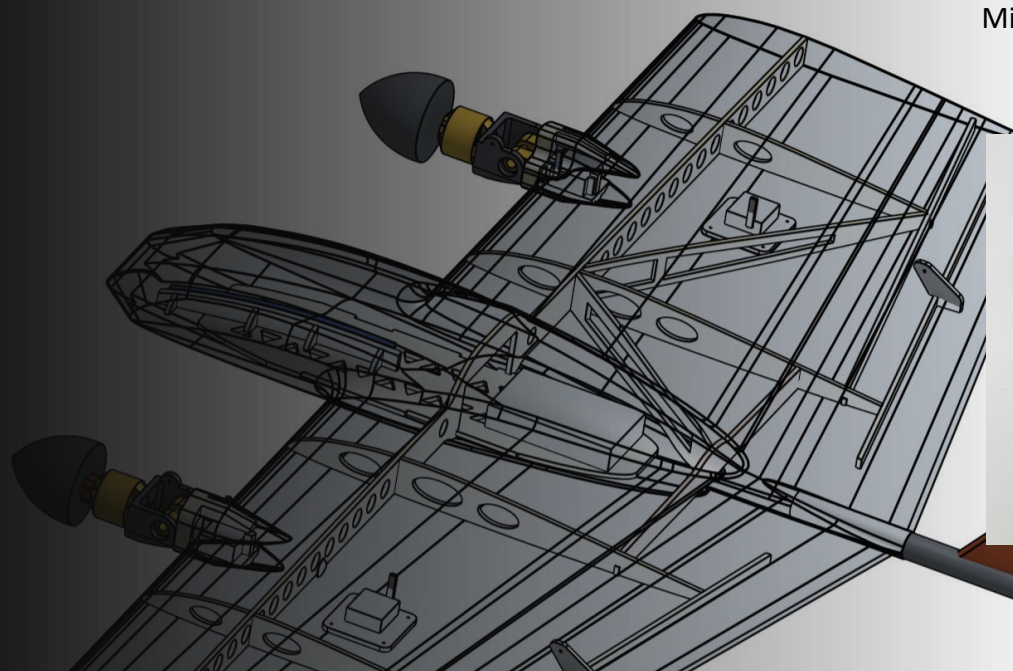


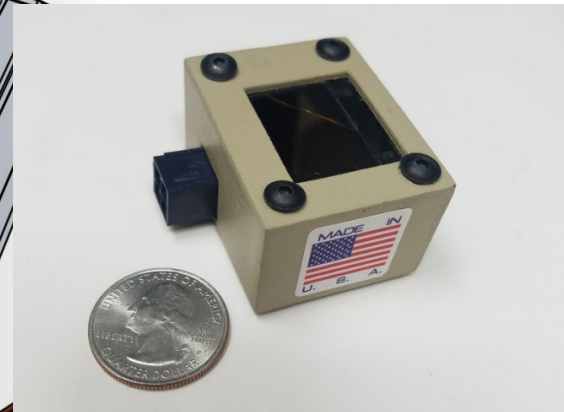


Tempus UAS is developing a solar charged drone that can operate indefinitely over open water. By combing the ability to float, vertical takeoff and landing and solar charging we are creating a solution that can operate in and on the water. The platform integrates a flexible sensor and data acquisition system that can be utilized for a variety of mission profiles such as search and rescue and climate research.

The unmanned platform is made from foam so that it will not sink and can self right, using articulated motors. By using a proprietary solar charging solution we optimize the charge cycles and keep it ready to be tasked remotely for operation at any time. By integrating X.25 satellite communications as well as 802.11ax Tempus UAS is able to stream live data ad HD video over long distances.



Micro Power electronics system designed to manage the unique demands of remote unmanned platforms



Waterproof Vertical take-off Solar Unmanned Sensor Platform	
Airframe Material	EPP foam and composite
Ready to fly weight	27lb
Video ability:	1080P real time video link
Energy Source:	Lithium Ion batteries
Charging	Integrated solar on wings
Flight duration	3 hours
Waterproof	IP68 watertight rating



Flex solar integrated into wings enabling continuous operation of system without human intervention

