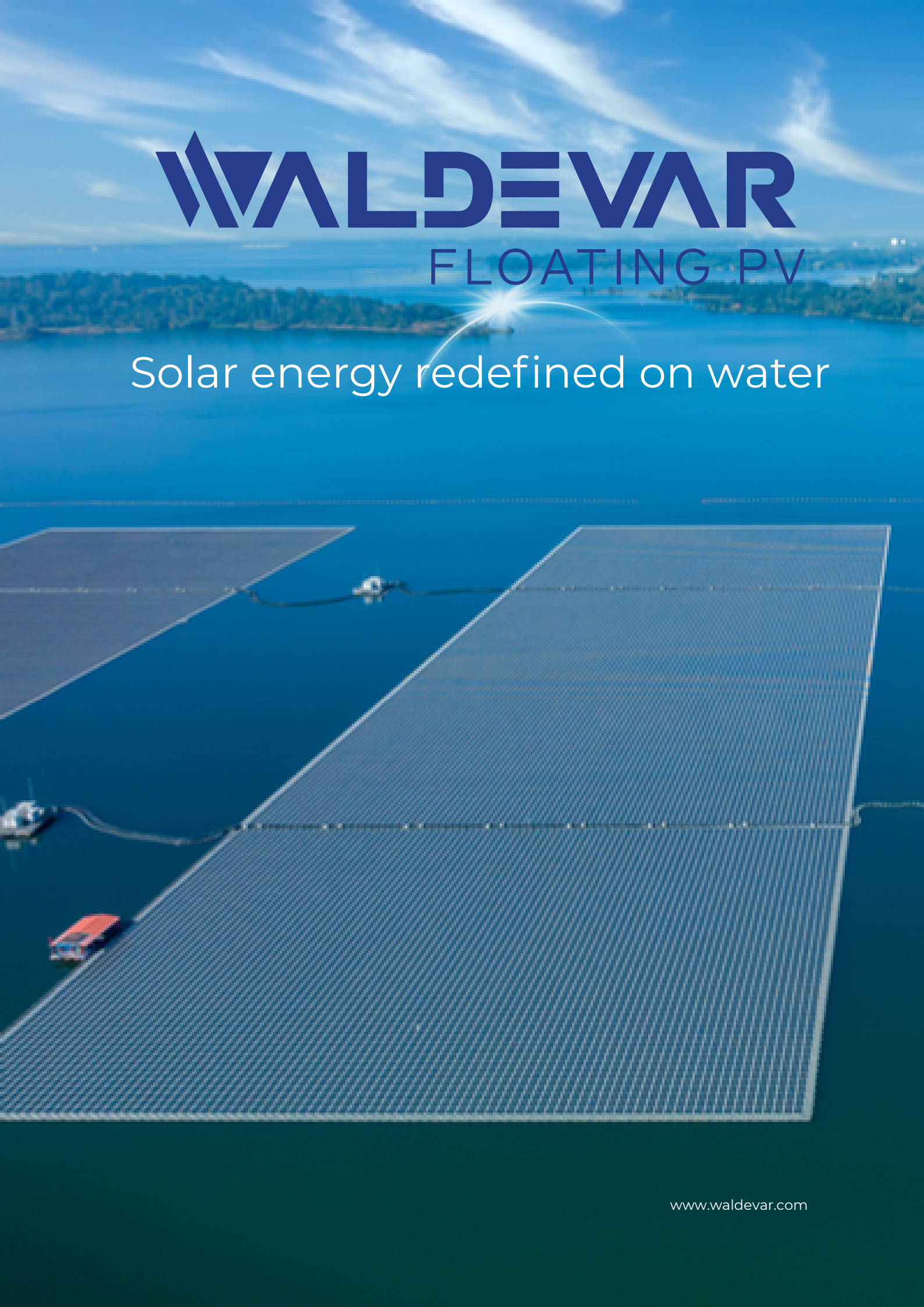




WALDEVAR

FLOATING PV

Solar energy redefined on water



Floating photovoltaic (FPV) systems offer a powerful opportunity for businesses to lead in sustainable innovation. By transforming **water surfaces into clean energy hubs**, FPV maximizes space efficiency and unlocks new revenue streams without competing for valuable land.

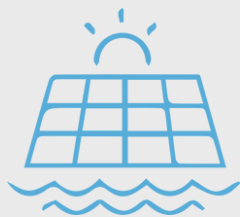
Panel performance are enhanced by water cooling effect, boosting energy output and returns. FPV also reduces water evaporation and algae proliferation, making it a **smart long-term investment**. For forward-thinking enterprises and governments, FPV isn't just green, it's a strategic advantage in a competitive low-carbon economy.

Embracing FPV means driving profitability while leading the transition to a resilient and energy-secure future.

Protect land. Preserve water. Produce energy.

The next generation of energy is built on water.

WALDEVAR Floating PV offers end-to-end floating photovoltaic solutions, including bathymetric and geotechnical surveys, design and engineering of all components (including substations), construction, and maintenance, helping businesses unlock new value from water surfaces and take the lead in the clean energy economy.





Our new division, **WALDEVAR Floating PV**, serves as an innovation hub in floating photovoltaic systems. It leverages the technical expertise of **Sungrow Floating PV**, the global FPV leader, which contributes the system know-how while WALDEVAR fully finances the investment. This partnership will result in Europe's largest factory dedicated to floating photovoltaic systems, a scalable business model we plan to expand to the U.S.A.



No.1

Global Market Share

Source: S&P Global

290+

Patent

4 GW+

Global application

320+

Global Project

Sungrow FPV Sci.& Tech.Co.,LTD. is a key high-tech enterprise dedicated to providing floating PV system solutions, committing itself to delivering solutions for different application scenarios worldwide.

www.sungrowfpv.com

4+GW global application





Why choose us?

With over **1,5 GW of installed and secured large projects**, **WALDEVAR Energy** has rapidly emerged as a key player in the renewable energy industry.

Through its commitment to innovation and large-scale solar development, the company continues to drive the transition towards a sustainable energy future.



Șimleu II, SĂLAJ, România 49 MW



We expertly scale and replicate ground PV operations to water FPV **with top-tier quality and compliance.**

From land to water, we're pushing the boundaries of solar innovation.

It's time to float the future.

WALDEVAR numbers speak for themselves.

MIDDLE MANAGEMENT & LOGISTICS

73+



PROJECT ENGINEERS

43+



WORKFORCE

1200+



+ 1,5 GW



ACTIVE OFFICES IN EUROPE

5



ONGOING PROJECTS

29+

EQUIVALENT OF PLANTING

57+

MIL. TREES



**data valid on Q2 2025*

Europe's **largest** FPV factory

Strategically positioned along Bucharest's main Ring Road, on a plot of 40,000 sqm, it offers exceptional logistic advantages.

In order to reduce its carbon footprint, the factory will be powered by a 2.6 MW photovoltaic park and backed by an advanced Battery Energy Storage System (BESS), reinforcing our commitment to sustainable energy practices.

Our factory will use state of the art blow-molding equipment.

The factory will serve as an **innovation hub**, where our specialists will deliver services including environmental impact assessments, bathymetric and geotechnical analyses, meteorological and wave forecasting and tailored anchoring solutions.

WALDEVAR represents your **one-stop shop** for cutting-edge floating PV, ground PV, rooftop PV design and delivery, execution and operation & maintenance all in one place.



A scalable annual production capacity of 600 MW

An aerial photograph of a large-scale floating photovoltaic (PV) system installed on a reservoir in Thailand. The image shows several long, rectangular solar panels floating in the water, connected by thin cables. The surrounding landscape is lush and green, with a dam visible in the background. The text "Float smart. Invest wise. Power the future." is overlaid on the upper portion of the image.

Float smart. Invest wise.
Power the future.

58.5 MW, THAILAND, Sungrow Floating PV

Many still see FPV through outdated myths. Yet today's technology proves it's stable, efficient and economically smart. **Let's talk facts!**



Reliable

Modern FPV systems are built for strength, with advanced anchoring that ensures stability in any condition.



Efficient

Cooler water boosts panel performance, often exceeding land-based PV efficiency.



Cost-effective

Higher upfront costs are offset by long-term savings in efficiency, land and water use.



Eco-friendly

FPV systems can coexist with aquatic ecosystems, helping to reduce algae growth while supporting healthier fish habitats.



Scalable

FPV is scalable and suitable for a wide range of water bodies, from reservoirs to industrial ponds.



Durable



Engineered to meet a 25-year service life

Stable



The overlapping design of the combiner floaters makes the buoyancy transmission more stable

Higher



The junctions between the main floating bodies are increased and the stability is higher

Wider



Wide walkway design (21 inches) makes operation and maintenance convenient and safer

Corrosivity



Our floating system resists to corrosion

The technology

HIGH REGIONAL ADAPTABILITY

Tilt angle adjustable up to 15°, with snow load tolerance, to suit diverse regional conditions, from 0.25 kN/m²- 1.65 kN/m².

HIGH SYSTEM CAPACITY

System capacity of up to 1.80 MW per ha delivering optimal power generation while maintaining high energy density.

HIGH SYSTEM STRENGTH, EASY MAINTENANCE

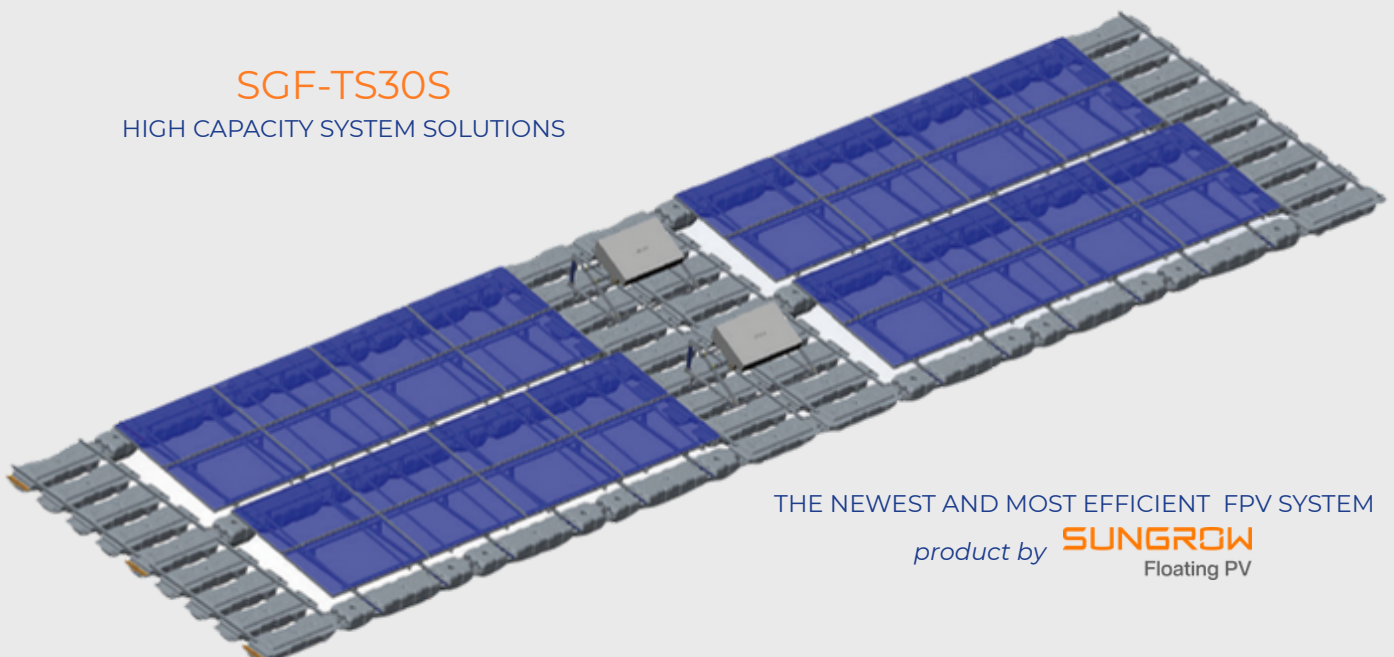
Engineered to withstand wind speeds of up to 260 mph, with customizable maintenance walkways tailored to specific site conditions.

WATER CONSERVATION

With a minimum water surface coverage of 20.6% and a system design that allows natural light flow, the ecological impact on the underwater environment is significantly reduced.

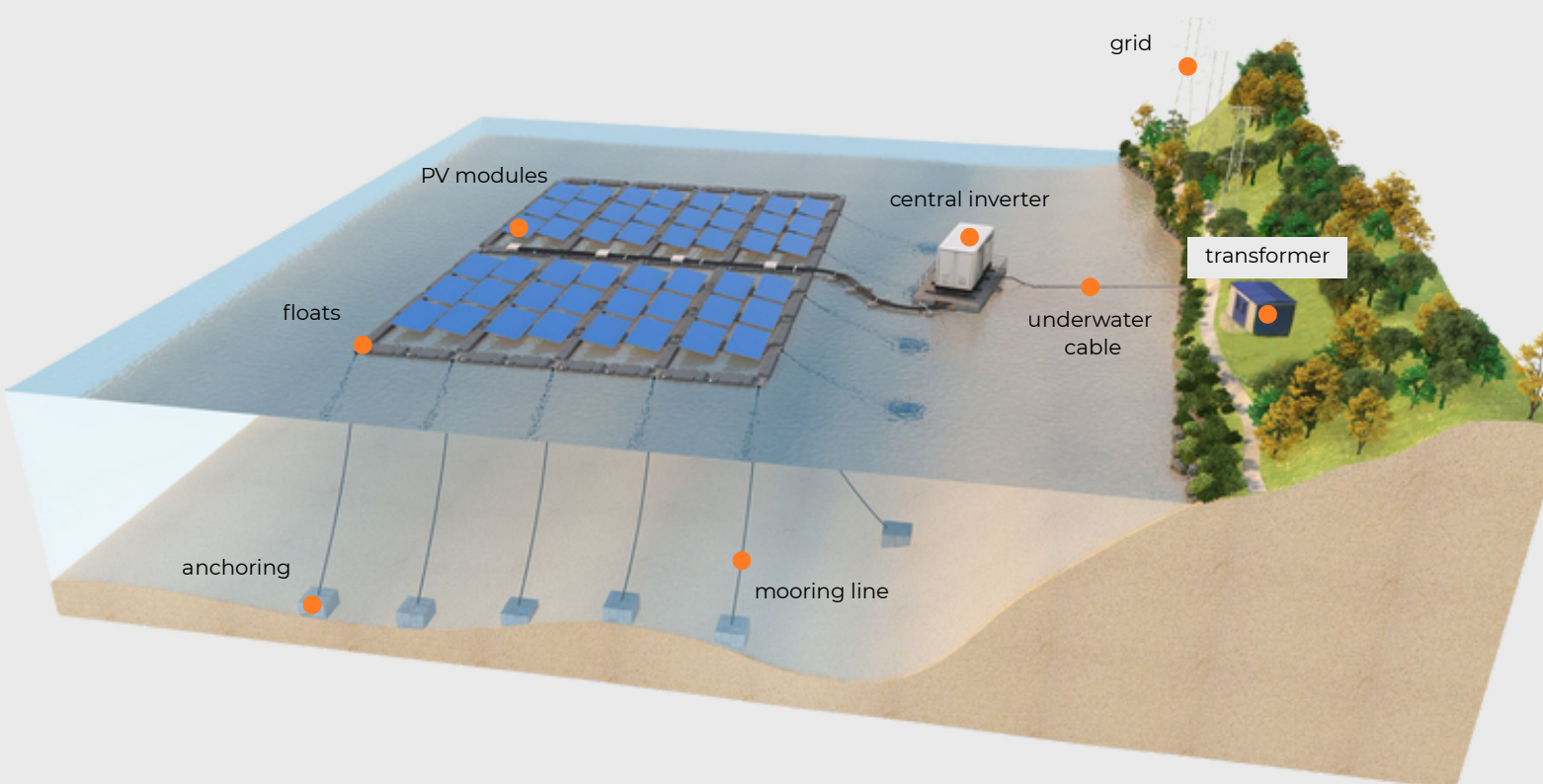
SGF-TS30S

HIGH CAPACITY SYSTEM SOLUTIONS



THE NEWEST AND MOST EFFICIENT FPV SYSTEM

product by **SUNGROW**
Floating PV



Factors in selecting a water body for a floating photovoltaic plant

Factor	High preference	Low preference
LOCATION	• Near populated regions • Easily accessible by road • Secured/fenced • Near key production points to enhance logistical efficiency	• Remote places with high transportation cost
WEATHER AND CLIMATE	• High solar irradiation • Little wind or storms • Calm water • In a low-rainfall area where sustainable water management is critical	• Cold regions with freezing water • High winds and risk of natural disasters such as typhoons and tsunamis • Seasonal flooding • Drought events that lead to exposure of water bed
TYPE OF WATER BODY	• Hydroelectric power generation reservoirs • Mining support reservoirs • Gravel pit • Industrial process water reservoirs • Cooling water reservoirs for power plants • Multi-purpose Industrial supply reservoirs	• Natural lakes • Tourist or recreational sites



Why invest in Floating PV?

Floating photovoltaic systems turn water surfaces into clean energy sources, helping preserve land for agriculture and development. Thanks to the cooling effect of water, they offer higher efficiency compared to ground-mounted systems, reducing evaporation and protecting vital water reserves.

With a minimal environmental footprint, floating PV requires no land excavation or deforestation and installations are fully reversible. Systems are designed for durability, with **a lifespan of up to 25 years**, ensuring long-term energy production and stable returns.

In the United States, depending on factors like location and climate conditions, **1 MWp of floating PV can generate up to 2,050 MWh/ year.**

For example, 1 MW installed on Lake Mead can produce approximately 1,800 MWh annually.

A smart, scalable solution for a sustainable energy future.

WALDEVAR is your **one-stop shop for cutting-edge FPV** design, delivery, execution and O & M, all in one place.

Floating solar technology is the most efficient and forward-thinking way to turn water surfaces into powerful business assets.

HEADQUARTER

11 Emil Gârleanu Street, 077910, Voluntari, România

fpv@waldevar.com

+40(313) 333 333

www.waldevar.com/fpv

