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Long-Term Performance Assurance Strategies for Photovoltaic Modules Deployed in South Africa

Friday, 7 July 2017 10:00 (40 minutes)

South Africa has experienced an unprecedented growth in the deployment of photovoltaic (PV) systems during the last ten years. This growth can partly be attributed to the prospect of producing electricity cheaper than the local (municipality) or national (ESKOM) electricity utility supplier, thus providing a good investment vehicle for sustained high capital growth. This favourable scenario is however only possible if the photovoltaic system performs as predicted over the life-span of the system.
This presentation will describe, discuss and highlight the importance of the quality of PV modules and the important role that various module tests can play to reduce the risks associated with investments in PV systems. The various pv module tests can be divided into post-manufacturing, pre- deployment, post deployment and periodic testing during the operational lifetime of the module. The results from some of these tests will be presented and discussed to illustrate their important benefits.

Apply to be
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No

Level for award
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Yes

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