

# Fact Sheet

## Project Services

Factory Acceptance Test  
Site Acceptance Test  
Technical Training  
Supervision of installation  
and Commissioning



# Factory Acceptance Test (FAT)

## Inspection and testing before the shipment

### Purpose

The Factory Acceptance Test (FAT) is part of the Phaesun quality process to check all the equipment which is included in the solar system before shipment.

### Content

- Listing of equipment
- Test of the equipment (regulation unit, array junction boxes, converters and/or inverters)
- Review of the logistics aspects (type of packing, marking)
- Conclusion and report of test (factory commissioning)

### Standard Process

#### Day 1:

- Premises visit
- Introduction to security aspects
- Review of the reference documents
- Electrical test on the regulation unit

#### Day 2:

- Counting and visual check of the equipment
- Logistics points review
- FAT closure



# Site Acceptance Test (SAT)

## Inspection and testing at the site

### Purpose

The Site Acceptance Test (SAT) is operated to make sure the system, once installed in real conditions, is operating properly.

### Content

Performance check of all components of the system after installation:

- PV array
- Regulation unit
- Array junction boxes
- Battery bank
- Converters and/or inverters

After the Site Acceptance Test (SAT), each party (Phaesun and customer) will keep a copy of the reports.



# Technical Training

Tailored training courses for the specific needs of your team

## **Our Expertise**

Phaesun can provide training courses for the specific needs of your personnel adapted to your project. Training will be performed by solar experts from Phaesun and its partners. Comprehensive training includes theoretical and practical parts.

## **Your Advantages**

The training gives an overall understanding of the components within the solar electric power system, how these interrelate and the precautions which should be taken during operation of maintenance. Certificates are handed over to all successful participants.



# Supervision of Installation and Commissioning

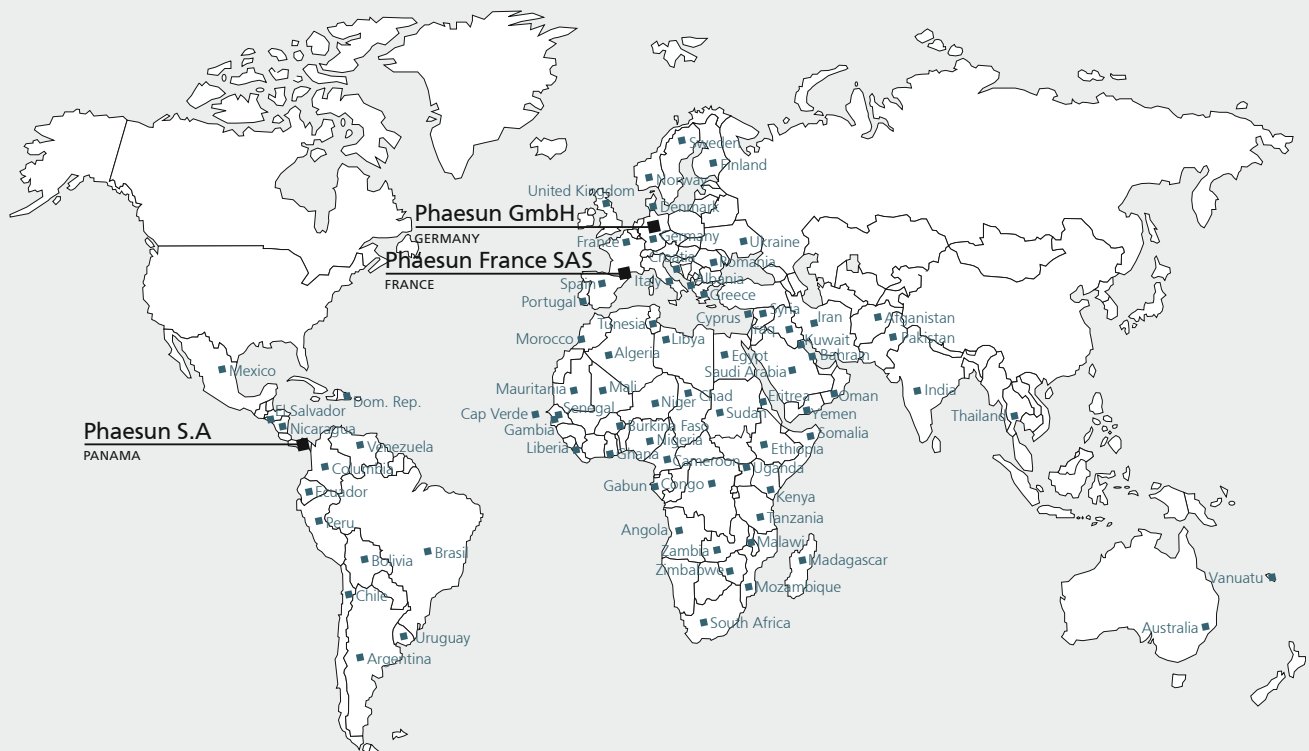
Supervision of all key elements of the installation process and commissioning of the site according to the state of the art.

- Verification of the correct arrival of the equipment
- Supervision of structure assembly and inter wiring of the solar array on the pre prepared concrete foundations
- Assembly of the battery bank and preparation for service
- Installation of the charge controller
- Inter cabling between solar array, battery bank and battery charge controller(s)
- Testing and commissioning of the solar electric power system
- Demonstration of equipment operation and maintenance requirements to customer's representatives
- Leaving the site in a clean and tidy condition





## Around the world:

Through the members of the Phaesun Group and our network of associated companies we have successfully supplied and managed hundreds of sustainable energy projects in more than 60 countries worldwide.



Phaesun's range of integrated services includes complete customized Off-Grid systems in the field of rural electrification, health care, telecommunications, education and water supply. We also have an extensive range of pre-configured kits. When designing our solar systems we always focus on ease of installation, minimal maintenance and long operating life. Systems are designed around readily available components, energy efficient loads, appliances and equipment. Local sourcing is our priority whenever it is possible.

-  Countries in which Phaesun has successfully realised projects
-  Phaesun and associated companies

**Phaesun GmbH**  
Brühlweg 9  
87700 Memmingen  
Germany

Phone +49 (8331) 990 42 0  
Fax +49 (8331) 990 42 12  
info@phaesun.com

**Phaesun France SAS**  
145, rue de la Marbrerie Boîte aux lettres n°4  
34740 Vendargues  
Frankreich

Phone +33 (0) 4 67 04 38 40  
info@phaesun.fr

Winner of:

