

## THE TEST AND TRAINING CENTRE FOR RENEWABLE ENERGY TECHNOLOGIES IN MALAWI

Since 2003 (over ten years ago), the Test and Training Centre for Renewable Energy Technologies (TCRET) offers short courses aimed at addressing the challenges affecting the diffusion and adoption of renewable energy technologies

TCRET was established by the Malawi Government through a UNDP funded project “Barrier Removal to Renewable Energy in Malawi (BARREM)”.

Since its establishment, TCRET has trained hundreds of technicians, including women, in the design, installation, troubleshooting and maintenance of photovoltaic, wind and biogas technologies.

The Centre can also deliver courses based on the needs of the requesting client. The courses are usually conducted at Mzuzu University. Where applicable practical sessions (site visits) are conducted (arranged) outside Mzuzu University.

Sometimes, it may be possible to deliver short courses at a venue identified by a requesting organisation .



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## TECHNICAL AND SOCIOECONOMIC SHORT COURSES ON RENEWABLE ENERGY

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TCRET  
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### SHORT COURSES OFFERED BY THE TEST AND TRAINING CENTRE FOR RENEWABLE ENERGY TECHNOLOGIES

	Course Title	Dates	Duration
1	Understanding Modelling Tools/ Software for Energy Systems Development	To be communicated	1 week
2	Designing Standalone Solar Photovoltaic Electric Systems	To be communicated	2 weeks
3	Designing Grid-Connected Photovoltaic and Wind Power Systems	To be communicated	2 weeks
4	Solar/Wind Hybrid Systems	To be communicated	3 weeks
5	Electrical Wiring for Standalone Solar Photovoltaic Power Systems	To be communicated	2 weeks
6	Electrical Energy Storage for Renewable Energy Systems	To be communicated	1 week
7	Designing Biogas Systems for Direct Cooking and /or Electrical Generation	To be communicated	2 weeks
8	Understanding Power Quality Parameters of the Electricity Grid	To be communicated	1 week
9	Techno-Economic Analysis of Renewable Energy Systems	To be communicated	
10	Environmental Impact Assessments for Renewable Energy Systems	To be communicated	1 week
11	Linking Renewable Energy Systems to Sustainable Livelihoods (Programme/ Project Development for Potential Funding Applications)	To be communicated	2 weeks
12	Designing For Sustainability of Renewable Energy Systems	To be communicated	1 week
13	Decision Systems for Identifying Appropriate Renewable Energy Technologies	To be communicated	1 week
14	Standards and Regulation Compliance for Renewable Energy Systems	To be communicated	1 week
15	Developing a Renewable Energy Business Plan	To be communicated	2 weeks
16	Designing Solar /Wind Water Pumping Systems for Crop Irrigation and Clean Water Supply	To be communicated	2 weeks
17	Performance Measurement, Control and Monitoring of Solar/Wind Hybrid Systems	To be communicated	1 week
18	Wind Resource Assessment and Wind Power Development	To be communicated	2 weeks
19	Hydropower Technology Development	To be communicated	3 weeks