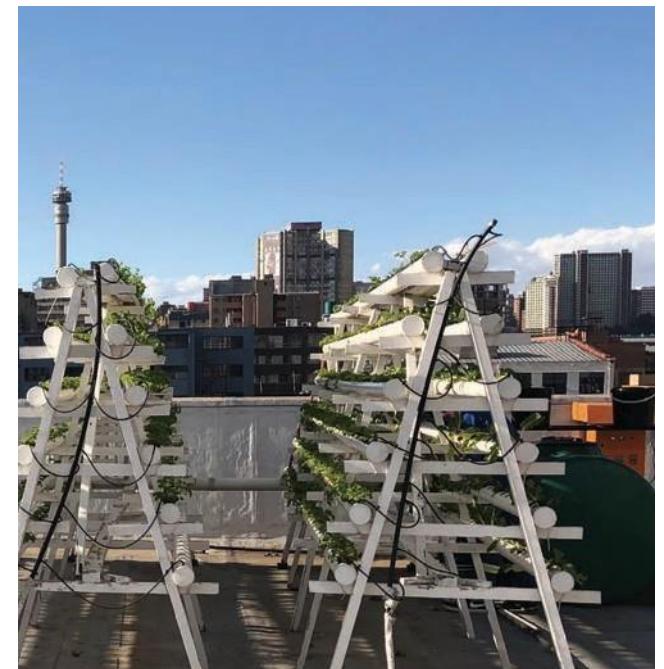
The University of Johannesburg's Measurement and Verification Team consists of Certified Energy Managers (CEM) and Certified Measurement and Verification Professionals (CMVP) who are equipped and well able to provide services that follow the International Performance Measurement and Verification Protocol (IPMVP). SA Standard: The South African National Accreditation System, ISO 50 015, SABS: SANS 50 010; SANAS and accredited to do EPC.

## CONTACT US

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## NOTE

- Pricing depends on exchange rate.
- Quotation provided on request.



Off-grid rooftop installation powers water pump for vertical garden