



## BECOME A PARTNER

Food & Energy Projects provides jobs and education, food and energy and infrastructure where they are currently needed. Favourable climatic conditions, European technologies and the PPP with the industry, long-term reliable management of systems, secure the investments.

### Become a partner in Food & Energy projects if you are

- a cooperating partner university
- a participating community
- a project developer
- an investment partner
- a customer/vegetable wholesaler

### Information-Sessions are regularly carried out

Operated by Alensys and our professional, technical partner SUNfarming  
Address: North-West University Potchefstroom Campus, Calderbank Avenue, South Africa

- Introduction Food & Energy Training Centre
- Roadshow Food & Energy Training Centre
- Strategic partnership meeting

### For more information please contact

Mr. Markus Köhn  
Mailto: m.koehn@alensys.de  
Cell 0027 81 479 6430

Mr. Jan Botha  
Mailto: j.botha@sunfarming.co.za  
Cell 0027 82 301 0184

or visit:  
sunfarming.de/en/business-areas/food-energy-en

COORDINATOR AND PARTNERS

### COORDINATOR OF THE PROJECT:



Zum Wasserwerk 12  
15337 Erkner (near Berlin)  
Contact: Mr. Markus Köhn  
Mailto: m.koehn@alensys.de  
www.sunfarming.de

### TECHNICAL PROJECT PARTNER:

SUNfarming GmbH  
Zum Wasserwerk 12  
15337 Erkner (near Berlin)  
www.sunfarming.de



### OPERATING PROJECT PARTNER:

North-West University, South Africa  
Faculty of Engineering  
Potchefstroom Campus  
Contact: Mr. Nicholaas Faure van Schalkwyk  
Energy Research Engineer & Trainer  
Mailto: 21091129@nwu.ac.za  
www.nwu.ac.za



### CO-FINANCING PROJECT PARTNER:



DEG – Deutsche Investitions- und Entwicklungsgesellschaft mbH, Germany  
Kämmergasse 22, 50676 Köln  
Contact: Yvonne Veth  
Mailto: Yvonne.Veth@deginvest.de  
www.deginvest.de



### LOCAL PARTNER COMPANY:

SUNfarming South Africa (Pty) Ltd  
Du Plooy Street 40  
Potchefstroom  
Mr. Jan Botha  
Head of Sales  
Mailto: j.botha@sunfarming.co.za  
www.sunfarming.co.za



**FOOD & ENERGY**  
TRAINING CENTRE SOUTH AFRICA



Education + jobs + food production  
+ energy security



With our unique „Food & Energy“ project we redouble our efforts not only to ensure sustainable energy security, but also our agro-solar technologies provide sustainable food supply and support the fight against unemployment through education and jobs in resource-poor areas.





## FOOD & ENERGY

TRAINING CENTRE SOUTH AFRICA

Education + jobs + food production + energy security

(Alensys PPP project, supported by DEG on behalf of the Federal Ministry for Economic Cooperation and Development)

Based on own developments, SUNfarming and its daughter company SOLprime have designed unique agro-solar green-house substructures for their partner company Alensys.

Food & Energy projects will provide knowledge in the energy and food production and offers trainings for master trainers and students. People from different regions are trained in food production practices and are involved in the marketing of agricultural products. The project will provide qualified personnel with practical skills and basic education in agro-solar production.

As our operating South African project partner, the North-West University (NWU) in Potchefstroom, is responsible for the TRAIN-THE-TRAINER COURSES for Prof, Doc, and Master Students from the entire African continent.

This project is supported by the DEG to support Alensys by establishing a Food & Energy Training Centre for capacity building in the field of food production and renewable energy in order to accelerate the market entry in Africa.

## FOOD & ENERGY

TRAIN-THE-TRAINER COURSES

Subject area:

agricultural economics, electrical engineering, mechanics and social sciences

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### Agricultural production in solar green-houses

- Basic knowledge
- Climate-friendly agriculture

### Food & Energy technologies

- Social and economic background
- Agro-solar substructures
- Agro-solar production
- Water-saving drip irrigation

### Renewable energy with photovoltaics (PV)

- Introduction and planning of PV for green-houses
- Installation and implementing of PV

Example:

2 ha of land per MWp per year is the annual yield expected



## FOOD & ENERGY

TRAINING COURSES FOR COMMUNITIES

for formen/women in Food & Energy

- Basic knowledge of green-house production
- Planting, potting and pruning
- Cultivation, harvesting, packaging
- Fertilization and pest control
- Water-saving drip irrigation
- Sale and marketing of products from Food & Energy
- Income improvements
- Introduction into health, hygiene and nutrition
- Social and economic background, advantages and goal of Food & Energy plants



For more information about training dates and for training registration

Please visit:

[sunfarming.de/en/business-areas/food-energy-en](http://sunfarming.de/en/business-areas/food-energy-en)

or contact:

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