

How Power Moves Us

ALTERNATIVE ENERGY

Similar to popular hybrid vehicles, this vessel uses power generated by wind, solar and electricity with some fuel, but far less than other boats. By testing these technologies on this boat, we'll learn how to replicate them on bigger vessels that use large amounts of fuel.

CONVERTING RESOURCES

This vessel's wind turbines and solar panels generate direct current power (DC), most of which is inverted to create alternating current power (AC). Additional AC power is supplied by state-of-the-art diesel generators and clean, local energy from the utility grid.

USING POWER

The direct current (DC) is used to power the navigational equipment and small LED lighting (Light Emitting Diodes), while the alternating current (AC) is used for low power LED lighting, monitors and the electric motors that propel the boat.

