

Hurricane Prediction

Capture frequent 3-D ocean data during rapid hurricane intensification to improve decision making.



Seafloor Mapping

Measure shapes and depths of the ocean floor in poorly mapped areas globally in the most cost-effective and sustainable manner.



Soundscape Monitoring

Tune into ocean sounds to monitor marine mammal communications and quantify the impact of noise pollution.



Limitless Power and Unprecedented Flexibility

Specifications:

Hull diameter: 8" (20.3 cm)

Length: 74" (188 cm) [without antenna]

Weight: 121 lbs (55 kg)

Depth Rating: 1,000 meters

Energy: >10 kJ (3 Wh) depending on temperature

Mission Endurance: Energy no longer a limitation

Sensors: CTD, Echosounder and Hydrophone

Satellite Communication: Iridium RUDICS

Data Processing: Linux computer



SEATREC

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SEATREC

Introducing



Infinite Thermal Energy with the infinITE™ Float

- Limitless power
- Plug and play modularity
- Increase profiles by 30x

seatrec.com

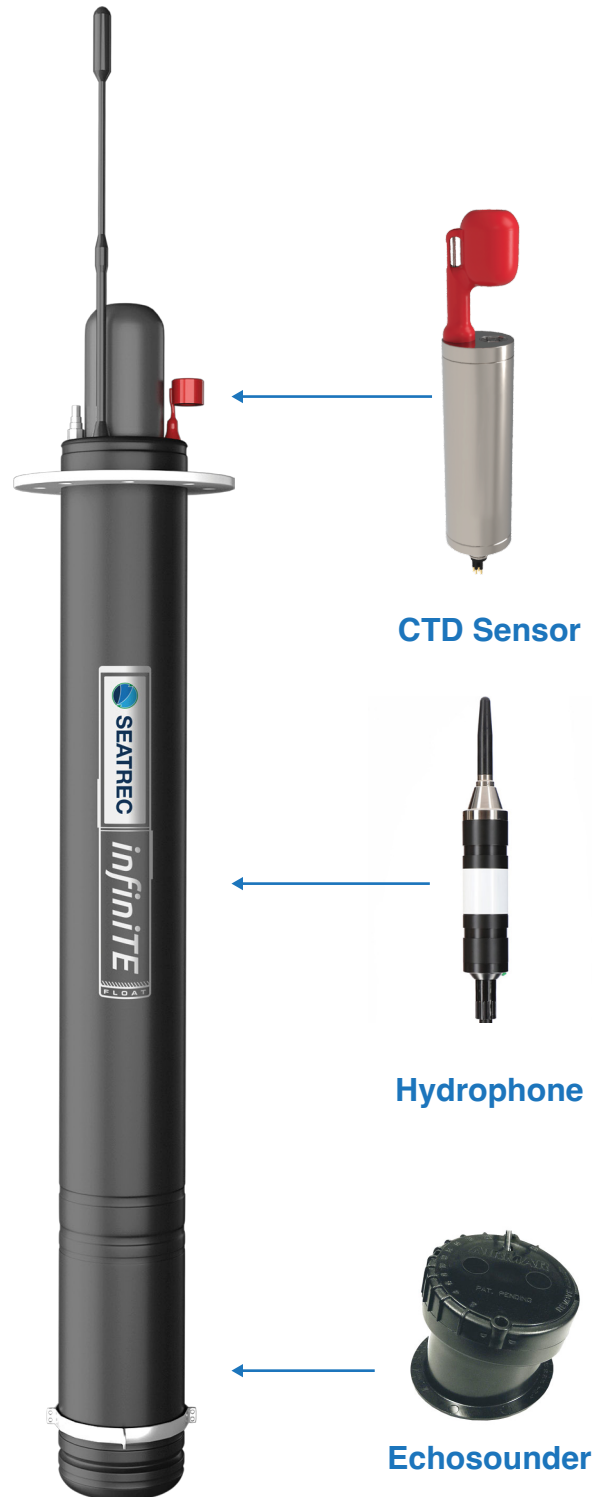


Introducing

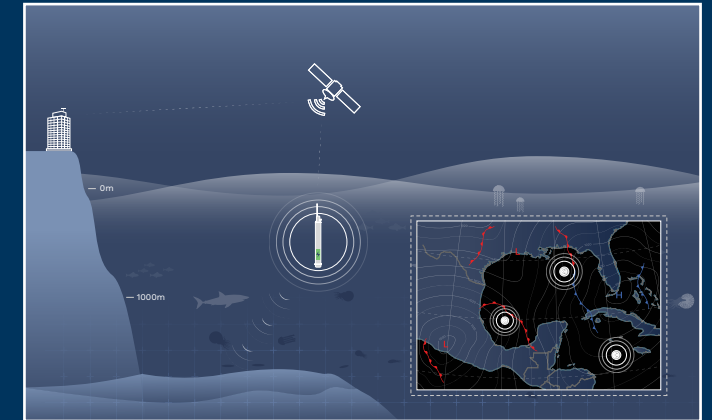
infiniTE™
FLOAT

Scientists have long dreamed of using floats to conduct oceanographic research across applications as diverse as seafloor mapping, soundscape monitoring, and hurricane prediction. Seatrec makes this dream a reality with the launch of our infinITE™ float – the first-of-its-kind platform with plug-and-play sensors, powered by clean, renewable energy to solve the power limitation issues of legacy floats. The platform vertically integrates a wide range of sensors (previously impossible to mount on a float because of power limitations) with a pioneering energy harvesting system that generates electricity from the ocean's temperature differences.

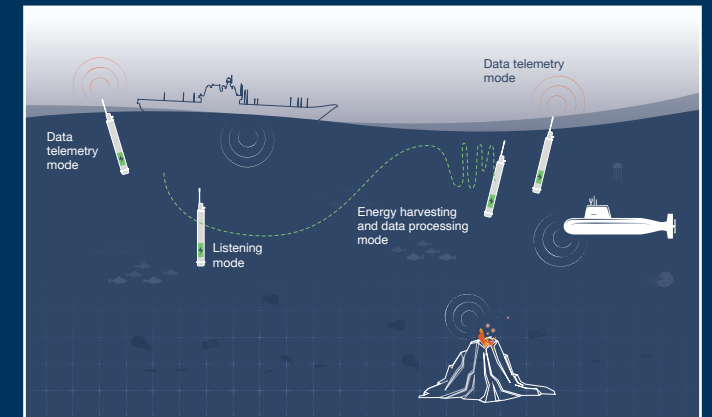
Seatrec floats can profile up to 3x per day, at a depth of up to 1000 meters compared to legacy floats that profile once every 10 days. These next-generation floats can be launched from sailboats with no carbon footprint and are built for endurance, facilitating long-term, data-gathering deployments.



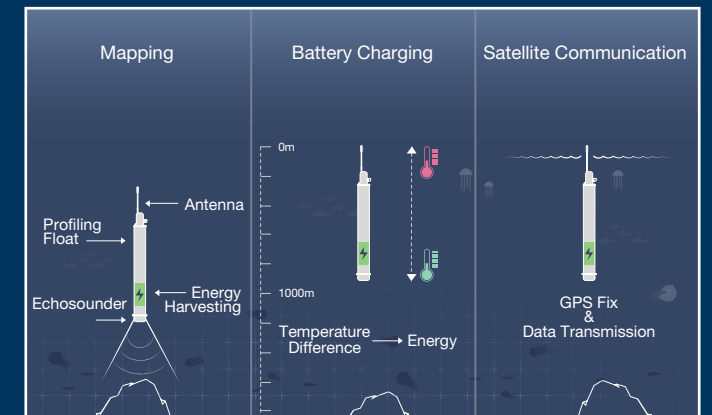
Applications



Hurricane Prediction



Soundscape Monitoring



Seafloor Mapping