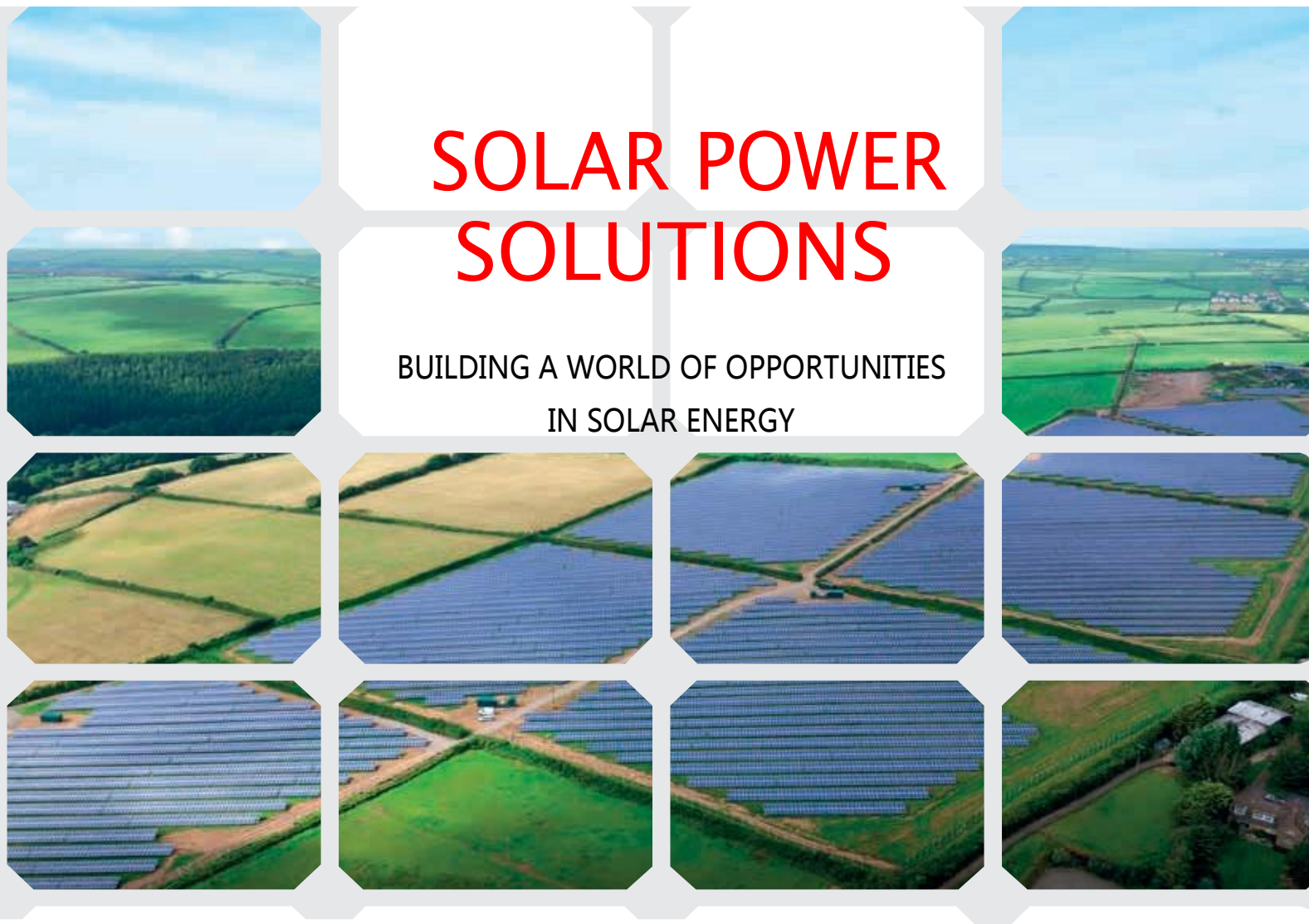


We make the Sun work for you.



SOLAR POWER SOLUTIONS

**BUILDING A WORLD OF OPPORTUNITIES
IN SOLAR ENERGY**



GCAS Energy Services
(Division of GCAS Quality Certifications)



About

GCAS Energy Services - Solar Energy

GCAS Energy Services is an EPC and O&M contractor for Commercial and Industrial solar power projects. Building on its extensive experience of medium – large scale solar projects, the company is well positioned to meet the challenges of the rapidly growing global solar market. With a strong in-house engineering capability, global scope and unmatched responsiveness, GCAS Energy Services designs and delivers quality solar projects for its clients.

GCAS Energy Services develops energy projects that are proven to reduce normal energy expenses, improve operating efficiency, and provide an attractive return on investment and help achieve low carbon sustainability goals.

What we do

We have the experience and capacity to support solar projects from inception, throughout the development and construction stages and for the complete lifetime of the plant.



Engineering,
Procurement
& Construction



Development



Operation
& Maintenance

Project Development Business:

Step. 1



Identify

- Government-backed schemes
- Active PV markets

Step. 2



Study

- Economic feasibility
- Risk minimization

Step. 3



Build

- Capitalize on Solar GCAS's experience
- 3rd party financing

Step. 4



Operate

- Capture real-time data
- Minimize risk for investors

Step. 5



Transfer

- Complete sale of power plant

We apply our industry
knowledge and engineering
capacity to bring the potential
of solar to the world

Our Services

- **Consulting**

Our project department offers investors, developers, and operators support in the professional development, planning, and installation of sustainable energy systems. Our consulting services first ensure the selection of appropriate components and location factors for the optimum functioning of the solar system and the highest-possible yields

- **Planning**

To maximize yields from the solar system and thereby guarantee its economic efficiency, a precise analysis of location and site conditions is essential. In addition to the right location, criteria relating to the premises must be taken into account for optimized system planning. The most important of these criteria include the nature of the roof or the ground as well as the orientation of the modules towards the optimum solar source; usually to the south.

- **Development**

GCAS is your service provider and your partner for standalone and all other projects. GCAS will provide all the information required with plan drawings, surveys for yield etc., as well as foundations based on soil types and statistic – all of which are normally required to be submitted in this process. GCAS facilitates to obtain Local Authority Approval before the start of any construction work.

- **Implementation**

As soon as the planning and development phase is completed and all required approvals have been obtained, GCAS will carry out the installation work and execute the project both for the owner as well as on behalf of any third parties such as investors. GCAS also carries out sub-projects, for example, the supply and installation of mounting systems

- **Quality assurance**

To minimize maintenance and downtime periods and maximize yields, GCAS prefers proven and certified products from well-known manufacturers. During operation, comprehensive monitoring and quick response times if service is required ensure a short pay-back time.

Applications & Solutions

Irrigation Solar System



On/Off Grid Solar System



Solar Water Heater

SOLAR POOL HEATING



SOLAR WATER HEATER



Solar Street Power Unit

Street & Garden



Road Signs



CCTV



Solar Tower Light Solution





Solar Rooftop System

GCAS has all advanced technical capabilities to design a renewable energy system which uses PV modules combined with one or more other electricity generators technologies or more renewable energy source.

- Residential & Construction applications
- Industrial & Commercial applications

Commercial rooftop solar projects offer an excellent financial return in most markets.

One reason is that when solar modules are rooftop mounted, they use the building structure and electrical system to minimize additional materials that would normally be required for ground mount and carport solar facilities. Net metered rooftop projects therefore bring a desirable financial benefit that outweighs most challenges

Types of Rooftop

Composite or built-up rooftops are common. These are often the easiest to work with because the material is readily available.



Standing seam metal rooftops can be ideal for attaching commercial solar arrays because rooftop penetrations are not required to secure the array into place.



The modern roof membrane is generally a single membrane made of a variety of different materials. These single ply membranes can be excellent for rooftop arrays because they are easy to repair and maintain over time.



SOLAR ENERGY

YOU CAN TRULY
BELIEVE IN

Contact us



GCAS Quality Certifications

PO Box No. 65561 | Phone: +971 4 3437552 | Mobile: +971 50 4568038
Info.dubai@gcasquality.com | www.gcasquality.com