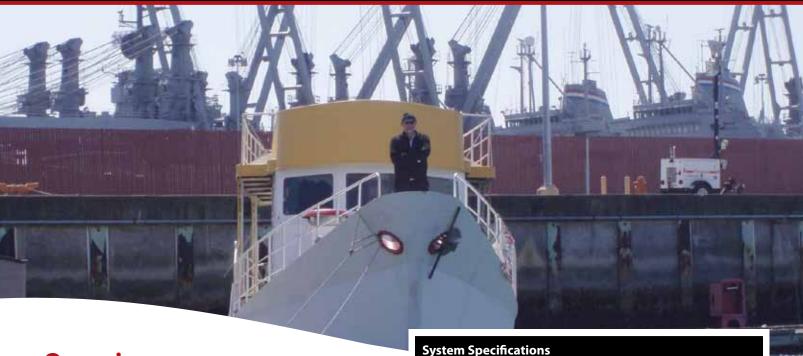


Case Study: International Rescue Group

OutBack Marine Solar Power System Installation



Overview

International Rescue Group is a non-profit organization based in California that provides first-line support and humanitarian aid to disaster-hit coastal communities in developing nations. After a tsunami, hurricane or other catastrophic event, International Rescue Group's volunteers enter the area on boats to deliver life-saving and sustaining medical help, supplies, fresh water and food.

As part of its mission, this all-volunteer organization is dedicated to keeping its environmental footprint as small and green as possible.

International Rescue Group boats run on donated diesel-electric hybrid drive engines, which reduce fuel consumption. The *Thunderbird 2* – a large, re-purposed steel trawler – also has a sailing rig so if necessary, it can travel into disaster areas without burning fuel. As part of this lowfuel-impact approach, International Rescue Group wanted the option to harness solar energy to power both Thunderbird 2 and its onboard water-making system, which desalinate ocean water and makes it potable through reverse osmosis.



We have a dual mission: aid survivors of coastal disasters and protect the surrounding environment as we go about our work. Solar power is the most effective way to reach both goals, and OutBack Power's FLEXmax 80 is perfect for what we hope to achieve."

Ray Thackeray

Executive Director, International Rescue Group

Location: Almeda, California

System Power: 1.5kW

System Components: FLEXmax 80 Charge Controllers





Benefits

- Reduces annual fuel costs by \$40,000
- Provides cleaner, greener and quieter sailing for the boat's crew, the survivors it serves, and the regions through which it travels
- On-screen display of amp/hours generated per day measures overall system efficiency
- Demonstrates green, lean practices and operations for fundraising purposes

