

BIODIVERSITY

In conjunction with Sustainable Development Goals (SDG): May 2025

INNOVATION IN RENEWABLE ENERGY AND SUSTAINABILITY

Floating solar panels generate clean energy while reducing water evaporation, promoting conservation. Cypark integrates renewable energy with ecology, ensuring sustainability for both power and biodiversity.



ADJACENT BIODIVERSE HABITAT

The solar plant is situated on a lake known for its rich biodiversity, home to over 30 fish species and diverse aquatic plants. Its design and operations prioritize ecological balance, minimizing disruption while supporting sustainable fish populations and habitat health.



CONSERVATION AND RESTORATION EFFORTS

Cypark has undertaken habitat restoration by planting native aquatic vegetation, creating shelter and breeding grounds for local fish species. The Department of Fisheries reports improved water quality, increased fish diversity, and higher catch rates for local fishermen. Additionally, invasive species like *Salvinia* have been cleared to prevent ecological degradation and peat formation, ensuring the lake remains viable for fisheries.



!!! WHAT IS BIODIVERSITY? !!!

Biodiversity is the variety of life on Earth, including different species, ecosystems, and genetic differences within organisms. It is essential for maintaining ecological balance, supporting food chains, and providing resources like clean air, water, and medicine.

It exists at three levels:

- **Genetic Diversity** – Differences within a species.
- **Species Diversity** – Variety of species in an ecosystem.
- **Ecosystem Diversity** – Different habitats like forests, oceans.



EMPOWERING LOCAL FISHING COMMUNITIES

Cypark partners with local fishing communities to promote sustainable practices aligned with biodiversity goals. This collaboration has enhanced fishermen's economic benefits through healthier fish stocks, demonstrating a positive impact on the community.

