

Kasida Engineering

PROFILE

Solar and Renewable Energy Design and Consultancy.
Quality, Honesty and Transparency is always in place to our clients.

About Our Company

A Brief Story About The Company

We are an engineering Consultancy specializing in renewable energy and Eco-friendly solutions. We offer design services for all kinds of solar stations, commercial, industrial, and residential. And design services for eco-friendly houses and buildings. We support our clients through all the project stages, offer training services for companies and help them enter the solar energy market.

Vision

Be the best renewable energy company, providing affordable and high-quality energy solutions that would help the environment recover from climate change towards a better greener world.

Services

01 Design AND CONSULTANCY

We design big scale and small scale Solar Projects Plants, Hybrid Solar stations, and eco-friendly houses and buildings, and we use BIM technology to optimize your project.

02 Training

We offer training and special courses for companies crews and help the new companies in the field.

03 Commissioning

Check all drawings with wiring and test all systems components then program all devices and operate them.

Design AND CONSULTANCY

FOR BIG SCALE SOLAR PROJECT PLANT

Up to 200 MW capacity “ ON- Grid “ to connect with the main network to support generating electricity.



FOR COMMERCIAL AND INDUSTRIAL SOLAR SYSTEMS

Up to 5 MW capacity to save electricity bills and to help the environment with clean and green energy.



FOR ECO FRIENDLY HOUSES

To transfer your all home from a traditional home to a different level with a smart system, clean energy.



FOR HYBRID SOLAR STATIONS

Up to 20 MW capacity that we can use many sources without having the main network that we can use PV-Diesel Hybrid system for the industrial area or for traditional power station for cities to save fuel “70-85 % “ this the best solution for electrical suppliers.



Design AND CONSULTANCY

FOR HOME SOLAR DESIGN SOLUTIONS

To save bills with an On-Grid system or save fuel with a Hybrid system or to depends on a solar system with storage batteries we can give you the best solution depending on your needs



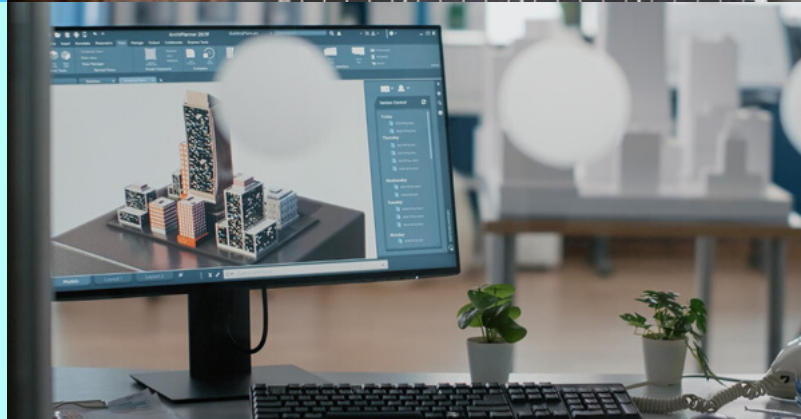
ENVIRONMENTAL FRIENDLY ARCHITECTURE DESIGN

We create Sustainable architecture designs to help our clients have the best affordable and efficient buildings in the long run.

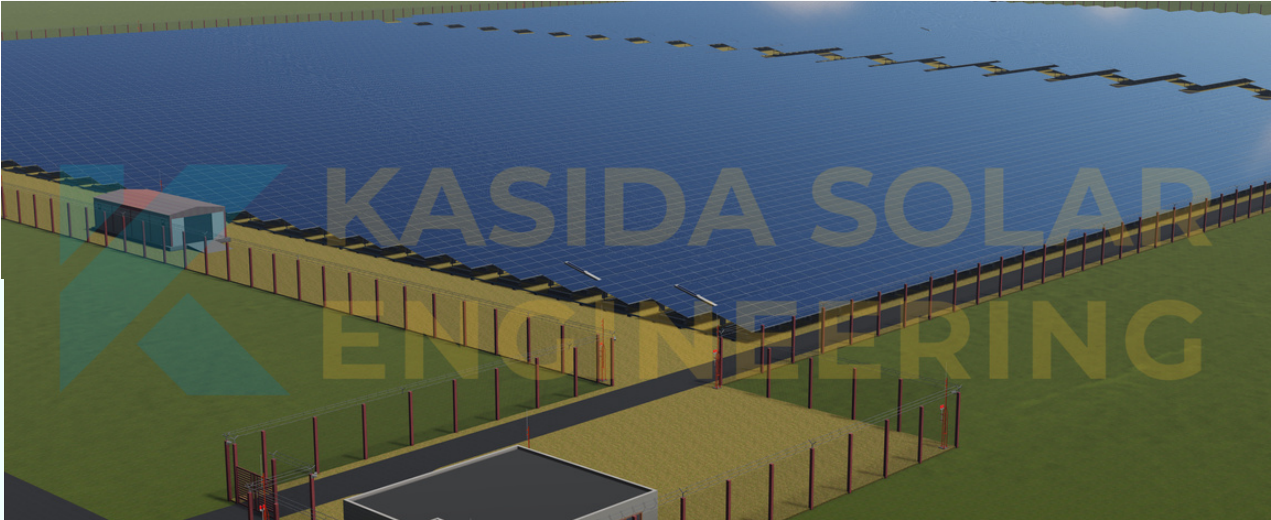


BIM SERVICES

Whether you are looking for full BIM services, more information on BIM technology, BIM migration, or you need to implement individual BIM aspects, we can provide it to you.



An Inspiration for Your Next Project



01 Solar Power Station 20MWp / 15.48MW Hybrid Station

Our Design for a 20MWp Hybrid solar power station for a city using SMA Peak3 Inverters and Power Plant Manager to control inverters and generators, with an MV line to connect the solar station with generators, the grid and this Hybrid station working in 2 moods :

1- OFF-Grid PV -Diesel Hybrid system with ten generators to save up to 70% fuel when the grid is not available.

2- ON-Grid solar power station to support the grid to increase load capacity in the daytime.

Project Location: Yemen

Client: Private.



02 Solar Power Station 457.6 KWp with Storage System BESS 572KWh

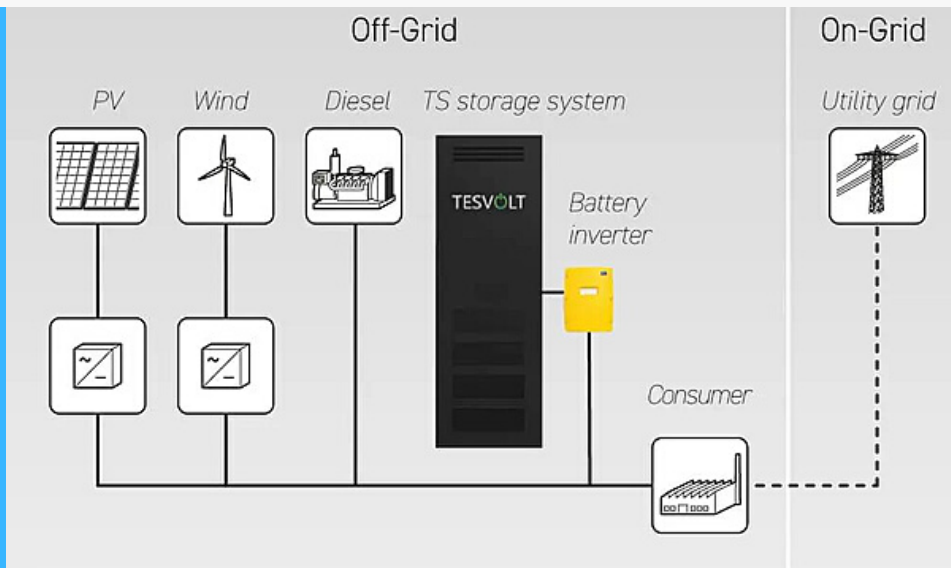
Our design for a solar power station for the UNDP office using SMA Island Mood system ” String Inverters Core 1 50KW / Batteries inverters Sunny Island 8.0H” with storage system from TESVOLT Lithium Ion Batteries

This project is an Off-Grid system and works 100 % depending on solar power and batteries for emergencies.

We can use a stand-by generator to work remotely to maintain power stability.

Project Location: Yemen

Client: Alnasser Centre For Trading

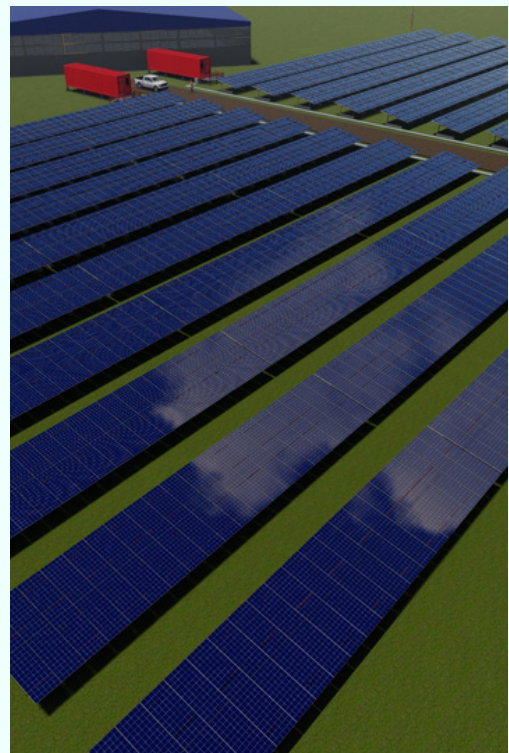


03 Solar Power Station 1.2MWp / 1 MW Hybrid Station

💡 Design solar power station for a city using SMA Peak3 Inverters and Power Plant Manager to control inverters and generators. This station can increase capacity to 7 MWp and work as: OFF-Grid PV -Diesel Hybrid system with 6 generators to save up to 70% fuel in the daytime.

Project Location: Somalia

Client: Private.



04 Solar Power Station 1 MWp / 0.81 MW Hybrid Station

Design solar power station designed to operate water wells in Aden city using SMA Peak3 Inverters and Power Plant Manager to control inverters and generators.

This station can increase capacity to 2 MWp and work as : OFF-Grid PV -Diesel Hybrid system with two generators to save up to 80% fuel in daytime, When the Grid is not available and as ON-Grid Solar Station when the Grid is available to feed Aden with water from the central solar station.

Project Location: Yemen , Aden

Client: Alhasser Centre For Trading



05 Solar Power Station 1.2 MWp /1 MW Hybrid Station with SCADA system

Design solar power station designed to operate water wells in Dhamar city using SMA Core 1 50 KW Inverters and Hybrid Controller to control inverters and generators.

We designed an advanced SCADA system to control all wells operations and being able to monitor all water production all the time, and we were able to operate the station as :
OFF-Grid PV -Diesel Hybrid system with 2 generators to save up to 90% fuel with 2 small generators.
Project Location: Yemen, Dhamar
Client: Alnasser Centre For Trading



Testing, Commissioning and Training

Check all drawings with wiring and test all systems components, then program all devices and operate the system beside designed training programs for each system (operation and maintenance) to ensure full support for the client

ON-Grid
systems

Off-Grid
systems

Hybrid
systems

BESS
systems

PV-Diesel
Hybrid
systems



Testing, Commissioning and Training

Part of our commissioning and training for a 50KW SMA Sunny Island Off-Grid system.



How Kasida Engineering would help you to start in the solar energy field

Kasida engineering would introduce you to the solar market, and the most important suppliers and companies in the field.

We would help you to start your own solar business, present you with the opportunities in your market and help with the market research.

We will offer you full support in design, training, and research.



Thank You

Because, we're here to help

For further details don't hesitate to contact us and arrange a meeting to discuss the best way we could help you



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