

JOS VAN DEN AKKER



EDUCATION

MSC ENERGY EFFICIENT BUILDING / SUSTAINABLE ENERGY SYSTEMS (SES), OXFORD BROOKES UNIVERSITY, OXFORD, UK 1998-1999

Subjects: solar PV and solar thermal. Special interest in PV applications in developing countries.

- Thesis subject: "Performance Monitoring of Solar Home Systems in Developing Countries".
- Paper presented at the SYLFF conference on Distributed Electricity Services, Cape Town, South-Africa, June 1999. Title: "Technical Standards for Solar Home Systems and the PVMTI Programme in Kenya".
- Two month field research conducted in Kenya under the umbrella of PVMTI / IT Power Ltd. Report title: "Solar Home Systems in Kenya – The Need for Technical Standards, Training and Public Awareness"

MSC AERONAUTICAL ENGINEERING, DELFT UNIVERSITY, DELFT, THE NETHERLANDS, 1980-1988

Main specialisation: aircraft materials and maintenance.

PROFESSIONAL EXPERIENCE

INSTALLATION & TRAINING SUPERVISOR FEDERATED STATES OF MICRONESIA (FSM)
OCT 2008- JULY 2009

Supervising the installation of stand-alone solar PV systems on the outer islands as well as training local technicians on the job, under an EU funded programme,

SENIOR ENGINEER PHOTOVOLTAICS SUNTECHNICS ENERGY SYSTEMS PTE LTD,
SINGAPORE, APRIL 2007- JUNE 2008

Design solar PV systems for the South-East Asia region and prepare project proposals.

PROGRAMME MANAGER / SOLAR ENGINEER AUROVILLE RENEWABLE ENERGY
(AURORE), AUROVILLE, INDIA JANUARY 2001 - AUGUST 2006

Supervised installation of a 12.5 kWp solar array, hybridized to an existing diesel power plant on Mandhoo Island in the Maldives.

- Managed the installation of 8,700 solar home lighting systems and distribution of 6,000 solar lanterns for Tata BP Solar in Ladakh, Jammu & Kashmir, under a LREDA/MNES subsidised programme. This included overall programme management, quality control and on-site inspections.
- Managed the installation of solar pumping systems in the Punjab and Tamil Nadu under an IREDA contract. This included surveying of all the sites and subsequently installing the systems, providing on-the-job training for the responsible technicians and end-users. Under this programme over 500 solar pumping systems have been installed by AURORE.
- Design, installation and maintenance of customized solar PV systems ranging from 35 Wp up to 5 kWp for clients inside and outside Auroville, as well as installation and servicing of Evacuated Tube Collector (ETC) solar water heating systems.

PROGRAMME MANAGER / ENERGY ENGINEER IT POWER INDIA PVT. LTD. PONDICHERRY,
INDIA OCT 1999- AUGUST 2000

- Managed the crash installation and maintenance programme of 1200 vaccine refrigeration systems in Bihar, India, under a WHO contract in support of the international polio eradication campaign.
- Managed the installation of 30 solar refrigeration systems in Arunachal Pradesh, India, under a UNICEF contract. This included surveying of all the sites and subsequently installing the systems, providing on-the-job training for the responsible technicians and end-users.

EMERGENCY SUPPORT PERSONNEL (ESP) LOGISTICS MANAGER OXFAM GB NOVEMBER 1996 - SEPTEMBER 1998

Activities included: procurement management, installation of communications equipment, transport and warehouse management, hiring and managing of local staff, closing down and starting up programmes and setting up new field offices during emergency situations in the following countries:

Colombia, Albania, Sierra Leone, Guinea, Zaire / DRC and Rwanda.

In addition, worked on Oxfam Logistic Handbook as well as standardisation of equipment.

LOGISTICIAN / LOGISTIC COORDINATOR MEDECINS SANS FRONTIERES (MSF) HOLLAND APRIL 1993 - JUNE 1996

Similar activities as above for Oxfam GB in the following countries:

Ethiopia, Zaire, Burundi, Uganda and South-Sudan.

CANVASSER / FIELD COORDINATOR GREENPEACE AUSTRALIA / NEW ZEALAND JANUARY 1990 - JUNE 1991

Activities included educating the general public on environmental issues, school talks, direct actions and training, as well as organising groups of canvassers.

PUBLICATIONS

Solar water pumping in the Punjab – Thinking Big

RE-Focus magazine – Nov/Dec 2002

Solar PV on Top of the World

Renewable Energy World magazine – Jan/Feb 2003

The Power of Human Unity

RE-focus magazine May/June 2004

Solar in Paradise

Renewable Energy World magazine – May/Jun 2009

ADDITIONAL DATA

Nationality: Dutch

Interests: Travel, mountain hiking, renewable energy, environmental issues.

DOB: 11 July 1962

Languages:

Dutch: mother tongue

English: fluent

French: fair

German: fair

Spanish: fair