



Solar Dock: Charging the Future of Maritime Decarbonization



A scalable solution to dock and charge electric and hybrid boats



Innovations

- First dual-use application of solar for charging electric vessels
- Rapid construction using 3D concrete printing technology
- Hurricane-proof design with durable and low-CO₂ concrete
- Foundation creates marine habitats with nature-positive, artificial reef design

Impacts

- Build charging infrastructure for recreational electric boats, hybrid ferries, and electric tugs
- Reduce maritime emissions (3% of global GHGs)
- Upgrade aging US port infrastructure
- Provide back-up source of electricity for coastal facilities