

# Vocational Training in Cameroon

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# Propagation of Solar Energy in Sub-Sahara Africa

## Three Step Approach

### 1. Basic Solar Technologies

- affordable
- easy to produce
- easy to use
- independent from public utilities



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- Solar ovens
  - Solar lamps and chargers
- Provided by egSolar, Altötting



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### 2. Training of staff for installation and maintenance

- provided by local institutions like MINEFOP



- supported by didactic material provided by lexSolar, Dresden



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### 3. Installation of pilot solar plants

– conceptualized by technical experts like Solar 23



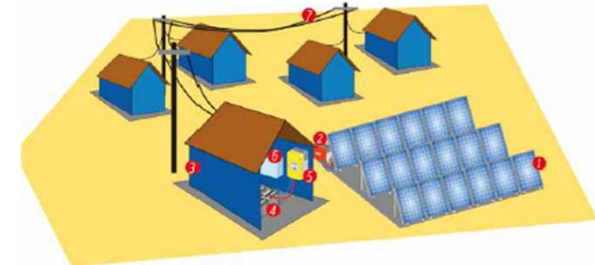
– standardized by Phaesun



#### VILLAGE POWER SUPPLY

VPS 1 [SOLAR23-36kWp]	ca. 230.000 Euro
VPS 2 [SOLAR23-100kWp]	ca. 380.000 Euro
VPS 3 [SOLAR23-1MWp]	ca. 3.500.000 Euro
Grid extension / km	ca. 12.000 Euro /km

- 1 Solar array
- 2 Grid tie inverter
- 3 Shelter / operation building
- 4 Industrial batteries (48 V DC)
- 5 Inverter charger
- 6 AC distribution board\*
- 7 AC island grid



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Vocational training is the key success factor!

- Delegation from Ministry for Employment and Vocational Training in Germany
- Supported by Albert Rupprecht, MdB  
President of the Commission on Education and Research at the German Bundestag

