

## Solar references

### Who are we

[DSE group](#) (Dutch Sustainable Energy group) is founded in 2009 and started with PV solar installations in 2010. We spring from a company called Arends Techniek, who has been active in installing solar in the Netherlands for a long time. We have done many installations ranging from small residential up to large scale industrial systems. Together with our teams, we have commissioned over 2800 solar installations. In 2015-2016, we did an average of 15 solar systems per week in the Netherlands.

DSE Group is now active in Ghana. For us, it is very important to involve local people to help us doing the installation. We will make sure that our local team will be thoroughly trained by us, so they will be able to perform installations, maintenance and service. By doing so, we can assure a proper functioning of your system and support the local economy at the same time.

Below you find some reference installations of previous built solar systems in the Netherlands:



## Off grid installation in Egypt

In 2013 Ismailia Egypt we have installed a 12 KW off grid installation.



## - Solar pump system in Sinai dessert



### Pump specifications:

- Grunfos Sp pump 7 kw pump with 9kw of solarpanels
- Well depth 80 mtr.
- Production per day 140m<sup>3</sup> (average)
- Distance well to end point 1 kilometer.

**November 2016:**

**Labianca / Wegdam coldstore**  
Fishing harbor road Tema

385kWp solar system

- 1280x Trina solar 295 Perc solar panels with Fronius inverters.



Januari 2017



Sakamono Tema  
106kWp solar system

- 400 x Trina solar 265Wp poly with Fronius inverters



July 2017



Freezone Tema

545kWp solar system

- 2173x Trina solar 260Wp poly with Fronius inverters. The system is divided in 155kWp car park and 390kWp ground mount solar system.



February 2018



Yagaba, Northern region

Under contract of Dutch&Co, DSE group engineered and built 499.5 kWp solar system for IWAD.

- 1850 x Jinko 270 poly with Fronius inverters and hybrid system for genset/grid coupling.

