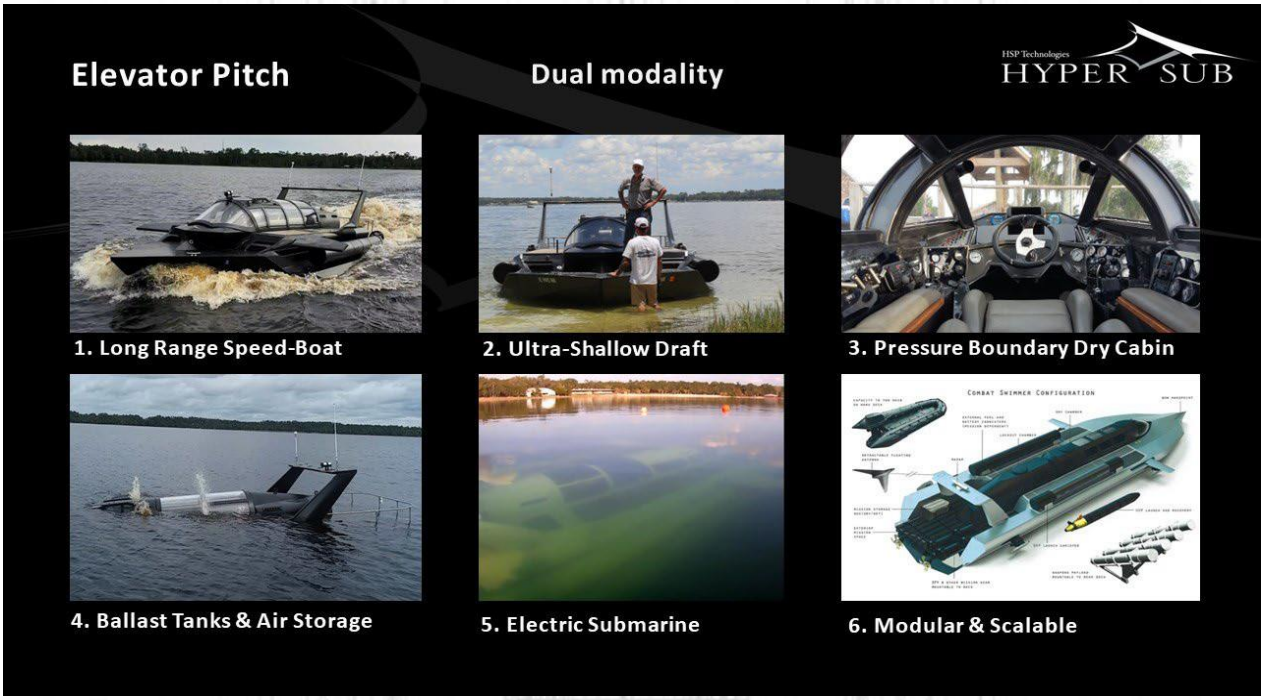
Hyper-Sub Platform Technologies Inc.
Capability Statement

Hyper-Sub Platform Technologies Inc. (HSP) is the design house that created, developed and builds the Fast Boat Submarine (FBS), the world's first dual modality, dual use marine vessel operating equally efficiently as both a long-range speedboat and pressure proof, dry cabin submarine. The ingenious design is highly scalable and modular, employing multiple different cabin configurations and payload packages for a wide variety of Littoral Concepts of Operation. It can also be upgraded with after-market capabilities as emerging technology and requirements develop, including autonomy and AI algorithms. As a speedboat, FBS can be quickly launched from any dock, boat ramp and beach or river estuary, can travel hundreds of miles on the surface and arrive quickly at a dive site; then unlike any other vessel before, it can dive for extended periods and long distances as a submarine, to a depth of 500ft. (150m) simply by engaging a few control switches. All while keeping crew dry, warm and safe from the effects of pressure.



HSP Company Information:

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HSP Personnel Engineering Provenance:
Technical Certification Authority under NAVSEA/ SOCOM's S301 & S351 Dry Combat SEAL delivery submersible program.

Pressure Vessels for Human Occupancy Engineering Specialist in Naval submarines, submersibles, deep-sea saturation diver systems, hyperbaric chambers, aerospace training simulators and deep space habitats

Certification Authority for Multi Role Combat (MRCC) SEAL delivery

Leadership experience with American Bureau of Shipping, DNV GL and Germanischer Lloyd International Association of Class Societies (ACS)

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Capability Statement

Differentiator over competitors:

- 500ft /150m depth rating
- Dry Cabin – personnel safe from elements
- Modularity & scalability 1 vessel - multiple mission sets
- Subsea operations measured in days not hours
- Over the horizon self-delivery to ORP

Overview of FBS Specifications:

FBS Standard Dimensions

- Length Overall: 45’ 2” /14m
- Beam: 16’ 6” (5m)
- Draft: 2’ 6” (0.8m)

Surface Vessel Performance

- Fuel Capacity: 525 gallons/ 1,987 l Diesel
- Wide Open Throttle: 35 mph/ 57 kph / 31 kts
- Planing speed: achieved in 8 seconds

Submerged Performance

- Max Submerged Speed: 5.5 kts / 10 Kph
- Maximum Dive Depth 500 feet /152m
- Submerged range: 140nm / 260 Km @ 1.4Kts / 2.6 Kph
- Engine snorkels for submerged recharge of batteries

Navigation & Communication (options)

- Surface Navigation Radar & all navigation lighting
- Long-range 3-D subsea navigation sonar
- Imaging sonar for obstacle avoidance
- Echosounder with chart plotter
- Auto Nav and waypoint following package
- HD Zoom IP camera & dimmable LED lights
- Photonics mast periscope

Safety Features

- 3 independent methods of surfacing
- Atmospheric monitoring & scrubber
- Emergency life-support 48 hrs. per passenger
- Emergency Strobe lights
- Dual frequency underwater telephone
- Engine compartment / Halon auto dump

Overview of Concepts of Operation:

Suggested Defense Mission Profiles:

- Crewed or uncrewed autonomous profiles
- C4 Intelligence Surveillance & Reconnaissance
- Swimmer Delivery (lock in/out)
- Mine Countermeasures & EOD
- Special Forces Operations
- UUV/UAV mother vessel
- Riverine & Estuarine Ops
- EW Jamming & Spoofing
- Border & Coastal patrol
- Anti-Submarine Warfare
- OPV /LPD/ integration
- Amphibious operations

Commercial Applications:

- Eco Tourism
- Ocean Science
- Salvage & Recovery
- Offshore Energy

FBS is delivered with full IACS certification.
Above specifications are a guideline only- system is scalable and proportionately modular - please discuss requirements