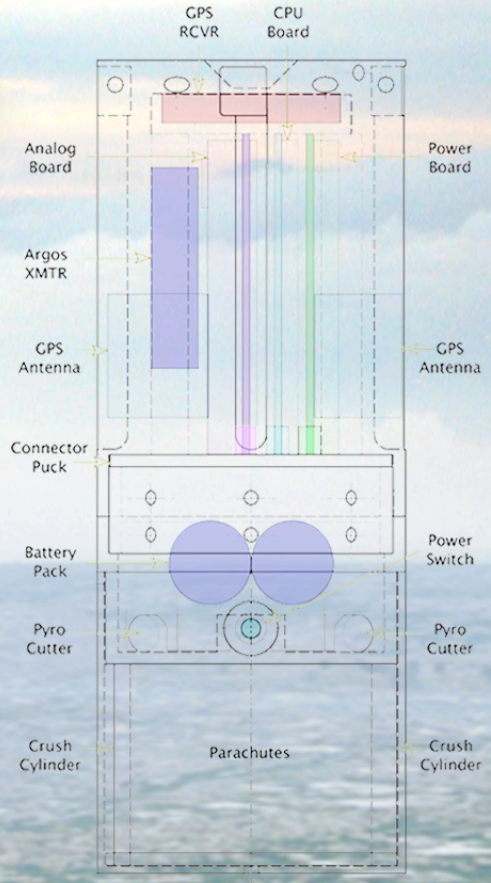
SENSCI CORPORATION

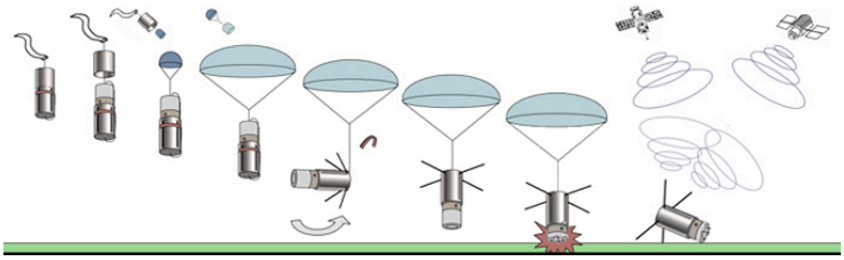
R.D.E.S.P.

Remotely Deployed Environmental Sensing Package



- The Sensci RDESP is a disposable sensor platform in a miniaturized package.
- RDESP survives hostile conditions to report sensor and GPS data via satellite uplink worldwide.
- RDESP can be customized to detect a variety of phenomena for specific missions.

RDESP System Timeline



1) The RDESP is ejected or dropped from an aircraft and passively deploys a streamer.

2) The streamer pulls the cap off to release the drogue chute and power up the system.

3) The drogue chute deploys, the computer boots and starts collecting deceleration data.

4) When the dynamic pressure drops sufficiently, the computer deploys the main chute.

5) At a lower speed, the unit flips 180 degrees and the satellite uplink antennas deploy.

6) The vehicle continues to descend hanging from the secondary anchor point.

7) The vehicle lands on its parachute compartment (which acts as a shock absorber).

8) GPS and sensor data are processed and uplinked to satellites.

Specifications

Operational Temperature Range:	-40 to +85 degrees celsius
Storage Temperature Range:	-55 to +85 degrees celsius
Operating Life:	3-6 hours
Storage Life:	10 years
Size with Antennas Folded:	168 mm (6.6") tall, 63.5 mm (2.5") diameter
Total Mass with Standard 3-Stage Decelerator:	770 grams (1.7 pounds)
Maximum Deployment Speed:	200 meters per second (450 MPH)
Interface to Delivery Platform:	None Required
Data Delivery Method:	Data are automatically e-mailed to the user
Operational Coverage:	Worldwide

SENSCI

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