

PROJECT REFERENCE

Assignment Name: Concept and specifications for off-grid rural electrification through fee-for-service and ownership-based Solar Home Systems		Country: Namibia
Project Location: Namibia		Professional Staff provided by your Firm (Specialisation): Off-grid Energy Experts
Name of Client: Premier Electric		No of staff: 2
Address: PO Box 2158 Windhoek Namibia		No of staff months/Duration of Assignment: 2 staff month/5 month
Start Date (Month/Year): 08/2001	Completion Date (Month/Year): 02/2002	Approx value of Services (Current US\$): \$20,000
Name of Associated Consultants (if any):		No of Months of Professional Staff provided by Associated Consultants:
Name of Senior Staff Involved and Functions Performed: Detlof von Oertzen – Concept development, options paper, tender document, tender evaluation Axel Scholle – Technical standards, code of practise, pre-evaluation of product, technical tender specifications, tender evaluation		
Narrative Description of Project: Two off-grid energy provision concepts are realised solar home system technology in Namibia. One of these, the ownership-based SHS programme in operation since 1996, has achieved only limited market penetration. In 2001 an alternative concept, the fee-for-service model, was introduced to make off-grid electrification more affordable and to institutionalise maintenance services. This new approach took cognisance of the following aspects: <ul style="list-style-type: none"> • the policy framework for off-grid electrification • the requirements of energy service companies • the operating framework of the service provider • the technical requirements of systems as to ensure investment security • the optimisation of project life versus benefit. Technical specifications were drafted and the implementation of certain programme aspects was mandatory to ensure successful operation of the FFS delivery model. In 2002 the ownership based SHS programme was revised. This included improved specifications to address technical shortcomings, the streamlining of administrative procedures and a reallocation of responsibilities.		
Description of Actual Services provided by Your Staff: <ul style="list-style-type: none"> • Development of the fee-for-service concept for the Namibian off-grid market • System specifications for the ownership-based and the fee-for-service SHS systems • Investigation into the technical problems experienced with ownership SHS systems • Testing of a prototype fee-for-service system (PowerCan) • Critical feedback on essential mechanisms for the successful fee-for-service implementation 		

Firm's Name: **EMCON Consulting Group**