Floating Photovoltaics: A New Way to Attenuate Climate Change on Lakes and Reservoirs

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Inglés II - 2021





FLOATING SOLAR PANELS

- Features
- Functionality

USES

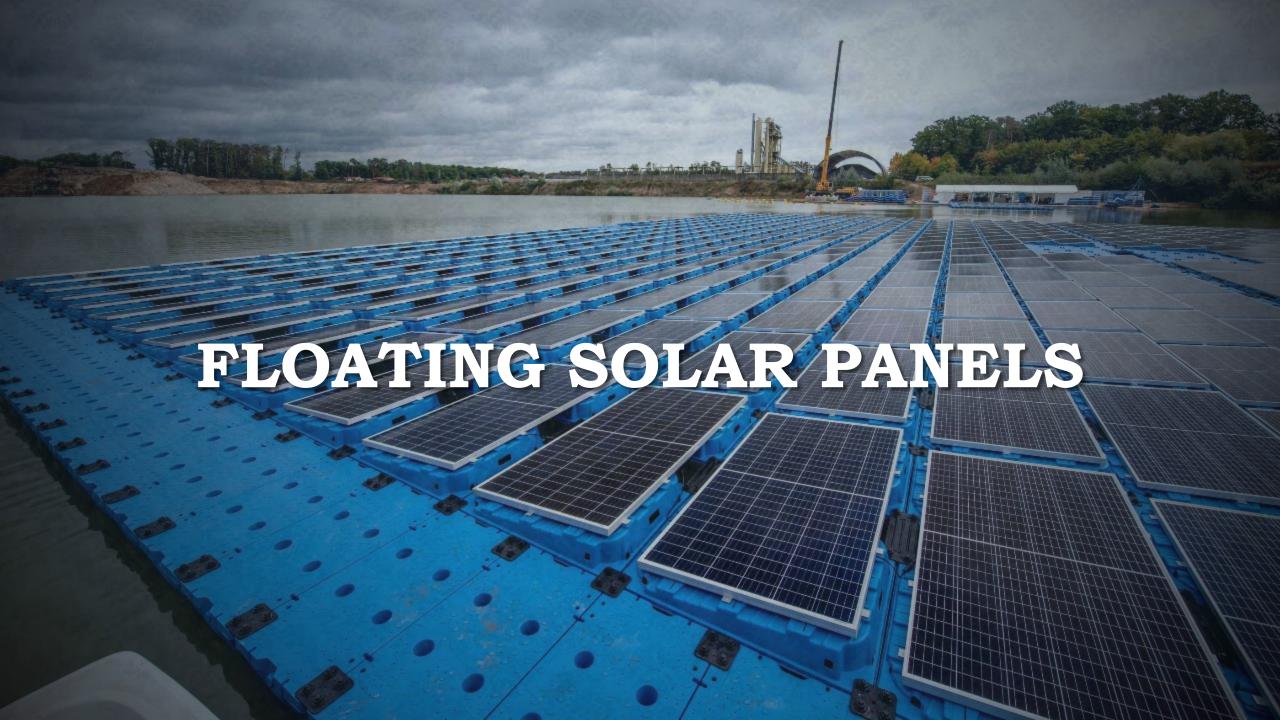
- Locations
- Conditions
- Costs

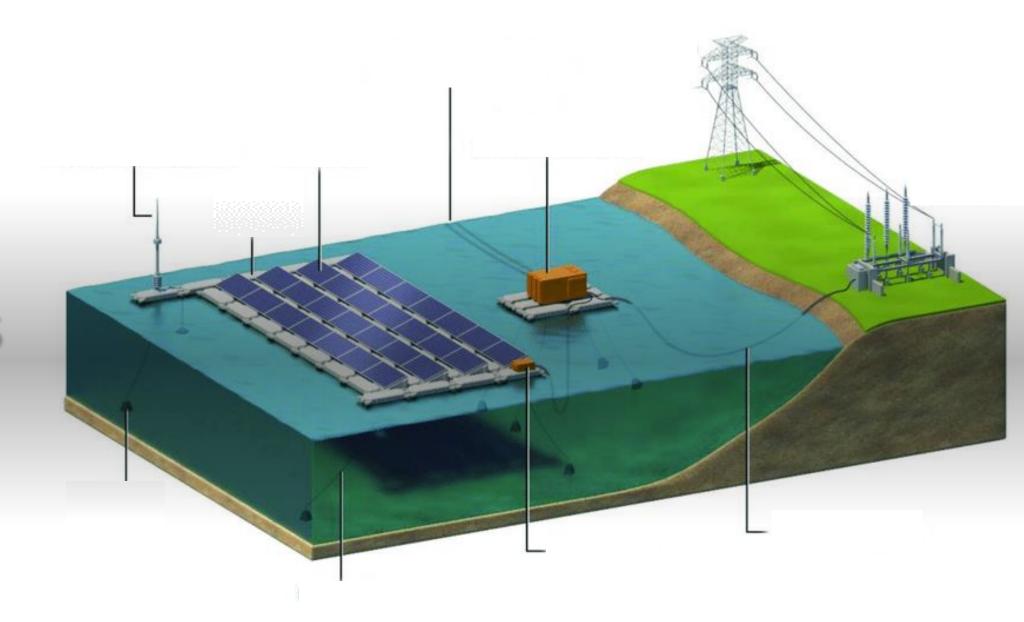
ENVIROMENTAL IMPACT

Benefits of FPVs

EXAMPLES

- "Aichi Project"
- "Fotovoltaico"
- "K-water"
- "Okegawa"



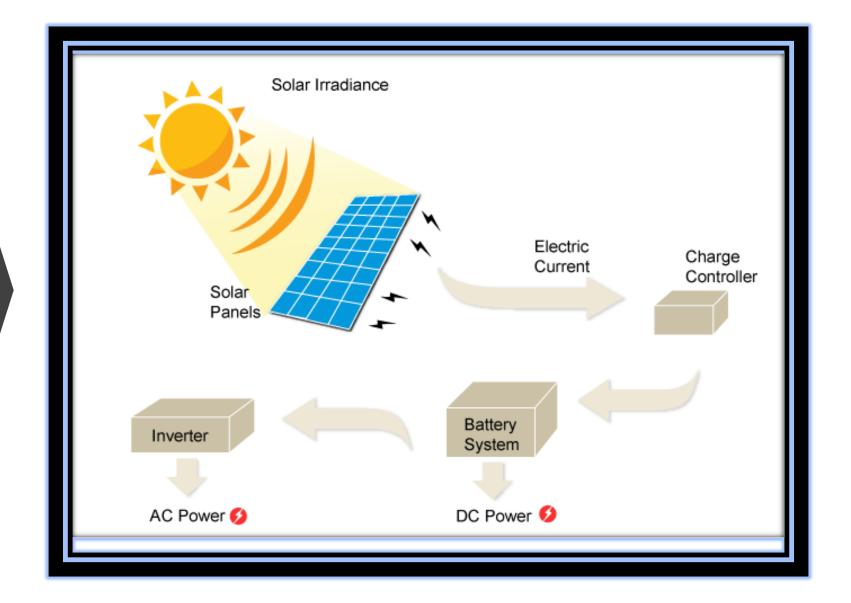


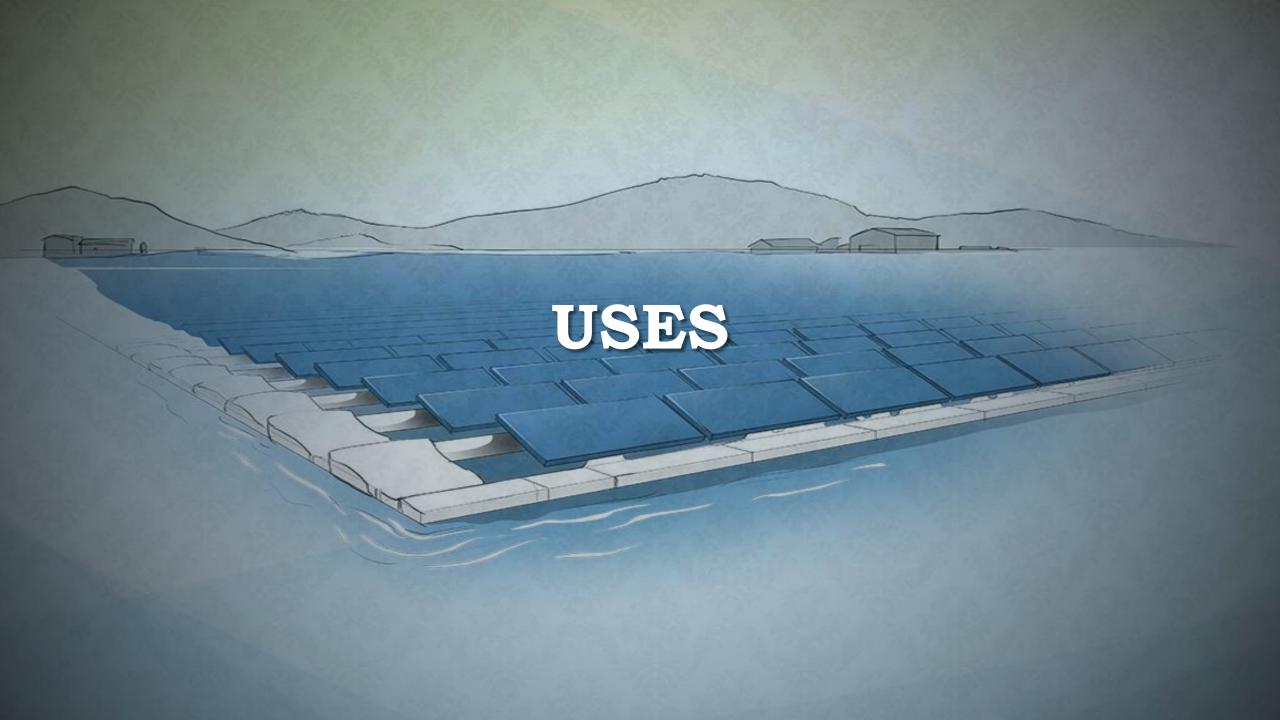
Features

Load n-type silicon Junction p-type silicon Electron Flow **Photons** from Sunlight "Hole" Flow

FUNCTIONALITY

Functionality

















ENVIRONMENTAL IMPACT

- Reducing evaporation from water reservoirs, as the solar panels provide shade and limit the evaporative effects of wind.
- > Self-cooling capabilities, which eliminates the need of extra electricity used for regular cooling.
- Improving water quality, by shading the water and as a consequence, reducing algae growth.
- Making use of space of water bodies, as opposed to using more land.



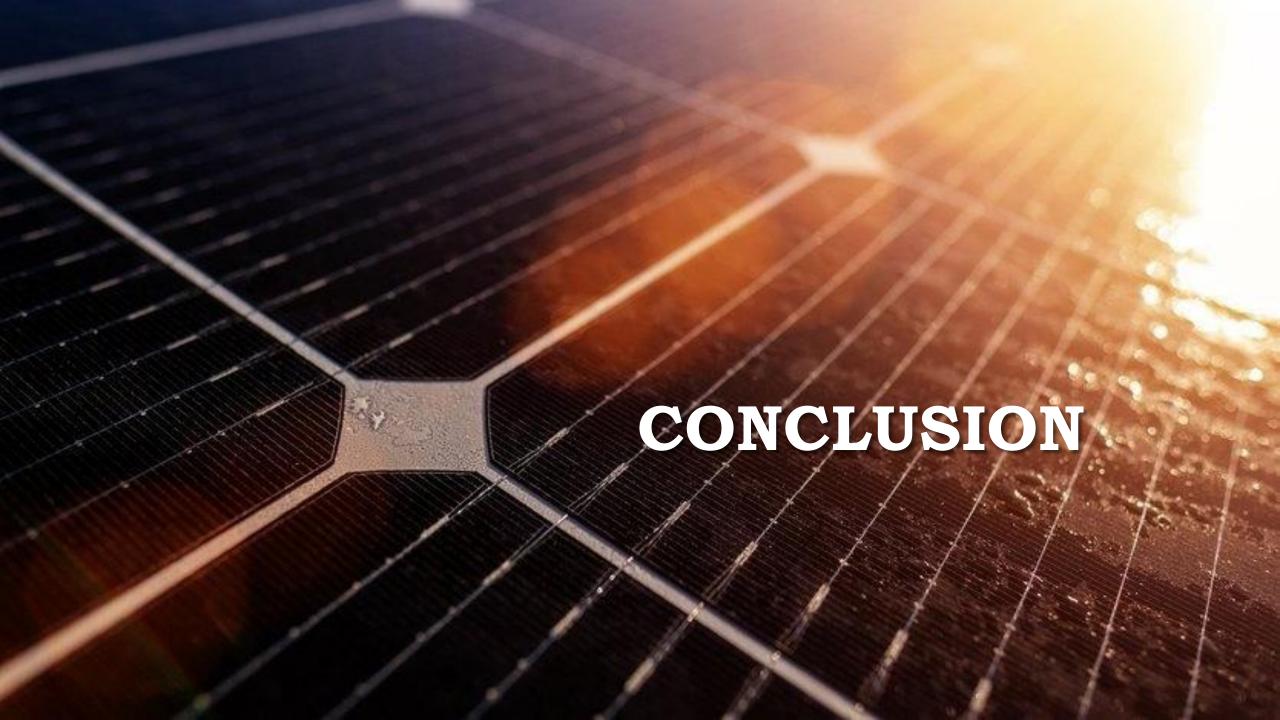














THANK YOU FOR YOUR ATTENTION