GMES

Global Management & Engineering Solutions

Electricity from The Sun

Start Using Free Energy

Let's achieve your goals together!

WELCOME

Let’s Start Here

Global Management and Engineering Solutions Ltd (GMES) is incorporated in England and Wales. We offer a range of consulting services, all designed to help companies reach it’s potential. Whether you’re looking for a small tweak or complete overhaul, we have you covered. Our services are available at any time so you get precisely what you need.

The branch and subsidiaries of Global Management and Engineering Solutions Ltd. are registered in the UK, Romania, UAE, Switzerland, India, Uzbekistan and the Republic of Tajikistan.
GMES has all required resources, expertise in project management, finance, tax, legal, valuation and finance services and a strong management team in place to implement all type of projects in energy and infrastructure sectors.

ABOUT US

We are a Reputable Company on The Market

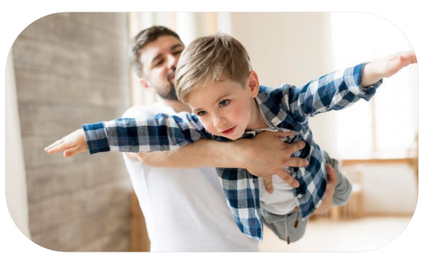
Whether you're looking for a small tweak or complete overhaul, our services are available at any time so you can get precisely what you need. The subsidiary of Global Management & Engineering Solutions Ltd. is registered in Romania and has its office in Bucharest.

Our Company's Approach

GMES Energy Team has a strong management process in place to implement all type of projects in energy and infrastructure sectors. Everything we do help us to create value for our client, and we are strongly believe that they are at the heart of our business.

There is no doubt that humanity must face climate change on many fronts. However, everyone needs energy in life to survive, and we desire to fulfill our energy demands and needs with the maximum possible level from renewable energy sources and to provide the most compelling cost- effective and efficient value in solar industry.

GMES' energy mission is to promote the solar energy usage in all aspect of life widely with the most innovative solutions to our valuable customers by our technical team and maintain the highest standards of our services quality.



Renewable Energy

Renewable energy is energy derived from natural sources that are replenished at a higher rate that they are consumed. Renewable energy sources are plentiful and all around us.

Obtaining Electricity

There are three major categories of energy for electricity generation are fossil fuels (coal, natural gas and petroleum), nuclear energy, and renewable energy sources.

Solar Panels

Solar panels capture sunlight as a source of radiant energy, which is converted into electric energy in the form of direct current (DC) electricity.

Wind Farms

Wind farms vary in size from a small number of turbines to several hundred wind turbines covering an extensive area.

Professional Team

Our effective professional teams pursue a common outcome and have a common goal they want to reach and support the development of analysis, tools, and data resources to reduce the non-hardware (soft costs) of solar energy and accelerate learning .....Our professional and well-trained teams will make this experience unforgettable and give the value and protect your property against energy in efficiency and non-durability. Thus, we strongly believe having a professional team allows people with different strengths to work together and achieve the selected aims and objectives in solar energy industry.

Equipment Efficiency

Overall equipment efficiency (OEE) is a measure of how well a manufacturing operation is utilized (facilities, time and material) compared to its full potential, during the periods when it is scheduled to run. Solar panels are usually able to process 15% to 22% of solar energy into usable energy, depending on factors such as placement, orientation, weather conditions etc. Equipment Efficiency is one of the most important factor in energy generation, transmission and distribution divisions. Thus, we are strongly recommending you to use and install the most improved quality and energy efficient equipment which will save your time and money.

With the installation of quality equipment, the system utilization's efficiency will dramatically increase and the following are our concern to customers.

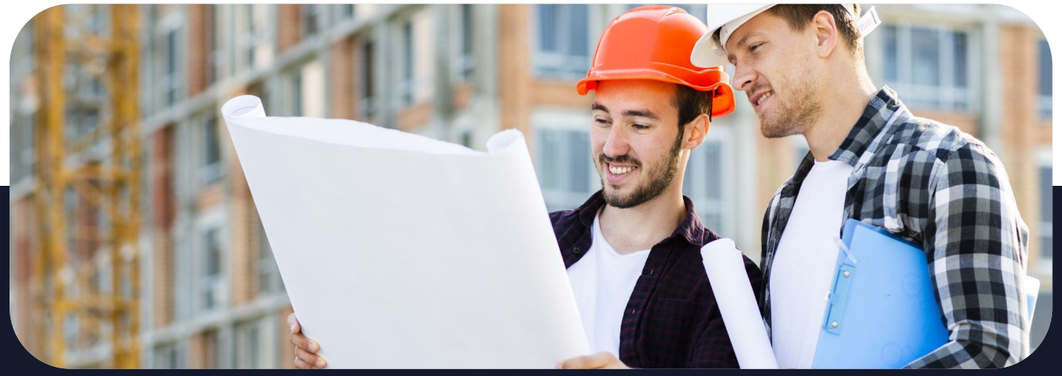
- Scientific Configuration.
- Well-known brand's equipment.
- Proper installation.
- Timely maintenance.

THE COMPANY

Why is it Worth Choosing Us?

We approach every client's challenges with an open toolbox and an open mind within a very modern and scientific way. Given that each company and individual are unique, we thus deliver customsied solutions to them as desired.

Our reputation, expertise, scientific knowledge, trust and commitment towards current and potential customers has been our guiding light. We use best-in-class solar equipment to ensure that the homeowners, businesses and institutions we work with get the best possible and long term solar energy benefits.



Our Objective

We'll start with the most obvious one first; solar energy is one of the world's energy sources. For as long as we're all still here, we can count on the sun to be shining-scientists estimate it's got at least 5 billion years left of energy in it. Thus GMES Energy objective is to utilize the clean and renewable energy at the maximum level, which is a huge benefit to our environment and future generation.

01. Providing green energy from natural resources, keeping your environment clean, and lowering CO2 emissions at your home or business with low maintenance costs.

02. Providing you the simple energy system generation at your residence to reduce dependency on the power grid and to help you to save on your monthly electricity bill.

03. Energy stainabilities at lower cost when compared to all other sources of electricity generation.

04. Self-sufficiency at the demand and supply of electrical energy at your home or businesses.

Advantages of Our Company

We strongly believe that our clients are at the heart of our business. By taking care of them, we take care of our business. And it's the only getaway to reach our selected aims and objectives in today's smart business world. This idea doesnt's need to be unique, but it must have the potential to capture part of its target market. Our services major advantages to make us different from others as following:

- Providing high quality services to clients at an affordable rate.
- Dealing with the customers in a friendly way.
- Having the high qualified and experienced technical team.
- Consortium partner with well-known brand manufactures.

Introducing The Concept

As a human being everyone has the right to access and utilize electrical energy, however it should be at reasonable price and free of CO2 to emissions.

Renewable Energy

It is a great alternative to fossil fuels as it reduces the carbon footprint on the planet, as well as greenhouse gases in our environment and society.

Obtaining Electricity

By utilizing solar technology we can convert the sunlight energy into electrical energy. This energy can be used for lighting, heating our houses, and running the businesses.

The Best - Performance

The past performance of our team is an excellent project achievement of the design, configuration and installation of the solar power plant with the installed capacity exceeding 30MW along the financial support of international donors.

Indeed, team performance evaluation is done to get a clear idea of how well the team's skills are working together. It includes managing team members, motivating them and providing feedback on their performance.

ECONOMY

Save with Our Solar Panels

One of the most common benefits of solar power is that it can reduce carbon emissions and our reliance on non-renewable resources like fossil fuels. The economic advantages of solar power include:

1. Lower your electric bills
2. Net metering allows you to sell your excess electricity to the utility company for even lower energy bills
3. Increasing your home's resale value
4. Low maintenance cost
5. Improving your energy security and independency
6. Reduce your impact in environment

An Example of Saving on Panels

Overall, solar power can help your local economy, environment, family and community. At GMES Solar, from installation to day-to-day use, we are experts in the solar industry and we can assist you with installation, regular servicing and repairs. You can trust us as your solar service provider.

The cost of solar power has plummeted in recent years, and in many places, it is even cheaper than coal or other fossil fuels. Many of the largest economies, including the U.S., China, India, and most of the European nations, have begun to implement solar energy widely.

As more people become interested in installing solar panels, more energy employees are needed to meet demand. This sector requires jobs for manufacturing, installation and maintenance. By investing in solar, you're also investing in a new jobs market, thereby bolstering your local economy.

Investing in solar energy can significantly reduce the amount you pay each month for your utility bills. This form of energy relies on ultraviolet (UV) rays, and the clean energy created can offset the costs associated with your electricity usage at home. As a result, you'll likely end up paying less over time, allowing you to recuperate your costs for your investment.

Co-financing for Installations

There are several agencies and financial institutions ready to co-finance solar power projects. For example: The European Bank for Reconstruction and Development (EBRD) has launched a new framework aiming to help Romanian households to invest in energy efficiency, renewable energy and water-saving solutions. Solar PV is also part of the framework, which is the first serious effort to support the development of rooftop PV in the country.

Romania makes available to investors 600 million euros for the realization of new capacities for the production of electricity from wind and solar energy by 2024. The Ministry of Energy has launched in public debate two sets of documents, one for wind projects with sizes from 0.4 MW to 25 MW and photovoltaic projects with sizes from 0.4 MW to 40 MW, and one for projects larger than 25 MW for the production of electricity from wind sources, respectively larger than 40 MW for the production of electricity from solar sources. Aid for large projects must be notified to the European Commission for prior approval, a step which is not necessary for small and medium-sized projects.

Short Terms of The Contract

There are several short-term and long-terms options and packages offered by the financial institutions and other co-financing companies either as financial instruments or assets, in the renewable energy's market mainly for low-income businesses and individuals.

•Soft-loan or below-market rate interest, for covering the initial cost of the required equipment.

•Totally free and no interest lending packages.

•Supply of the required equipment with payment in installments.

•Reconciliation of your monthly solar generated cost to your monthly bill to utility companies via smart metering.

Good resale value of the surplus amount of energy as generated by your rooftop solar system.

Agriculture is itself an energy conversion process, namely the conversion of solar energy through photosynthesis to food energy for humans and feed for animals. Modern agriculture requires an energy input at all stages of agricultural production such as direct use of energy in farm machinery, water management, irrigation, cultivation and harvesting. In addition, there are many indirect or sequestered energy inputs used in agriculture in the form of mineral fertilizers and chemical pesticides, insecticides and herbicides.

INDUSTRY

Energy for Industries & Agriculture

The use of solar energy on the farm and agriculture industry can take many forms:

- Heat collectors to dry crops
- Livestock buildings and greenhouses
- Water heaters to provide hot water for dairy operations and cleaning
- Photovoltaics (panels) to power water pumps, lights and electric fences

Renovation buildings and barns to capture the sun's energy can provide for cost savings, increased self-reliance and reduced fossil fuel emissions.

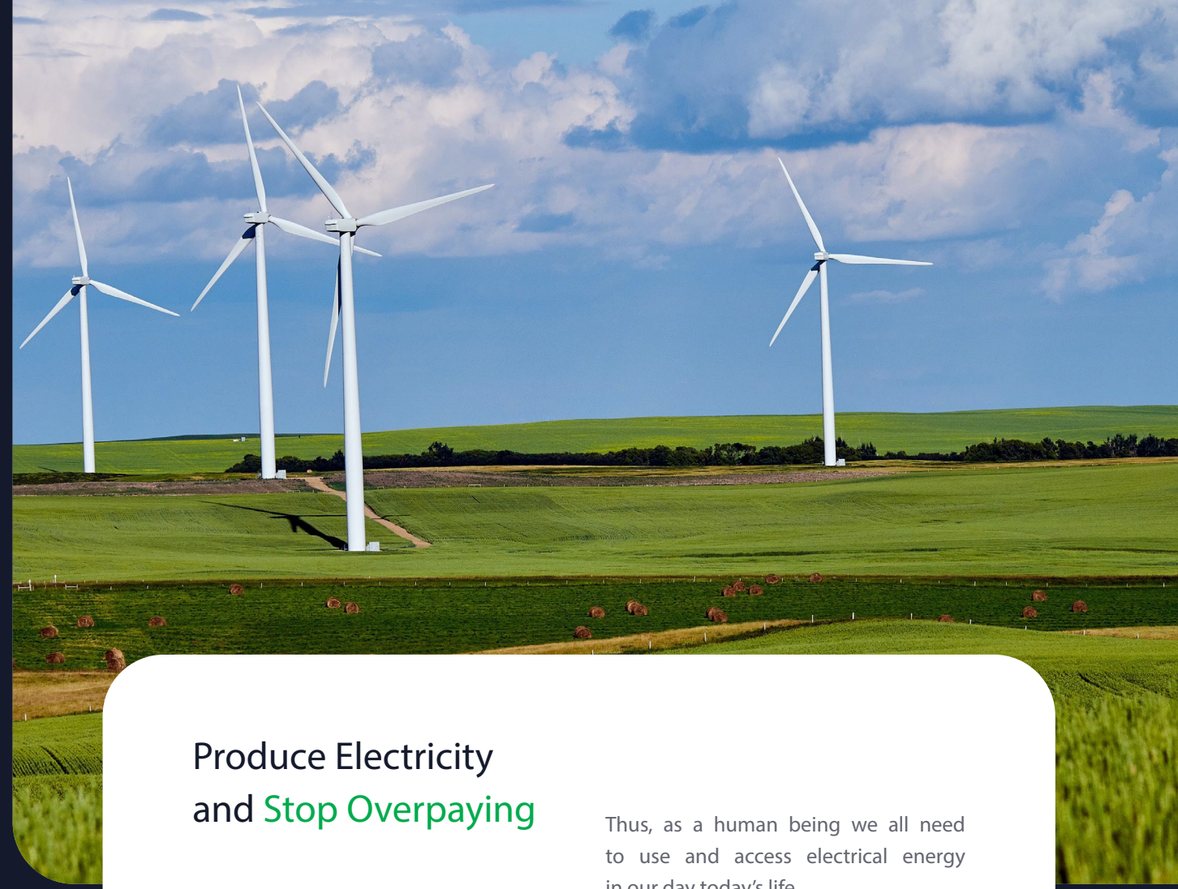
Triple The Benefits

Solar energy is a renewable energy source and reduced carbon emissions:

- Solar energy can reduce your home's electricity bill.
- Solar power can get your money back through Solar Renewable Energy Credits (SRECs)
- Reduce your impact on the environment
- Low maintenance costs
- It helps your green credentials and CSR

Realization in 30 Days

In today's world almost each business entitiy and individuals are paying their electricity bill on a monthly basis to the utility company. Thus, by installing solar panels and utilizing solar energy, we can realize the cost impacts in our monthly electricity bill within 30 days. Renewable energy has seen some fantastic advances over the years, and collectively they're already beginning to quickly overtake fossil fuels as a means of energy production.



Produce Electricity and Stop Overpaying

Thus, as a human being we all need to use and access electrical energy in our day today's life.

To produce electricity, a turbine generator set converts mechanical energy to electrical energy. In the cases of natural gas, coal, nuclear fission, biomass, petroleum, geothermal and solar thermal, the heat that is produced is used to create steam, which moves and runs the blades of the turbine.

In the cases of wind power and hydropower, turbine blades are moved and run directly by flowing wind and water, respectively.

Solar photovoltaic panels convert sunlight directly to electricity using semiconductors.

As a regular customer of electricity, either as a businesses or individuals, you may use more, or less electricity than the estimated, so in any circumstances, you must pay the consumption bill to the utility company.

However, by installing solar panels in your residence premises your electricity bill will be dramatically reducds and your initial investment cost recovery will start.

You will get improved energy security and independency as your own indoor producer.

THE TEAM

Qualified Managers & Engineers

Our technical team consist of professional engineers, experienced technicians and knowledgeable managers, who can fully provide Solar Energy Support Solutions to businesses and individuals.

With the support, strategic and coherent approach of our qualified team you will receive the highest recommendation in energy efficiency matters, mainly the installation of solar system.

Bogdan Gheorghiu

Executive Chairman

Bogdan Gheorghiu is Vice President la PIFM Patronatul Importatorilor de Forta de Munca - 'Romanian Manpower Employer's Association' with more than 18 years of professional experience.

Mohd.Masood Seediqyar

Chief Executive Officer (CEO)

Masood is an MBA holder in finance and accounting from Preston University with more than 20 years of professional experience, 10 out of 20 years in the electrical energy sector.

Great team is the only way to keep a company and business move forward and great things in business is never done by one person, it is a team accomplishment for any selected objectives.

In today's business culture for every company and organization doing business in the marketplace, the core team and their customers are the most valuable assets and the highest reputation in terms of business management.

Our technical team is always ready to fulfill your desires with the highest standards of satisfaction at any convenient times for you.

Dr. Sudesh Bhagwat

Senior Solar Energy Consultant

Dr. Sudesh Bhagwat is a Ph.D in Physics from University of Mumbai, 1999, he joined Freie University, Berlin on the cutting edge research on memory devices with the 10 + years of experience in power

Louis Fourie

Senior Solar Energy Consultant

Louis Fourie is a Technical Director and Management Consultant and he has nearly 40 years of professional experience in the field of energy generation, transmission, power grid and solar energy sector.

Raja Bhatacharjee

Senior Financial Consultant

Raja Bhatacharjee is a Senior Power Sector and Financial Management and Institutional Restructuring Specialist with 30 + years of experience in different areas of Power Utilities and Consultancy.

ENERGY SERVICES

Our Best Offer for your Residence

Our company helps and supports businesses and individuals to reach the full potential of their assets and people through the development of dynamic strategical solution in the renewable energies sector which are affordable and durable. Domestic solar systems typically have a capacity of between 1 kW and 10 kW. We estimate that a typical home needs between 17 and 21 solar panels with battery storage system to cover 100 percent of its electricity usage. To determine how many solar panels, you need, you'll need to know: your annual electricity consumption, the wattage of the solar panels you're considering, and the estimated production ratio of your solar system. We can calculate the number of solar panels you'll need by the system size, production ratio, and again by the panel wattage. The actual number of panels you'll need to install depends on factors including your geographic location, panel efficiency, panel rated power, and your personal energy consumption habits. Importantly, the number of solar panels you need for your home directly impacts the price you pay for solar. While the answer isn't always simple, we've put together some example cases to help you understand, at a high level, how many solar panels you need to install an effective home solar array.

Panel

There are 3 major categories of solar panels:

•Monocrystalline solar panels

•Polycrystalline solar panels

•Thin film solar panels.

Different types of solar panels are developed for different conditions and our recommendations for installation is also based on the budget of the customers.

Inverters

Since DC/AC inverter is one of the most important part of any solar power system either for a residential or commercial use, and any failure and power fluctuation can be with a catastrophic result, thus or recommendation is to use and install the high quality and well-known brand inverter.

Other accessories

For high and durable efficacy of any solar system, the selection of matchable and computable accessories such as smart meters and backup batteries are must. Thus, our technical team and experts will do all the essential calculation and give you the free consultation for system configurations as you desire.

Terms of Installation

Proper system installation and equipment configurations are the most crucial part of any power system from an electrical engineering perspective.

Our experts will provide you with the highest service standards for the installation of your required equipment over the long-term with very low and reasonable service fee charges.

•Low and affordable service packages.

•Net metering and system synchronization.

In the final stage, when the installation is done, we will have your solar system ready for operation within 4-8 hours.

However, your system will only be connected to the grid after you receive PERMISSION TO OPERATE (PTO) by your local municipality or utility company. After all, is done, you are ready to use your system, and our technicians will teach you how the system is turned on and off.

Our Best Offer for your Businesses

It is important that regular maintenance is carried out on your solar panel system. Undertaking regular maintenance will ensure your solar panel system is operating safely, correctly and efficiently.

Over time dust and debris will build up on your solar panels, which may compromise the performance of your solar panel system.

In addition, water and moisture seepage, vermin, hail, wind and sunlight can all cause damage or deterioration to your system. Therefore, upon making a service agreement with GMES Energy, the followings are our best offers to our clients;

- Free Quarterly system inspection.
- Free electrical checks to ensure all components are operating as intended.
- Free checking to make sure that all fittings and cables are securely attached.

Energy

Domestic solar panel systems typically have a capacity of between 1 kW and 4 kW. A 4 kW solar panel system on an average-sized house and you can produce around 2,850 kWh of electricity in a year (in ideal conditions). In fact, solar panels typically pay for themselves because they provide savings on your electric bills from month to month.

Indoor Energy Producer

This is one of the most significant financial benefits of solar energy, especially in an area, where the local grid and the power distribution company is importing electrical energy and the monthly consumption bills are higher than other cost of the utilities services as average.

Solar energy for Industries & commercial

Solar energy can be used to generate heat for a wide variety of industrial applications, including water desalination, enhanced oil recovery, food processing, chemical production, lighting, ventilation and manufacture processing, among many others.

Indeed, solar energy can help to reduce the cost of electricity, contribute to a resilient electrical grid, create jobs and spur economic growth, generate back-up power for nighttime and outages when paired with storage, and operate at similar efficiency on both small and large scales in our day-to day life.

Solar energy offers many benefits that make it one of the most promising energy forms. It is renewable, non-polluting and available world-wide. Likewise, the simplicity of this technology makes it ideal for using in rural or difficult to access areas isolated from the network. Renewable solar energy is also useful for generating electricity on a large scale and injecting it into the network, especially in regions where the meteorology provides for lots of hours of sun per year.

Solar capture modules are relatively easy to maintain, which, along with the continuing, sharp reduction in cost of photovoltaic cells, explains the present favorable outlook for solar technology. Solar farms also do not emit polluting gases and are silent.

QUESTIONS?

Contact Us Now

To request additional information or provide us with your requirements, please feel free to contact us any time.

Our Office

1. Romania office: Bucharest, str. Lt. Victor Manu 36 bl. C2. sc. B. ap. 7, Sector 2.
2. London-UK Office:131 Avion Court London Road Crawley United Kingdom RH 10 8FG.
3. Dushanbe Tajikistan Office: 54 Foteh Niyozi street, Dushanbe Republic of Tajikistan.

E-mail & Web

info@gmes.group
www.gmes.group

Phone Number

+992 550 440 000