JUPITER PRESTIGE
Ltd. Ghana

PROJECT. Renewable Energy Systems

Subproject: Solar Program for Offices & Industrie

With this Program we help private Households to
Save Energy Costs as well as Government can reduce the Power Load

Project Description:	Buildings	Timeframe :	Investment	MW
Solar Installations	100	Q2 to Q4 2016	2.000.000 USD	3,0
Solar Installations	200	Q1 to Q4 2017	4.000.000 USD	6,0
Solar Installations	200	Q1 to Q4 2018	4.000.000 USD	6,0
Solar Installations	300	Q1 to Q4 2019	6.000.000 USD	9,0
Solar Installations	400	Q1 to Q4 2020	8.000.000 USD	12,0
Total Amount	1200		24.000.000 USD	36,0

Generated Jobs for Ghana with this Project (until 2020) 100

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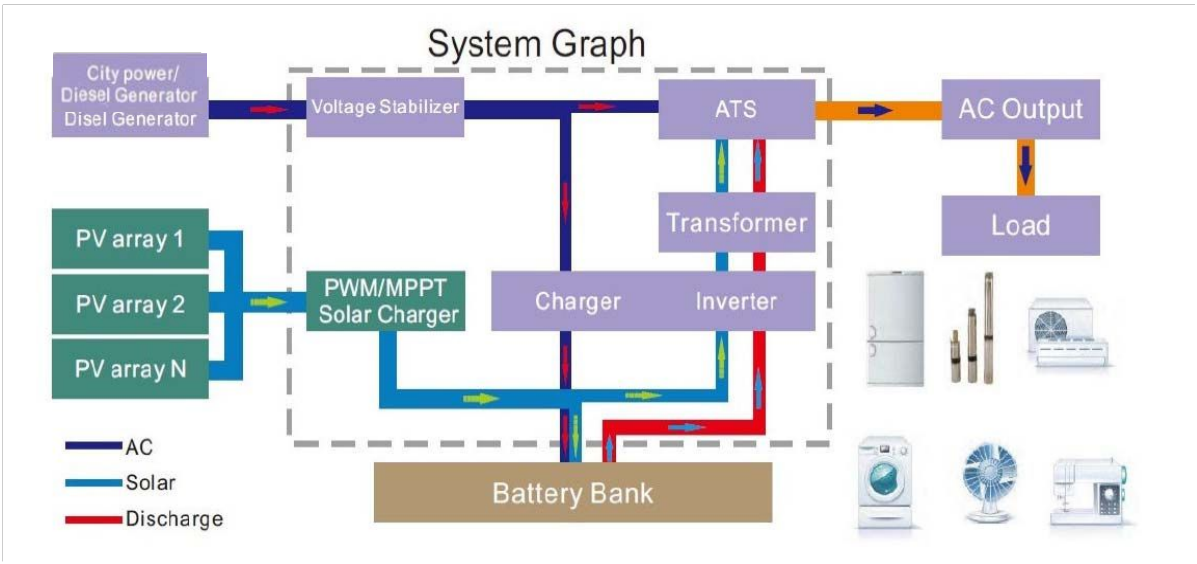
Commercial Solar PV Installation

All businesses are now expected to give a high priority to green issues and are required to play their part in reducing their carbon footprint. Installing a solar PV system makes sound business sense. Reduce your electricity consumption from the grid and generate an income. The generous government feed-in-tariff provides a 20-year guaranteed revenue stream making solar PV particularly attractive to businesses.

Diagram of the System:



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What we do:

From agricultural buildings to offices and even beauty spars Clean Energy Installations have provided commercial clients with a professional, flexible and personalised service in delivering profitable solar power solutions. Whether you are a business wishing to improve your green credentials or find an investment that delivers a substantial and guaranteed rate of return, Clean Energy Installations will be able to tailor your commercial solar PV installation to your particular needs. From enquiry to completion our experienced in-house design and installation teams are ready and willing to guide you through every aspect of your project.

Our systems can be mounted on almost any type of commercial building to help reduce the carbon footprint, deliver on-site renewable energy and provide a return on your investment. Whether you are going for ground mounted systems or making the most of your roof space Clean Energy Installations will be on hand to:

Assist in acquiring planning permission whilst making sure you are in control every step of the way. Facilitate the compliance with Energy Performance Certificate requirements and help you achieve the most efficient system possible. Supply and install a solar PV system that maximises your return on investment at a competitive price. Enable you to complete necessary applications and grid connections to obtain your Feed-in-Tariff.

A 10 kWp commercial Solar PV system could generate around 18,000 kWh per year, saving over five tonnes of CO2 and generating an income of $3.600 a year!

A 20 kWp commercial Solar PV system could generate around 36,000 kWh per year, saving over ten tonnes of CO2 and generating an income of $7.200 a year!

A 50 kWp commercial Solar PV system could generate 90,000 kWh per year, saving over twenty five tonnes of CO2 and generating an income of $18.000 a year!

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Aktive Project : Installation in Kumasi District Office Building KODIE

Comparison: Electric Power Grid vs. Solar Power System

Electric Power Grid	
Daily Consumption in KW Hours	258
Workingdays per Month	25
Monthly Consumption in KW Hours	6.450
Yearly Consumption in KW Hours	77.400
Price per KW Hour in USD	0,15
Total Cost per Year in USD	11.610
Cost per 25 Years in USD	290.250
Cost for 35 KW Diesel Generator	35.000
Total Cost per 25 Years in USD	**325.250**

Solarsystem	
Investment for 35 KW System in USD	65.150
Batteries changed 4 times	66.000
Servicecharge including Free Components per Month …. 0,1% = 65 USD	19.500
Total Cost per 25 Years in USD	**150.650**

Savings in USD	174.600