



clean energy
services and solutions

BRAND ARCHITECTURE

THE MEECO GROUP AND ITS REGISTERED TRADEMARKS

TRADEMARKS

OF THE MEECO GROUP



CLEAN ENERGY



GLOBAL EXPERTISE



PV & STORAGE



ENERGY MANAGEMENT



GRID-CONNECTED



SOLAR PLANT



STREETLIGHTING



GREENHOUSE



TELECOMMUNICATION



PV ROPE STRUCTURE



SOLAR PANEL HEATING SYSTEM



HYDRO POWER



WATER TREATMENT



PORTABLE ENERGY



OFF-GRID POWER



WATER PUMPING



MONITORING



SHARED OWNERSHIP



SHIFTING TO CLEAN ENERGY

FOR A SUSTAINABLE FUTURE

WHAT WE ARE OFFERING



PRODUCTS

- Broad range of customised renewable energy solutions.
- Application of top-tier technologies and advanced materials.
- Integration into existing utility grid or off-grid power supply.



SERVICES

- Energy advisory services to develop a comprehensive strategy and to realise tailor-made renewable energy projects step by step.
- Support at every stage of the process.



INVESTMENT

- Support and expertise to ensure successful clean energy investments.
- Facilitate investment by covering all the administrative formalities.
- Different investment options.



GLOBAL EXPERTISE

CLEAN ENERGY WHEREVER YOU ARE

- Great international network of partners and experts, including the local expertise, the extensive experience of our engineers, consultants and project planners.
- 423 MWp and well above 1,000 distinct projects of clean, renewable energy solutions have been realised to date across five continents.
- We offer high-end engineering, management and investment solutions, in our regional offices or through strategic partners worldwide, in order to address local requirements and community needs.



CANADA



FRANCE



FIJI



GERMANY



GREECE



INDIA



ITALY



MAURITIUS



PAKISTAN



SPAIN



SWITZERLAND



UNITED KINGDOM



USA



ZIMBABWE



**SOLAR POWER
GENERATION AND
ENERGY STORAGE**
PV & STORAGE SOLUTION

GENERATE AND STORE SOLAR POWER

sun2live

- Small-to-medium scale distributed solar power generation and storage solution for both grid-connected and off-grid use.
- 24/7 power supply source or backup solution, providing electricity to households, businesses and communities dependent on unreliable, expensive, or difficult-to-maintain power sources.
- Advanced PV technology combined with powerful batteries guarantees a stable power supply source or a backup solution.



BENEFITS

sun2live

- Wide range of power and storage capacity.
- Seamless switching between input sources to eliminate power interruptions.
- Custom sizes to match exactly the individual requirements of the client and minimise initial investment accordingly.
- Engineered to be installed quickly and operate / maintain easily.

→ SUN2LIVE.MEECO.NET



A wide-angle photograph of a solar farm. The foreground and middle ground are filled with rows of blue photovoltaic solar panels mounted on silver metal racks. The panels are tilted towards the sun. The ground is dry, brownish soil. In the background, there are low, brown hills under a bright blue sky with some wispy white clouds. A red semi-transparent banner is overlaid on the left side of the image, containing white text.

ENERGY MANAGEMENT SYSTEM

OPTIMISED ENERGY CONSUMPTION

EFFICIENT ENERGY CONSUMPTION AND STORAGE

sun2safe

- All-in-one intelligent energy management system guaranteeing a reliable energy supply, independently from fossil energy generation or the electrical grid.
- Top-tier batteries to store energy and a converter/inverter to convert the current suitable for all devices and applications.
- Combined with sun2live, the sun2safe is an environment-friendly solution for energy conversion, storage and management.



BENEFITS

sun2safe

- Charging the batteries using PV energy or AC line (grid or genset).
- Storage capacity from 10 kWh to 500 kWh.
- Providing energy to the point of need without interruptions.
- Continuous insight into critical equipment and environmental conditions through intelligent controls, real-time metering, production and power usage statistics and enhanced monitoring devices.



→ [SUN2SAFE.MEECO.NET](https://sun2safe.meeco.net)



SOLAR ROOFTOP SYSTEM

GRID-CONNECTED ENERGY SOLUTION

ROOFTOP SOLAR POWER

sun2roof

- Flexible solution with tailor-made rooftop solar panels and customised PV mounting systems, depending on the size, material and location of the rooftop.
- The sun2roof is installable on almost every kind of building and is designed for government, commercial, industrial and community use.
- Easy to install and to maintain energy solution to meet the requested energy demand or support the stabilisation of the grid in areas with regular power outages or load shedding.



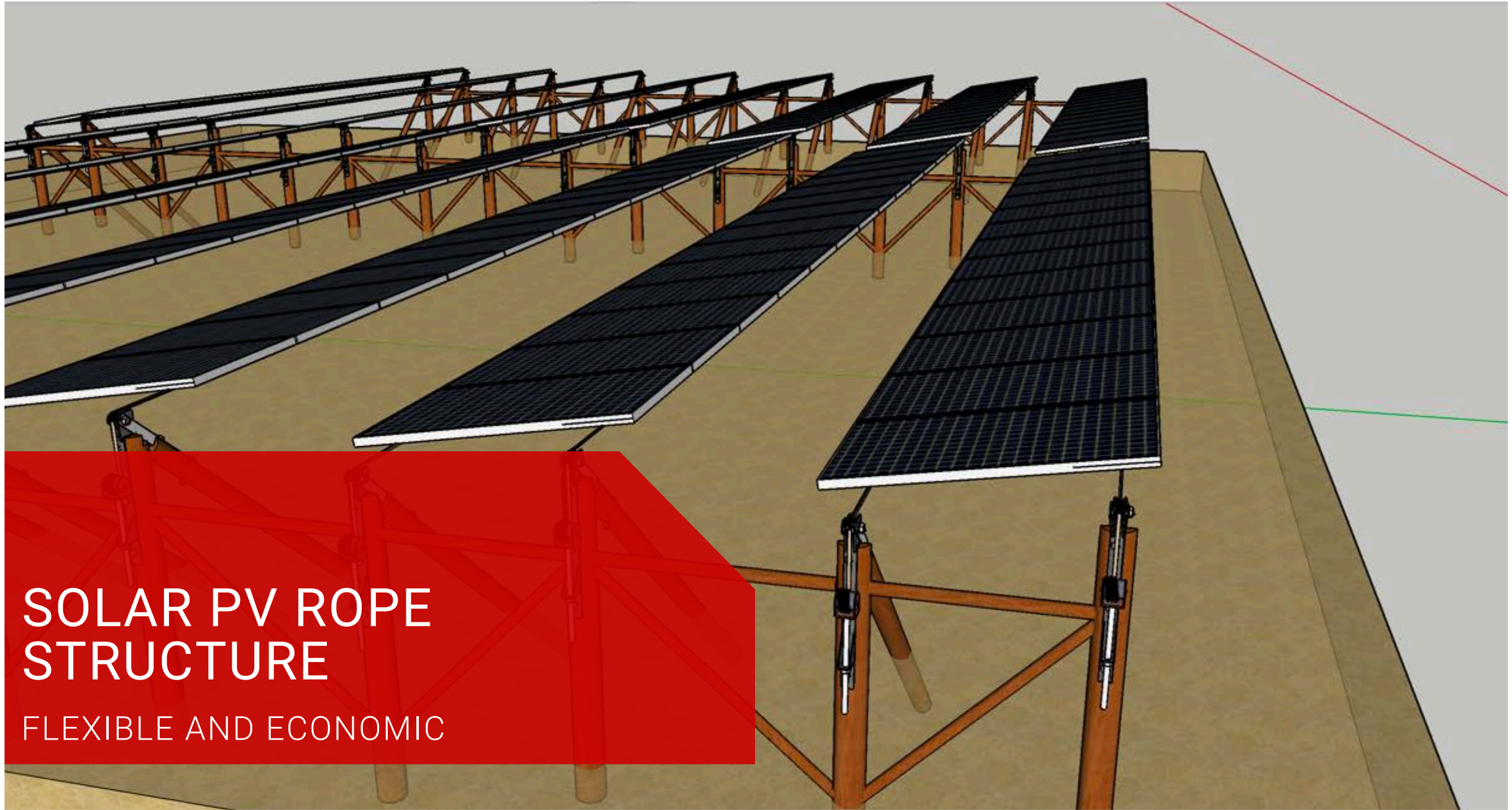
BENEFITS

sun2roof

- Using existing rooftops to install the sun2roof system.
- Easy connection to the national grid.
- Additional benefit of increasing rental revenues through the introduction of rooftop rental.

→ SUN2ROOF.MEECO.NET





SOLAR PV ROPE STRUCTURE

FLEXIBLE AND ECONOMIC

INNOVATIVE SOLAR MOUNTING STRUCTURE

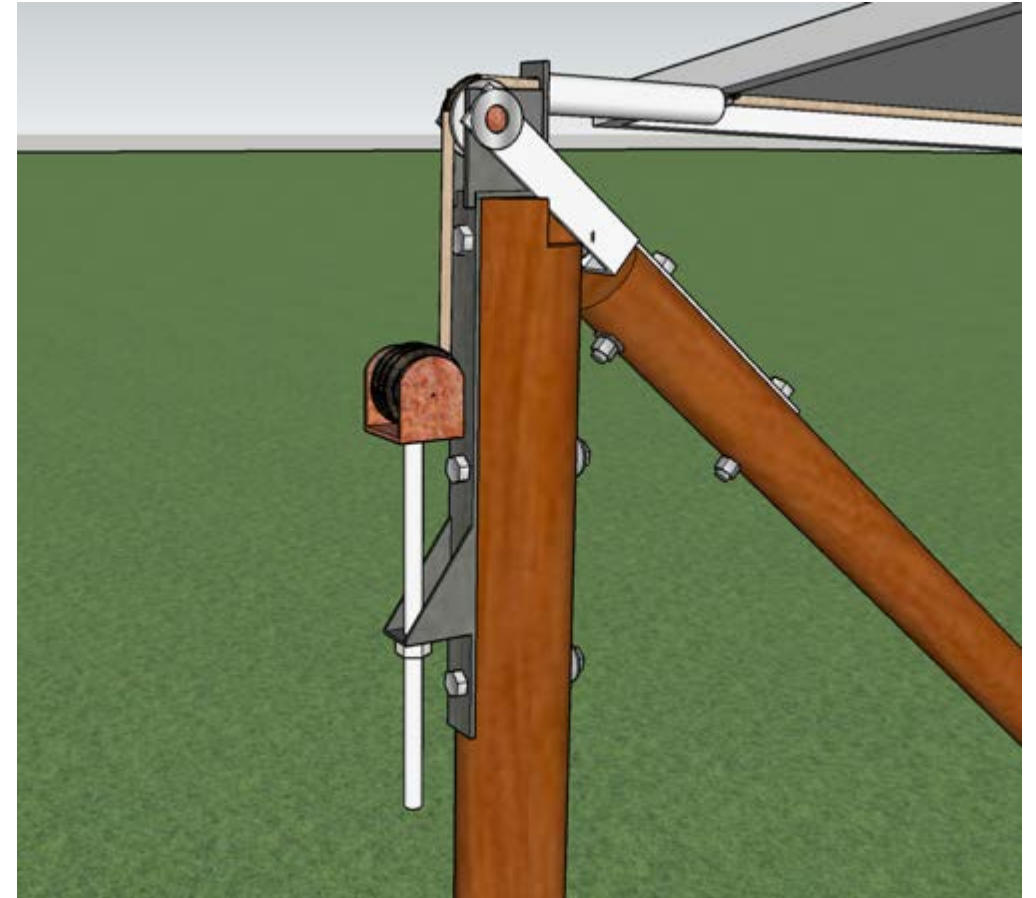
sun2rope

- sun2rope is an innovative low environmental impact solar PV mounting structure designed and engineered by meeco.
- The sun2rope solar PV structure consists of top-tier modules mounted on a high-performance technical rope.
- The rope is characterised by an extremely high breaking load and a very low weight.
- Unlike metal substructures the transport of this mounting solution requires minimal effort while maintaining the same level of security and stability.



BENEFITS

- Offers an efficient and fast way to establish solar energy generation as the modules are mounted on special long-life ropes, which are attached to existing walls, wooden or steel pillars or suspended between buildings.
- Designed to protect the landscape at the intended location for the solar power solution and ensure a smooth, quick and reliable installation.
- Long-lasting quality of the mounting system.
- Designed to resist wind speeds of up to 36 m / s, which makes it appropriate for a wide range of projects.



SINGLE AXIS SOLAR TRACKER

TRACING THE SUN



PV TRACKING SYSTEM

- Grid-connected energy solution that continuously adjusts the surface of its PV modules to the current position of the sun.
- Top-tier technology allows for an optimised tracking around the azimuth and the generation of up to 30% more energy compared to immobile solar solutions.
- Flexible energy solution with a superior performance due to its adaptable size, low maintenance requirements, and intelligent design features.



BENEFITS

- Highest possible energy yields
- Low cost per generated kilowatt hour
- Durability and serviceable life
- Quality and reliability
- Resistant to wind and snow

→ SUNCARRIER.MEECO.NET





SOLAR POWERED STREET LIGHTS

BRIGHTNESS BY THE SUN

SOLAR LED TECHNOLOGY

- Sustainable and zero-emission lighting solution operating with latest technologies of ultra-efficient LED luminaries.
- Compared to traditional lighting bulbs, LED street lights can save up to 70% energy.
- In combination with solar technology, they represent the most sustainable lighting solution and ensure eco-friendly and reliable lighting for infrastructures with a high energy consumption.



BENEFITS

sun2light

- Low maintenance lamps, rated at over 50.000 hours of reliable, trouble-free operation
- Bright natural white light with an impressive colour rendering index superior to 80
- Mercury- & UV-free LED

→ SUN2LIGHT.MEECO.NET





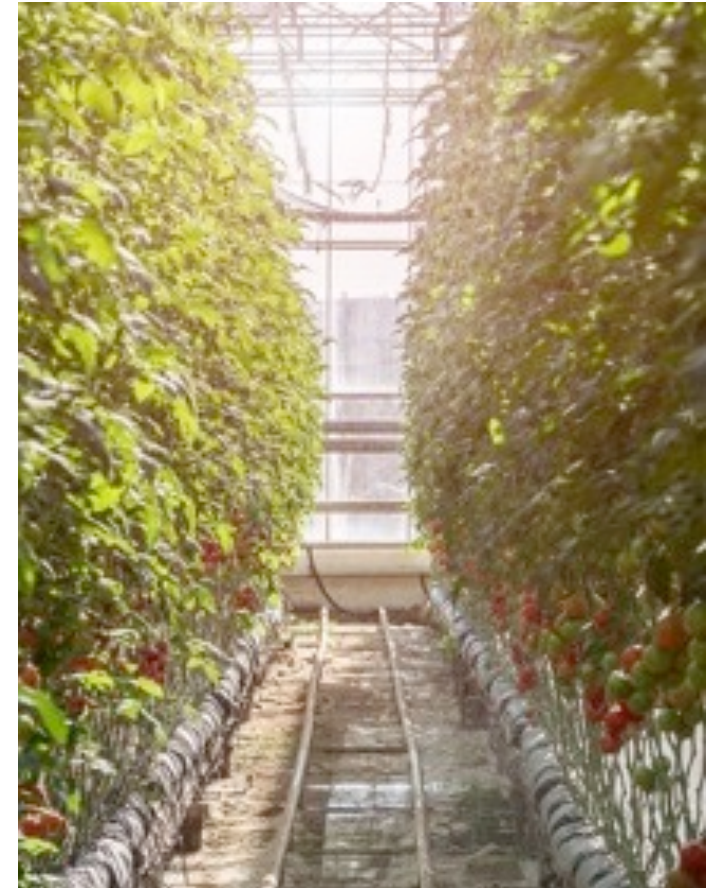
SOLAR GREENHOUSE

PERFECT SYMBIOSIS OF SUN AND SOIL

PV GREENHOUSE

sun2grow

- Solar greenhouse solution harvesting two vital natural resources: energy from the sun and fertility from the soil.
- sun2grow represents the optimal way to utilise the power of the sun and support the well being of local communities, as PV technology contributes improving the economics of agricultural sectors, accelerating the modernisation of facilities and creating job opportunities.

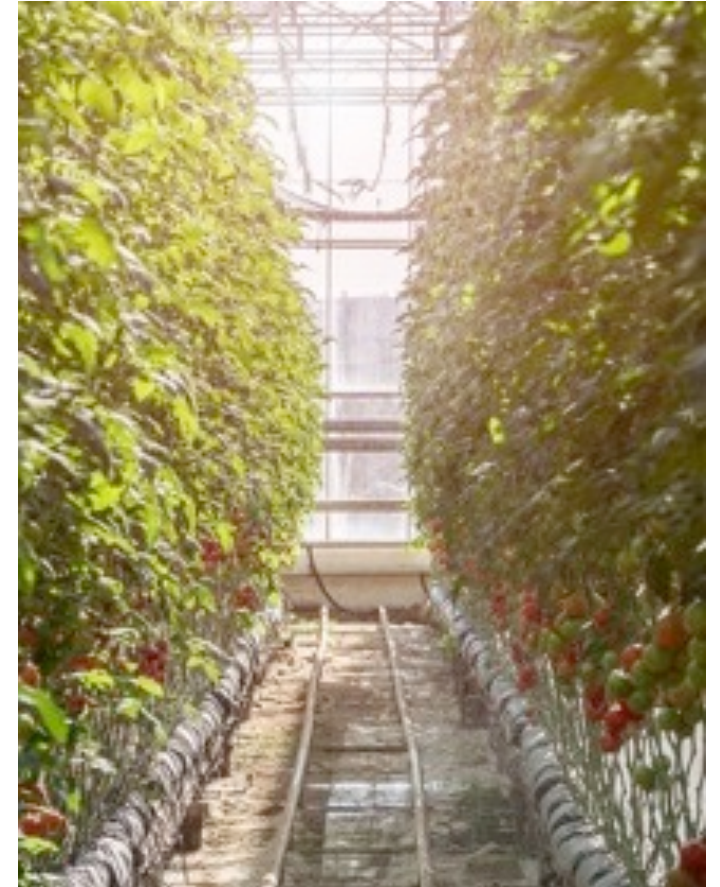


BENEFITS

sun2grow

- Custom designed greenhouses
- Top-tier PV technology (integrated modules or rooftop installations)
- PV modules and greenhouse installations maximising energy production and optimising cultivation conditions
- Turnkey solution improving economics of agricultural sector

→ SUN2GROW.MEECO.NET



SOLAR TELECOMMUNICATIONS

STAY CONNECTED THROUGH CLEAN ENERGY



SOLAR TELECOMMUNICATION SOLUTION

sun2com

- Custom designed off-grid solution to power remote telecommunication sites.
- Powering BTS stations with sun2com solar telecommunications solution contributes to a sustainable development receiving a reliable and green energy supply.
- Compared to BTS sites operated solely with diesel generators, sun2com requires less maintenance efforts while achieving the return on investment in up to three years.



BENEFITS

- Reliable electricity supply (24/7 for at least 20 years)
- Reduced exposure to rising fuel prices and increasing delivery costs
- Dramatically lower maintenance, repair, replacement, and fuel costs
- Significantly smaller carbon footprint
- Online visibility of operations

→ [SUN2COM.MEECO.NET](https://sun2com.meeco.net)





HYDRO POWER GENERATION

WATER AS THE SOURCE OF ENERGY

OFF-GRID POWER FROM KINETIC ENERGY



- Hydro power generation solution generating energy utilising the flow and kinetic energy of water.
- Built with nature-friendly materials and operated in full respect of water species to power remote areas without need for damming or permanent foundations.
- Can be utilised within the framework of grid-connected, hybrid or off-grid systems, or synchronised to existing network.

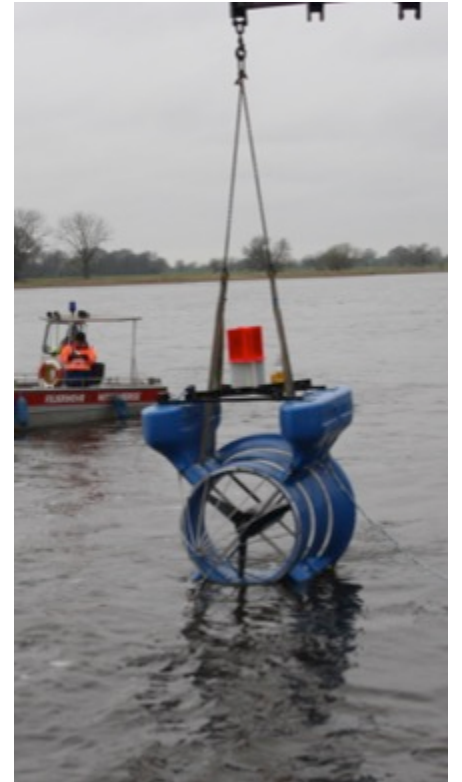


BENEFITS



- Quick and robust transport and installation
- Customisable electrical output
- 3 main components per unit (“Plug & Play”)
- Operating at low RPM of 90 - 230
- Cut in speed at 0.7 m/s

→ HYDROPOWER.MEECO.NET





PORTABLE ENERGY SOLUTION

ENERGY TO TAKE AWAY

sun200

by TRIPPO AC

TRANSPORTABLE SOLAR SYSTEM

sun2go

- Portable solar power system combining a foldable PV module and a wheeled trolley containing a battery, an inverter and a charge controller.
- Environment-friendly and reliable solution for running small electrical devices and tools for several hours.
- Easy-to-transport and shock-resistant design, and a combined weight under 30 kg. (66 lbs.) guarantee a sustainable energy supply in a wide range of settings.



BENEFITS

sun2go

- “Power on the go” - no dependence on electricity grid
- Plug & play system (easy to operate)
- Built for operation in harsh environments
- Almost maintenance free
- Up to 2 kWh battery capacity (extendable with additional battery packs)

→ SUN2GO.MEECO.NET





SOLAR POWER AND STORAGE SYSTEM

ENERGY IN MOTION

PORTABLE OFF-GRID ENERGY SOLUTION

sun2go xl

- Portable or semi-portable solar power and storage solutions to ensure reliable energy supply even in remote areas.
- sun2go xl and xxl can be used for private houses, shops, construction sites, small hospitals, emergency stations or disaster zones.
- PV modules for energy generation, a battery to store the produced energy and a communication tool to facilitate the monitoring of the system.



BENEFITS

sun2go xl

- Extremely easy & fast installation, low maintenance
- Independence from grid, polluting fuel generators and fuel prices
- Flexibility through mobility

→ SUN2GOXL.MEECO.NET





WATER TREATMENT SOLUTION

CLEAN WATER ACCESS FOR EVERYONE

DRINKING WATER TREATMENT

- Water treatment solution providing potable water to communities and businesses dependent on unreliable, expensive, or difficult-to-maintain water and power sources.
- Custom-designed off-grid solution enabling everyone to get access to potable water by means of a variety of water treatment, power generation and energy storage technologies.
- sun2water can purify various sources of water such as unsecured distribution networks, spring or other non potable sources, surface capture or run offs, rivers or lakes.



BENEFITS

- Wide range of possible water sources
- Self-cleaning system
- Reliable electricity 24/7
- Customised solutions to minimise investment and operating costs
- Engineered to be installed quickly and operated/maintained easily



→ SUN2WATER.MEECO.NET

A photograph of a solar panel mounted on a wooden post, situated on the bank of a pond. The panel is tilted towards the sun. The background shows a dense line of trees under a clear blue sky. A red overlay covers the bottom left portion of the image, containing white text.

SOLAR WATER PUMP

RENEWABLES TO POWER WATER PRODUCTION

SUSTAINABLE WATER PUMPING SOLUTION

sun2flow

- sun2flow operates by combining photovoltaic modules and water pumping devices to ensure a real time and in-situ operation of the system.
- Sustainable solution to pump water for irrigation or cattle needs in off-grid areas where lakes, rivers or natural water reserves can easily be found.
- Available as fixed and mobile version.



BENEFITS

sun2flow

- Reliable and stable water supply powered by solar
- Minimal maintenance efforts
- Top-tier PV modules and proven water pumping units
- Environmental-friendly and cost-efficient solar water pumping solution

→ SUN2FLOW.MEECO.NET



DISTRIBUTED UTILITY- SCALE SOLAR GENERATION

1 MW - 5 MW CLEAN ENERGY PROJECTS



RENEWABLE ENERGY PROJECTS FOSTERING ECONOMIC GROWTH

sun2grid

- Approach to provide small to medium sized utility-scale solar energy generation capacity (1-5 MW).
- Grid-integrated and grid-interactive.
- Distributed along and within the grid (where it is needed most).
- Higher feasibility compared to projects > 100 MW (less planning, smaller funding requirements, lower commercial and technical risk).
- Close proximity to the end users.
- Taken care of and looked after by the local community.



BENEFITS

- Low technical and commercial risk
- Fast planning and implementation
- Easier to access funds
- If a unit fails it can be isolated, leaving the rest of the system connected
- Local ownership, care and protection of asset





SOLAR PANEL HEATING SYSTEM

ELECTRICITY GENERATION EVEN IN WINTER

SURFACE HEATING FOR SOLAR SOLUTION

sun2melt

- sun2melt solves a well-known problem of house-owners : it ensures a steady, uninterrupted electricity generation even in wintertime, and enhances the safety around the clean energy solution.
- Innovative and unique solution, engineered in Germany
- Through the combination of the heating elements with meeco's solar solution, sun2melt offers a new quality of clean energy generation: the production of electricity is hardly interrupted as the snow is melted as soon as it touches the heated solar panels.
- Heating will only be activated when snow falls.



meeco

BENEFITS

sun2melt

- **HEALTH & SAFETY**

- Low safety risk even during or after heavy snow falls: since the snow is melted little by little the danger of sudden snowdrifts or roof avalanches is minimised.

- **ENERGY GENERATION**

- More energy generation compared to solar systems without sun2melt: when snow is falling on the modules, it is immediately melted and does not interrupt the energy generation. The modules can use the power of the sun, as soon as it is available and produce more electricity.



A photograph of two workers, a woman and a man, wearing orange hard hats and high-visibility yellow safety vests. They are standing on a large array of blue solar panels, looking at a tablet computer held by the man. The background shows a clear blue sky and the perspective of the solar panels stretching across the field.

MONITORING OF CLEAN ENERGY SYSTEMS

24-HOUR MONITORING GUARANTEES EXCELLENT PERFORMANCE

REAL TIME MONITORING OF CLEAN ENERGY SYSTEMS

sun2see

- Monitoring platform sun2see and full-time service centre G-Noc providing a 24-hour supervision of renewable energy systems worldwide.
- Integrated service feature including an archiving function enabling customers to track the performance of their clean energy systems.



BENEFITS

sun2see

- Pinpoint and fix deviations, faults or other impediments immediately to ensure smooth operation without performance losses.
- Easily accessible by logging in online to get a customised overview of all relevant performance parameters, such as the energy output or the condition of batteries.

→ [SUN2SEE.MEECO.NET](https://sun2see.meeco.net)



A close-up photograph of two business professionals in a meeting. One person, wearing a blue suit, is holding a silver pen. The other person, wearing a grey suit, is also holding a silver pen. They are both looking at a document on a white table. The background is slightly blurred, showing a computer keyboard and a window with blinds.

SHARED OWNERSHIP OF CLEAN ENERGY SYSTEMS

INVESTMENTS INTO LONG TERM JOINT PROJECTS

JOINT CLEAN ENERGY PROJECT FUNDING

sun2share

- Project development, execution and financing model.
- Possibility to jointly share projects and benefit from a strong technology and service partner with longstanding experience in the fields of implementing profitable and sustainable clean energy solutions worldwide.
- Prior to the realisation of a sun2share-project a special purpose vehicle (SPV) is founded, whose shares are being mutually held by the customer and meeco.
- sun2share-projects can be realised utilising equity or debt capital but also in form of an operation lease or a power purchase agreement.





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