



## Floating photovoltaic system

### System

The **SLake floating photovoltaic system** is the solar power plant for artificial inland waters. Thanks to its modular and scalable design, **the system can be individually adapted to different project requirements**. The robust system was **designed in harmony with nature and environmental protection** and **meets the highest demands**.

### Applications




#### Use on quarry lakes / open-cast lakes

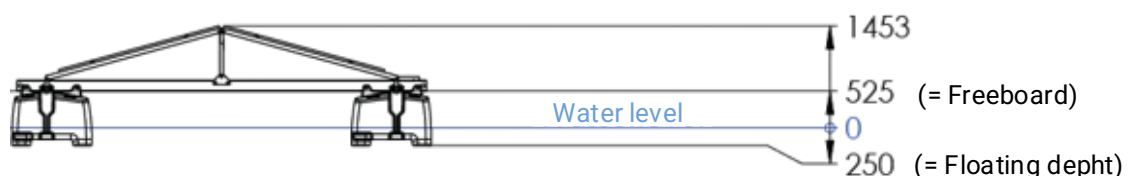
SLake is particularly suitable for gravel plants or open-cast mining in order to become independent of the volatile electricity price and at the same time achieve the set climate targets. The waters used for rock mining can thus be put to another useful use.

#### Use in sewage treatment plants

Fining ponds are classified as technical installations and are therefore not subject to the provisions of the Water Resources Act. The entire water surface can theoretically be used for occupancy with photovoltaic systems.

### Advantages

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**Less evaporation:** The partially concealed water surface is exposed to less sunlight, which means that the water heats up less.
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**Creation of new habitats:** The floating elements provide protection for animals and promote biodiversity by creating new habitats.
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**Increased Efficiency:** Due to the cooling effect of the water, the PV modules achieve an approx. 5% higher yield compared to land-based systems.

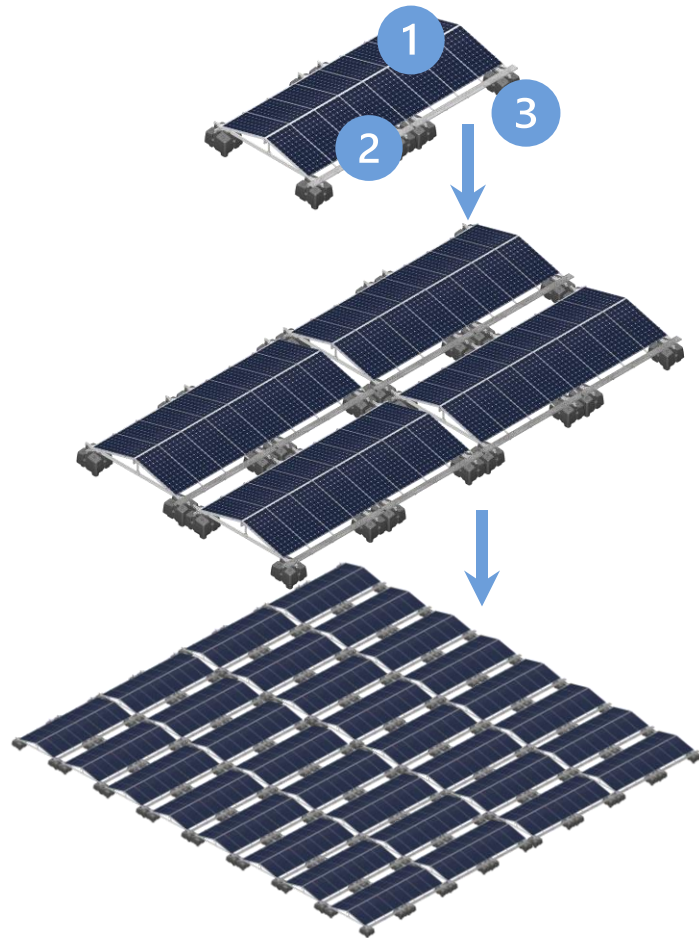





## Quarry lakes | Open-cast lakes | Finishing pond | Reservoirs

### Construction

- 1 Highest quality photovoltaic modules**  
Monocrystalline HJT-Module
- 2 Structure** made of cost-effective and weather-resistant aluminium profiles
- 3 Floats** made of food-safe material



### Key facts (Block)

-  **10,88 kW<sub>p</sub>** per block
-  **6,08 m x 11,15 m x 1,7 m**  
Length x Width x Depth
-  **2,5 m** max. wave height

