

TOTAL YEARS OF EXPERIENCE: 25

**KEY QUALIFICATIONS:**

Electrical Power Supply Systems; Electrical Machines; PV Power Plants; Software Engineering; Measurement and Monitoring Systems; Wind and Solar Resource Assessment; Consulting and Advice; Coaching, Training and Education; Concepts and Strategies; Systems Design and Layout; Project Management; Business Development

**PROFESSIONAL REGISTRATIONS:**

**deENet e.V. - Renewable Energy Cluster**

Member (2010 – present)

**German Solar Association (BSW – Berlin)**

Enabling Solar Business Iran (co-author)

**DGS = German Solar Energy Society**

1. Chairman DGS section Kassel

**Consultant of Renewable Energy Organization Iran (SUNA)**

**Member of RECE University of Amirkabir Teheran-Iran**

**SKILLS:** \* *Electrical Engineering and design* \* *ISO 9000 certified* \* *Computer Literate* \* *Power Point Trained* \* *Project Management Trained* \* *International Business Competition* \* *Knowledgeable of Safety*

**PROFESSIONAL EXPERIENCE:**

2013 to present **IRAN**

Since 2013 I am often in Iran and teach in the field of renewable energy, the government organizations and companies. In project development and financing with German and Iranian companies. In the field of research and development of certificates of Renewable energy Components with the University of Amirkabir. Network expansion, network strengthening and control of the network. Consultant of Energy Ministry-SUNA for renewable Energies. Technology transfer from Germany to Iran.

2007 to present **Solar Sky**

**(Kassel, Germany)**

The company Solar Sky leads National and International projects.

In Germany we concentrate on projects with the government.

Solar Sky organized a solar energy project for a residential area on a Finnish island in 2008.

Solar Sky realized in 2012 the largest Worldwide PV-Noise Protection Wall in the world in Germany Bavaria/ Neumarkt with 1.22 MWp.

We have several projects with 18MWp, 2MWp, 200kWp and 50kWp realized at the German Bahn (Trail) AG.

Many projects in Afghanistan installed, among other things, solar pumps.

Some off grid Solar Power Plant in Iran.

Installs in Romania 5MWp outdoor plant near Bucharest.

Tanzania in a water project for a school realized.

2006

**Wirsol**

**(Waghäusel, Germany)**

**International Project Director**

I was responsible for all Hybrid (Solar, Wind energy, Battery, Backup System) Renewable Energy projects throughout the world with this firm. Wirth Solar is a Hybrid energy / system contractor for worldwide projects.

I managed and closed 180 MW out projects in many countries . As International Project Director my duties included:

- Preconstruction and construction meetings with Design Teams (monthly).
- Create and track project budgets and schedules of values.
- Pre-bid subcontractor qualifications and post-bid interviews.
- Project buy-out including issuing subcontract agreements and material PO's
- Facilitate weekly Owner / Architect / contractor progress meetings.
- Weekly internal reporting meetings with corporate management.
- Monthly Budget Meetings.
- Review and approve subcontractors pay application and vendor invoices.
- Prepare change requests and process change orders.
- Coordination with Architect / Design Engineers including RFI's.
- Review submittals and shop drawings.
- Off grid System in Guatemala
- Assist Superintendent (under my supervision) scheduling & supervision.
- Develop punch list and coordinate final inspection process.
- As-built drawings and project close-out.

2003 - 2006

**RWE SCHOTT Solar (The Energy Company and Producer)**

**(Alzenau, Germany)**

**Project and sales Manager / Account, Quality Control Manager (Europe, Africa, & Asia)**

I was responsible for all Hybrid Renewable Energy projects throughout the world where this firm operates. We are the largest Hybrid energy / system contractor in the world. I managed and closed out project from 100KWp to 10MWp in Spain, Italy, Germany, England, France, Morocco and many other countries.

2002 - 2003

**NAU The Environment Company**

**(Landshut, Germany)**

**Project Manager / Sales Director/ Quality Control Manager**

I was responsible for the day-to-day operation for this firm. There were 120 people working under my authority. Reviewed drawings and specifications for constructability, evaluate and prepare recommendations for changes in scope of work, lead team meetings, review consultant work, approve payments, and establish / implement an effective quality control program for compliance. We build 8 MWp in small and big Solar Energy Systems.

1998 - 2002

**SolarWorld AG - The Power Company, Producer**

**(Bonn, Germany)**

**Photovoltaic Project Manager**

Responsible for day-to-day sales, operation and development of solar projects for the RWE company (The Energy Supplier for Europe) 2.5MWp. These were the largest projects in Germany. This included subcontract negotiations, issuing subcontracts, subcontractor billing analysis, submittal review and processing, scheduling, clarifications, progress billings, change orders.

1997 - 1998

**Tyco International**

**(Frankfurt, Germany)**

**Sales / Quality Control Manager**

Responsible for alarm systems in the banking industry throughout Europe. Tyco designed alarm systems that were incorporated in banks and lending institutions. Checked installation for compliance with ISO 9000 and other certification requirements.

- 1993 - 1997      **ISET (Institute for Solar Energy Supply Technical)**      **(Kassel, Germany)**  
**Project Manager – Power Conditioning Technology**  
Responsible manager / research on the first European Hybrid (Solar, Wind, Battery & Generator System) Project. This was the first energy supply in renewable energy system in Europe. This included subcontract negotiations, issuing subcontracts, subcontractor billing analysis, submittal review and processing, scheduling, clarifications, progress billings, change orders. This research resulted in a template for all renewable energy projects throughout the world (Greece, China, Africa and Asia). New Off grid Inverter develops in ISET for SMA “Sunny Island”.
- 1989 - 1993      **Prof. Dr. – Electrical Engineer Bernd Weidman**      **(Kassel, Germany)**  
**Teaching Assistant (University of Kassel, Germany)**  
As a teaching assistant I prepared teaching assignments which included electrical experiments. I prepared the lab for these experiments which included 3 phase and transformer reactions.  
The theoretical and practical tests were prepared by me through Prof. Dr.-Ing. B. Weidemann.
- 1986 - 1989      **Phillips International, Inc.**      **(Kassel, Germany)**  
**Lab Manager / Supervisor**  
Supervised the programming Assembler cards on the PMC Plastic Machine Control 2000. These machines were, by Phillips to make plastic parts used in the car industry. My responsibility was to program these cards into Assembler language for the plant.

**EDUCATION:**      **University of Kassel/Germany**  
B. Sc. Electrical and Energy Engineering  
Dipl.-Eng. and Dr. h.C. ; honorary doctorate

**EDUCATION CONT:**  
Training in NLP, Linguistic Programming  
  
Training in Digital Technology, Phillips Inc. Int.  
  
Rhetoric Communication  
  
Sales Training in Germany, Italy, Spain, France, England, Africa, Iran and Afghanistan

- REFERENCES:**
- Prof. Dr.-Eng. Bernd Weidemann (IEE-Energy SIEMENS / Transrapide)
  - Prof. Dr.-Eng. Werner Kleinkauf (Price European Solar Energy 2006, Founder of SMA technology AG and President – Institut für Solare Energieversorgungstechnik present Fraunhofer-Institut)
  - Thomas S. Kempton, USA/California CM
  - Dr. Sadeghzadeh, President of SUNA (Renewable Energy Organization Iran) and president of Tavanir (Iranian Energy Suppliers)
  - Hans Josef Fell, President Energy Watch; Berlin – Germany and Former 15 years member of parliament Germany