

Your Stand by Power System & Renewable Energy Specialists



OMAN SOLAR SYSTEMS CO. LLC

www.omansolar.com

ABOUT AL-BAHJA GROUP

Established in 1947, Al Bahja Group is a diversified conglomerate known for its dynamic group companies and leadership status in all of its businesses. The Group has a solid base in Oman and has successful endeavors throughout the GCC, which bears testimony to the enterprising vision of Mr. Ajit Karsandas Hamlai.

The Group is a name to reckon with in the core sectors of economy such as agriculture, FMCG, copper mining, real estate, hotels & resorts, pharmaceuticals and alternative energy solutions.

The relentless pursuit for bringing quality products and better services has resulted in the Group's phenomenal success in the Sultanate. Driven by the commitment to quality, Al Bahja Group is poised to repeat its success in markets all over the world.

The Group leadership envisions to improve the quality of life of the customers by achieving excellence in all areas of activities, which has enabled the Group to grow manifold.

15 BUSINESS ENTERPRISES ONE VISION

 Ajay Enterprises L.L.C

 Oman Hygienic Products L.L.C

 Oman Chemical Company L.L.C

 Oman Agro Industries L.L.C

 Nuhas Oman L.L.C

 Oman Pharmaceutical Products L.L.C

Farco Commercial Co. L.L.C.


Oasis Life Style L.L.C.

 Oman Solar System L.L.C

 International Group of Companies L.L.C

 Haridas Lalji Trading L.L.C

 Rain Forest Theme Restaurants L.L.C

 Markaz Al Bahja Mall L.L.C

 Packaging Co. SAOG L.L.C

Sanana Trading L.L.C. U.A.E

ABOUT OSS

Oman Solar Systems Co. LLC (OSS) provide power solutions and state-of-the-art technology in the fields of Stand-by Power Systems and Renewable Energy Solutions. We offer turnkey services from concept to commissioning and servicing, with total capacity for the design, manufacture, installation and maintenance of all systems provided by us; including all aspects of Post-Project/Sales Support at any time.

Over the two decades, we have installed many successful solar power systems at remote and inaccessible locations and have delivered power and energy to homes and businesses across the UAE, Oman and MENA region. Our mantra of making technology as simple as possible for our customers has seen us become the country's biggest independent technology providers and the pioneers too.



 VISION

- To continuously provide specialized and customized engineered solutions that set an epitome of excellence in the market place with green energy.

 MISSION

- Evolve in order to meet the ever changing needs of a stringent industry.
- Provide green energy solutions to protect our future generations.
- Longevity in the market to support end users.

 QUALITY POLICY

- Assuring consistency of quality products and services through effective process performance, meeting or exceeding the agreed requirements of the customer.
- Offering timely after-sales service support and enhance sustainability in the market.
- Attaining and maintaining leading position through the process of organizational knowledge, training, quality objectives and continual improvement.

GREEN ENERGY BY OMAN SOLAR SYSTEMS

We are passionate about contributing to a world, which does not depend on power from fossil fuels. Our aim is to accelerate the adoption of solar power technology across Oman to conserve our environment through friendly, sustainable and conflict-free power supply.

At Oman Solar Systems, we have the latest technology by which we can use NATURAL RESOURCES and convert NATURAL energy into POWER (ELECTRICAL ENERGY). The solar photovoltaic energy is the most viable solution for reliable and remote application in the region because of the availability of the sun for almost 365 days in a year. Our motto is to electrify each and every home, office and industry with GREEN ENERGY and thereby contributing to NATURE.

- ✓ Oman Solar targets to **"DEVELOP RENEWABLE ENERGY SOLUTIONS TO HELP THE ENVIRONMENT"**.
- ✓ Our guiding words are **"INTEGRITY AND PRAGMATISM, UNITY AND INNOVATION, SCIENTIFIC MANAGEMENT AND SERVICE"**.
- ✓ Our company's purpose is **"LET THE GREEN ENERGY ILLUMINATE THE FUTURE"**. We are with you towards creating a glorious **GREEN FUTURE!**

IN COUNTRY VALUE (ICV)

OSS fully supports the national In-Country Value (ICV) program and the Ministry of Oil and Gas (MOG) formation of an ICV Committee. The company has embedded ICV into its own business planning model, with particular reference to its major projects to contribute to the socio-economic development of the Sultanate of Oman and raise opportunities.

Moreover, OSS acknowledges that further efforts are needed to stimulate the development of ICV to actively support the country's ambition to achieve its objectives set forth in the 2020 vision.

OMANIZATION

Since the commencement of operations, the company has consistently managed to increase the employment of Omani nationals at different levels of the organization, thereby contributing to human capability development and stimulate productivity in Oman's economy.



TRAINING

OSS supports technical colleges and universities for industrial training of students at our factory, the following institutes being regular senders of their students:

- Sultan Qaboos University
- Shinas College of Engineering
- Sohar University
- Nizwa University
- Caledonian College

All training programs are done in-house at our training center by qualified personnel.



LOCAL MANUFACTURING & ASSEMBLIES

In support of ICV objectives, manufacturing and services take a priority in OSS by maximizing local production and assemblies in Oman. Depending on their field of expertise, these companies get invited to participate in tenders related to goods and services. In fact, every OSS field site has both SME and LLC companies providing locally manufactured and assembled goods and services.

- 972 sq m manufacturing and workshop area
- 355 sq m air conditioning battery storage area
- Solar steel and aluminum support structure fabrication
- Array combiner assemblies
- Assemblies of solar controllers, inverters, DC-DC converters, load distribution panels, etc.
- Battery rack and enclosures
- Street light poles fabrication
- Passive cooled enclosures manufacturing
- GRP enclosures and cabinets



THE OSS EDGE

HERE ARE SOME OF THE FACTORS AS TO WHY YOU SHOULD CONSIDER WORKING WITH US

- ✓ The company was established and incorporated in the **year 1991**.
- ✓ **100% Omani-owned Company** and part of the renowned **Al Bahja Group** that was established in **1947** and is mainly into manufacturing and allied activities.
- ✓ An **ISO 9001:2015** certified company, backed by its highly professional manufacturing, testing set up & services.
- ✓ Headquarter based in **Muscat (Oman)** with branch office in Abu Dhabi (UAE) to cater the UAE market directly. Trusted name in MENA Region.
- ✓ Unrivalled pioneer with over **25 years pedigree** in technology installations and engineering.
- ✓ Established as one of the most reliable market leaders in the fields of **Standby Power Systems and full turnkey Renewable Energy Solutions & Services**.
- ✓ **Over 10,000 projects** with experience in power systems for cathodic protection of pipelines, SCADA systems, RTUs, MSV skids and telecommunication stations and being operated successfully.
- ✓ **Over 10Mwp** capacity of solar stand alone systems delivered to telecom, oil & gas, ministries and defense for different applications.
- ✓ Guaranteed delivery of chosen energy system installed by experts.
- ✓ We design, build, and operate solar projects from start to end.
- ✓ We offer added value services of technical support and customer service.

ISO
9001-2015
Certified
Company

Unrivalled
pioneer with
over 25 years
pedigree

Over
10,000
Projects &
Power
Solution
Experience

Over
10 Mwp
Solar
Project
Execution

Harness free, bountiful & everlasting energy from the sun. Apart from being convenient and cost effective, solar energy is renewable and in abundance in most of the countries with an average of 300 clear sunny days in a year.



WHY SOLAR? WHY HERE?

Life on our planet would be unthinkable without that large power station known as the sun. Solar energy is available almost anywhere. Where there is sunlight there is electricity!

What options do I have to buy the solar system?

This section is dedicated for prospective solar electrification system customers. The goal is to answer some questions while selecting a suitable solar electrification system.

OSS offers customized PV systems for:

- Utilizing solar energy combined with existing power systems.
- Reducing existing power consumption resulting in electricity savings.
- Supporting critical systems in hospitals, hotels, data centers and other facilities.
- Designing special solutions for innovative power applications.



KEY FEATURES



Highest solar radiation in Oman & other GCC



Universal availability



Proven technology



Zero Operating Cost



Negligible maintenance cost & no fuel cost



Sensible ROI



Protection from increasing tariff rates to help start savings



Scalable to any size



Decentralization of power



Zero pollution, reduction in emissions



25+ year life span



Guaranteed system performance



Contributes to corporate CSR programs



Conservation of fossil resource



High annual yields

In recent years, the cost of ownership of a solar energy system has drastically reduced and made the entire process more efficient and more profitable for homes and businesses in the MENA region. This makes solar energy a better option over diesel based generation sets.

PRODUCTS & SOLUTIONS

At OSS, we strive to continuously provide you with the best Standby Power Systems and Renewable Energy Products/Solutions that fits into your budget and to render the finest technical support service thereafter.

Our Renewable Energy Technology & Solutions	Our Expertise in Standby Power Systems
Products	Products
<ul style="list-style-type: none"> • Solar PV Modules • Solar Charge Controllers • Off Grid & Grid Tied Inverters • Industrial Flooded Lead Acid & Ni-Cd Batteries • LED Lightning & Building Efficiency • Air Craft Warning Light • Traffic Signal Light • Helipad Light 	<ul style="list-style-type: none"> • DC-DC Converter • AC UPS Systems • DC Rectifier Systems • Industrial Flooded Lead Acid Batteries • Ni-Cd Batteries • DG Gensets • CP Controllers
Solutions	Solutions
<ul style="list-style-type: none"> • Solar Stand Alone / Off-Grid / Hybrid System • Grid-Tied Solar PV Systems • Solar Street Lighting and Outdoor lighting • Solar System for Telecom equipment • Solar System for Oil & Gas Sector • Solar System for Surveillance Systems, CCTV, Cameras etc • Solar Water Pumping System • Solar Thermal Water Heating Systems • Wind Power Systems 	<ul style="list-style-type: none"> • UPS System • DC Power System • Passive Cooled Shelters • Cool Cell Boxes for Batteries • AMC Services and Support • Testing & Battery Charging Facilities



The uses of above-mentioned are several, and the advantages and values are different. The size and the type of the PV system that will meet your expectation depends on your individual needs, site location and climate.

You can find more information about our systems and solutions in our products section.

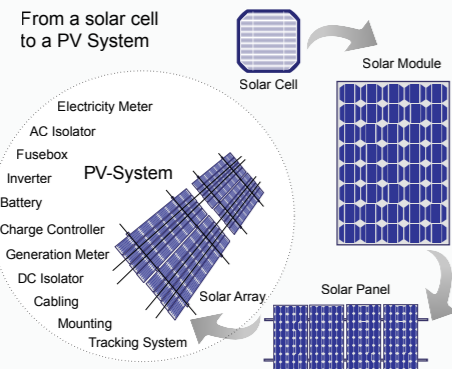
We also provide a full home consultation service with no obligation, which will assess your home and provide a bespoke quotation on what options you have available to meet your energy goals and needs.

Whatever you need to make the switch to solar, we will be with you every step of the way.

RENEWABLE ENERGY TECHNOLOGY PRODUCTS AND SOLUTIONS

PRODUCTS

Solar Photovoltaic Modules



Type : Mono & Poly Crystalline
Range: 10Wp ~ 350Wp High efficiency

Solar Power Air Craft Warning Light / Traffic Signal Lights / Helipad Light



Type : Low / Medium & High Intensity

Solar Charge Controller



Type : PWM & MPPT
Range: 10A ~ 60A – 12V/24V/48V/120V

Rechargeable Batteries



Type : SMF VRLA (AGM deep cycle), SMF VRLA (Gel), OPzS, Ni-Cd
Application : Telecom, UPS, Emergency lighting, Security, Utility, Railways, Photo-voltaic,
Range : 1.20Ah ~ 4600Ah – 2V/4V/8V/12V (Design Life 10 – 20 Years)

Stand-Alone Solar Power Systems



Application : In remote areas where electricity grid is NOT Available and one needs to generate own electricity station.

Capacity : 5W ~ 10Kw - 12V/24V/48Vdc
Operational Hours : 10Min – 24hrs (upto 5 days Battery Autonomy)

Solar Power System for Telecom Sector



Application : To operate telecom equipment's microwave repeaters, LD repeaters, GSM base stations, etc.

Capacity : 5W ~ 10Kw - 12V/24V/48Vdc
Operational Hours : 12Hrs – 24hrs (upto 5 days Battery Autonomy)

SOLUTIONS

Grid-Connected System - The Feed-in Tariff Scheme



Application : In areas where an electricity grid is available but the access is prohibitively expensive and have to generate own electricity (e.g. for reducing the use of electricity from the electricity grid, generating clean electricity or backup power).

Capacity : 1Kw ~ 10Mw
Operational Hours : 5 – 6 Hrs (Depends upon regional factor)

Off Grid Solar Power Back up Systems



Application : In areas where the mains electricity grid is available but NOT reliable (due to frequent / long power failure) and you only want to backup power from solar electrification system to use when grid supply fails.

Capacity : 100W ~ 100Kw - 230Vac
Operational Hours : 1Hr – 24hrs



SOLUTIONS

Solar Power for Oil & Gas Industry



Application : To operate Gas-flow Computers, RTUs, SCADA, Cathodic Protection (CP) etc

Capacity : 5W ~ 10Kw - 12V/24V/48Vdc

Operational Hours : 12Hrs – 24hrs (upto 5 days Battery Autonomy)

Solar Power for Street Lighting and Outdoor Light

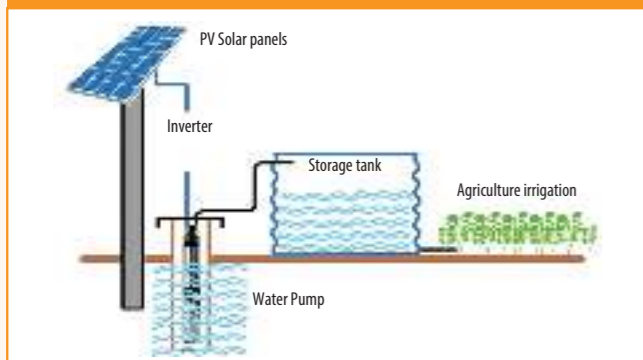


Type : Stand Alone and Centralised System

Stand Alone Capacity : Stand Alone 10W ~ 100W - 12V/24Vdc with 12-14hrs operation (3-5 days Battery Autonomy with automatic ON/OFF time switch for dusk to dawn feature)

Centralised System Capacity : Customized as per client with 12-14hrs operation with grid supply provision

Solar Water Pumping System



Type : Stand Alone DC Pump with Solar System

Application : Swimming Pool, Filtration, Industrial, Irrigation & Desalination Plants.

Capacity : 0.5Hp ~ 20Hp

Solar Thermal Water Heating System



Application : Domestic, Industrial & Commercial establishment.

Capacity : 120Ltr ~ 30,000Ltr Per Tank



STAND-BY POWER SYSTEMS & SERVICES

UPS system



Type : Single / Three Phase, Rack / Tower Convertible, Modular Type

Capacity : 1Kva ~ 1200Kva

Operational Hours : 5 Min – 12hrs (Internal & External Battery Cabinet)

Rectifier system



Type : DC system

Capacity : 30A ~ 5000A



Battery Box and Passive Cooled Enclosures & Shelters

Application : Microwave stations, Satellite communication - Earth stations, Base repeater stations, Power stations, Switching stations, Gas & Oil pipelines SCADA station.

Range : 6m²- 12 m² (depending upon heat dissipation characteristic of equipment to be in-housed and the ambient temperature required)

Operating Temperature : <40°C

OUR PROJECTS

PORT AUTHORITY



Port Authority, DUQM (Oman)
SPS Car Parking – 60Kwp

TELECOM SECTOR



OmanTel (Oman)
SPS Remote GSM Base Station x 12 Sites



OmanTel (Oman) - SPS
MICROWAVE REPEATER x 39 Sites



Telecom (Kuwait)
2.54Kwp SPS Microwave Repeater Station

OIL & GAS SECTOR



PDO (Oman)
6Kwp SPS, CATHODIC, PROTECTION x 12 sites



PDO (Oman)
2.5Kwp SPS for Instrumentation & Control System



PDO (Oman)
27Kwp SPS MSV MOTOR & WELL HEAD RTU x 44 Sites



PDO (Oman), 25Kwp SPS Telecom Station



PDO(Oman), SPS - BLOCK VALVE STATION



OGC (Oman), 123.5Kwp (Duqm) & 182.24 Kwp (Liwa) SPS for Launcher & BVS

AGRICULTURAL SECTOR



Field (Oman)
Solar Water Pumping System

GOVERNMENT SECTOR



Royal Court Affairs (Oman)
4.5Kwp SPS for Fort in Oman

EDUCATIONAL SECTOR



Sultan Qaboos University (Oman)
SPS - Earthquake Monitoring Center



GU Tech – Eco House (Oman)
12Kwp Grid Connected System



Sohar University (Oman)
15Kwp Grid Connected System

HOSPITALITY SECTOR



Hotel Muscat Holiday (Oman)
12000LPD Solar Water Heater

DOMESTIC APPLICATION



GU Tech – Eco House (Oman)
Solar Water Heating System



Residence Area (Oman)
Solar Street Light

RADIO & TV SECTOR



Public Authority for Radio & TV (PART) Oman
SPS - TV TRANSPOSER

RESEARCH SECTOR



Middle East Desalination Research Center – MEDRC (Oman) - 15Kwp
Solar Powered Grid Connect System



Ministry of Water Resources MWR (Oman) - First 10KW Wind Powered Electrical Water Pumping System



QUALITY ASSURANCE AND CERTIFICATIONS



PROUD TO SHARE FEW PRESTIGIOUS HIGHLY SATISFIED CLIENT BASE

Ministry & Government Sector



WE INTEGRATE

Industrial Flooded Lead Acid Batteries



DG Gensets



Photovoltaic Modules



CP Controllers



DC-DC Converter



Wind Power Systems



Solar Thermal Water Heating Systems



Inverters System



Ni-Cd Batteries



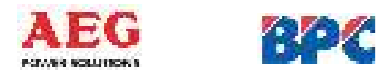
Charge Controllers



Solar-Based Water Pumping



AC UPS Systems



DC Rectifier Systems



Oil & Gas Industry



Petroleum & Refineries



Telecommunication Sector



University & Educational Sector



Manufacturing Industry

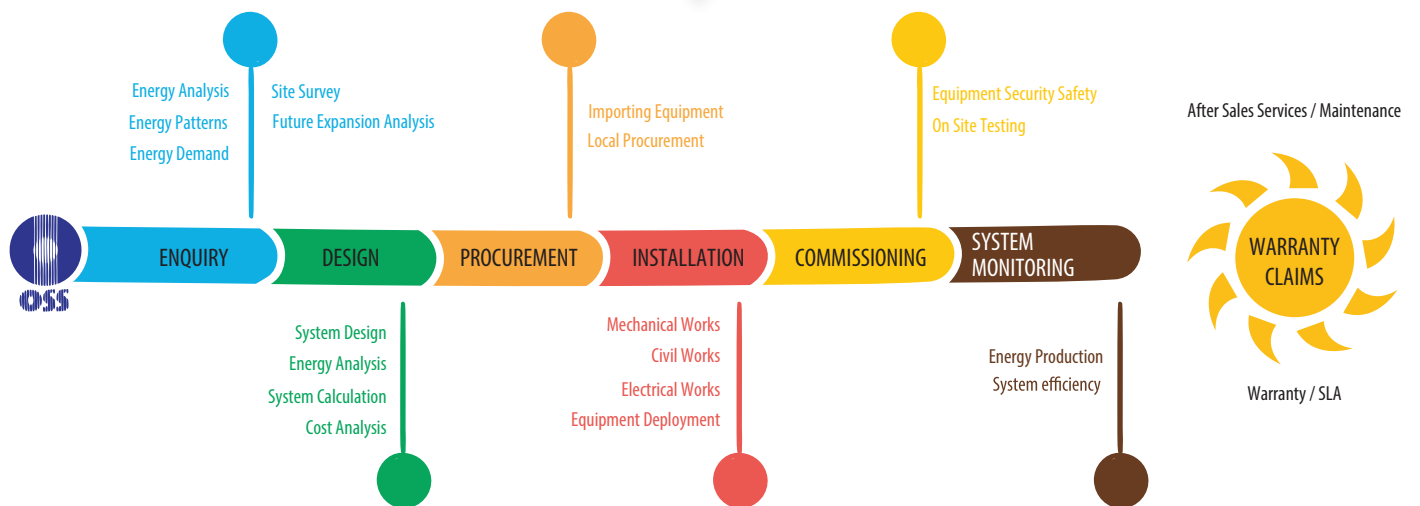


Engineering & Construction





OUR PROJECT DEPLOYMENT PROCESS



How to get in touch


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