

Floating Solar

Clean Power for Clean Water



What Is Floating Solar?

Floating Solar is a proven, rapidly grown type of renewable energy generation that uses HDPE floats to support solar panels on bodies of freshwater. Its advantages include minimized land use, increased solar efficiency, and decreased evaporation and algae blooms.

Key Customer Segments



Water Agencies



Agriculture



Heavy Industry



Hydroelectric

Noria's Development Offerings

Feasibility Study

Understand your potential project's technical, environmental, and economic viability.

Development Services

Includes design, permitting, engineering, and assistance in creating a competitive bid process.

Full-Service Power Purchase Agreement (PPA)

Secure a fixed, long-term electricity rate with no upfront capital, shielding your business from Utility cost fluctuations.

Project Showcase

Healdsburg Water Treatment Plant

Healdsburg, CA
4.8 MW
January, 2021



Was the largest project in the US when built. Fulfills 8% of the city's electricity needs & reduces harmful algae blooms in the water supply used for local agriculture irrigation.



Urrea Hydroelectric Reservoir

Córdoba, Colombia
1.4 MW
February, 2023

First-of-its-kind project in Colombia to help diversify the country's energy generation mix. Largest system on a hydroelectric reservoir in the Western Hemisphere.





Products

AquaPhi™

Rotational solar tracker that increases energy production by 10-20%. Underwater thrusters control island position and orientation. AquaPhi™ simplifies installation, O&M, and is compatible with leading float designs.

10-20% More Energy

Rotational tracking of the sun

Simplified O&M

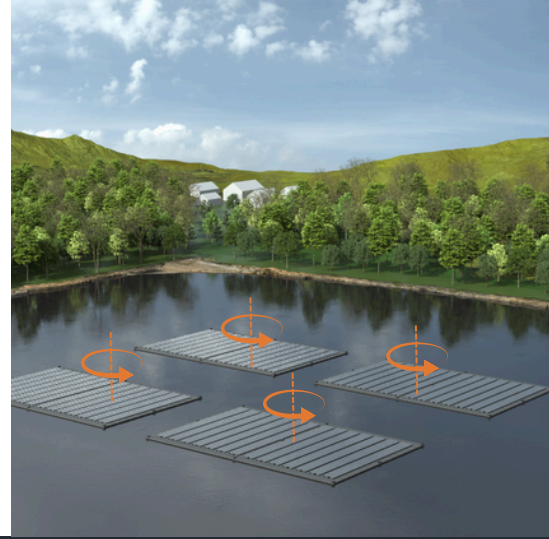
Real-time diagnostics

Higher Project Returns

More production, same or lower costs

Proven Technology

Designed for industry-leading floats



AirOn™

Flat-pack racking with streamlined manufacturing, shipping, and installation. The TPO-based floats use BASF additives for 30+ year reliability in the field.

System Bio

Noria installed the **first flat-pack racking system** at BASF's McIntosh site in AL in Nov. 2022. The system offsets power used by surface aerators to treat the pond's water.

Water Treatment Integration

The same hardware used for solar tracking can be configured to power onsite water treatment and monitoring equipment. Use excess energy from the system to manage your water quality.

System Bio

Noria installed a floating **solar-powered lake destratifier** on Grand Lake in OK in Oct. 2023. The system mixes a section of the reservoir to prevent conditions that contribute to algae blooms.

