

SSS BLUEBOTTLE

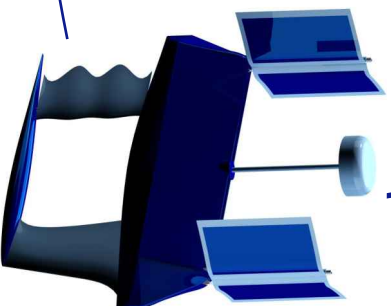
Unmanned Surface Vessel (USV)

Capabilities:

1. Intelligence and data gathering in a marine environment
2. Self - sustaining no fuel, no crew, no supplies and no one in harms way
3. Self-deploying and retrieving, roam widely or stay on station, endurance of months to years in all weather conditions
4. One man controls and monitors multiple platforms in a network.
5. Large payload capacity for customer's sensors and communications
6. Low cost per byte of data ratio possible is described by the CSIRO as 'disruptive'
7. Adjunct to manned and unmanned aircraft, manned ships and submarine operations
8. **Development Plan**
March 2014 first bluebottle TRL 6-7 off Australia uploading oceanographic data for CSIRO

Discriminators:

1. Five times the data transmission capacity, speed, power and payload v known competitors
2. Lower cost per unit than that of an aerial drone or manned ship.
3. Stebercraft has 67 years experience of selling marine craft to Navy, Fisheries, Police and Maritime, and export to many countries, with QA to ISO9001.
4. Solar Sailor has 13 years of IP development with proven technology and deliverables. The bluebottle capacity has been proven with an engineering development model.
5. Protected by multiple patents world wide



Key Customers:

- Australian Department of Defence
- Australian Government
- Australian Marine Rescue
- Fisheries
- Australian Federal Police (AFP)
- HK Jockey Club
- Captain Cook Cruises

Key Partners:

- University of Wollongong
- Australian Technology Showcase (ATS)
- AIMEX
- NSW Industry & Investment

STEBER INTERNATIONAL
STEBER-CRAFT PTY. LTD.



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SSS BLUEBOTTLE

UNMANNED SURFACE VESSEL



Specifications:

Model:	Big Blue	Blue Stinger	Blue Nemo
LOA:	5.9m	3.5m	1.9m
Sails:	Twin/Single	Twin	Single
Weight: (depending on attachments)	1000kg	500kg	200kg
Height Above W/L:	3.0m	2.5m	1.65m
Draft:	2.0m	1.6m	0.65m
Avg. Motor Speed:	4 knots	3 knots	2 knots
Sailing Speed: (15 knots wind)	4 knots	3 knots	2 knots
Payload Space:	80kg	40kg	20kg
Battery Power:	10 Days	5 days	3 Days
Shipping:	Modular packing for Container Transport		

Standard Sensors:

Varying Sensors available, but not limited to;

Radar

Gyro Stabilised Gimbal Camera

VEMCO - sound sensor for whales - specific signature

Hydrophone

AIS

Conductivity, Temperature, pressure, dissolved oxygen sensor

Combo fluorometer and turbidity sensor

Two scattering and one fluorescence sensor

Weather station

Multi-spectral radiometer

Downward looking ecosounder

ADCP

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