

## SONNENKRAFT & Partner DBMalorey create an Energy saving solution for water heating in Jersey.

SONNENKRAFT a leading worldwide supplier and designer of state of the art solar water heating solutions and certified Solar specialist Partners DBMalorey Ltd, a Jersey family owned business, based in ST.Helier, were instructed to design and build a Solar thermal solution for a residential client looking to make energy savings throughout their property.

This installation took place in 2010 with the solar design, supply and installation.

SONNENKRAFT has worked hand in hand with its partners DBMalorey Ltd in Jersey to integrate this renewable energy solution for the end user.



18m<sup>2</sup> of SONNENKRAFT SK500 Flat Plate Solar Collectors were installed, they were laid flat at 35 degrees optimising available roof space and generating greater yields due to the parabolic reflectors and 360° absorbers.

### The Installation

Our partners DBMalorey certified installers of Renewable energy worked in conjunction with SONNENKRAFT to design and integrate this system for the client's contractors.

The SONNENKRAFT Collectors were mounted on 35° on the pitched roof fixed flat to the roof on a mounting system to the correct orientation to achieve the maximum solar gain from the solar water heating panels for both heating the house with FREE solar water heating and also for the Swimming pool.

### Performance

The SONNENKRAFT System indicates it will be capable of generating a very high MWh per annum. As gas is the primary heating fuel being displaced.

### Technical Datasheet

Type of Renewable Energy: Solar Thermal	SONNENKRAFT SK500, 2.57 m <sup>2</sup> ,
Total Gross Surface Area:	18 m <sup>2</sup>

Number of collectors:	7 SONNENKRAFT Flat Plate Solar Collectors
Orientation:	South
Angle of inclination:	35 degrees