



Amphibious Surveillance Platforms

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SkyDoc™ Background

SkyDoc™ Systems, Inc incorporated in 2008 as a separate company from her sister company Floatograph Technologies, LLC.

SkyDoc™ Systems, Inc. specializes in the design and integration of custom surveillance & communications solutions for land based mobile and amphibious small craft security operations.

The SkyDoc™ AXE4LT-6H design was developed specifically for shipboard and small craft use.

The SkyDoc™ Aerostat is specially designed for use in a marine environment in all types of weather both ashore and afloat.

This combination of a small launch system and aerostat that is adaptable to the marine environment allows for many uses from surveillance, signal intelligence, communications another applications.



Mobile Systems In the Military

Iraq with the USMC

- 2004 – 2006 3 sites
- Aerial Communications Relay

Mobile Tethered “Balloons”

- Altitude 1000 – 2000 ft.
- Endurance 1 – 14 days
- Payload 200 – 500 lbs
- Gas Helium (non- flammable)

Examples of payloads

- SIGINT surveillance
- Communication relay
- Surveillance Cameras
- Intelligence gathering

The Evolution to Aerostats

- Military planners are now focusing on the small tethered and less costly aerostat which SkyDoc™ provides.



US Navy Aerostat



SkyDoc™ Aerostat with sensors

- EO/IR Camera system
 - Over the horizon or forward looking EO/IR system for surface search (25 – 30 Miles)
- SIGINT
 - Systems to detect handheld satellite communications devices
 - GSM Cell phone detection systems
- Comms Relay
 - Relay of critical information
 - Expansion of battle group bandwidth
- Lightweight Radar
 - Possible carriage of light weight radar system if desired

Fulcrum Technology Group Background

Boat building may not exactly be rocket science, but it helps to have that kind of knowledge in the design team. While it's a long way from the Black Knight rocket team in Farnborough, UK to Fulcrum Boat in Raleigh NC, our founder and chief designer made that journey with notable stops along the way.

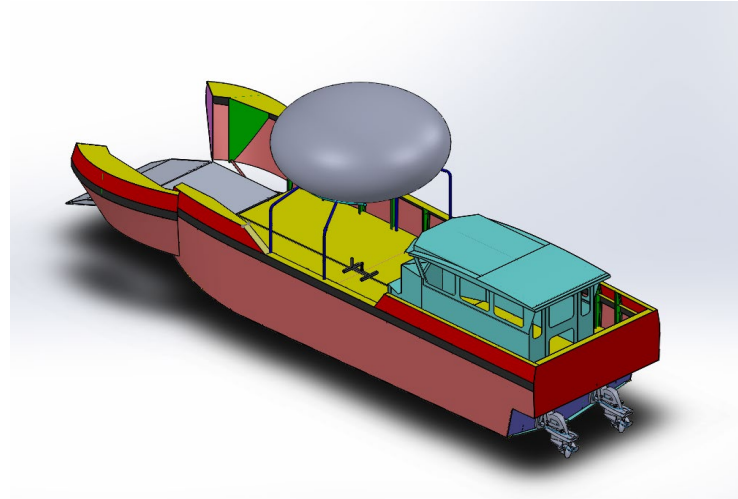
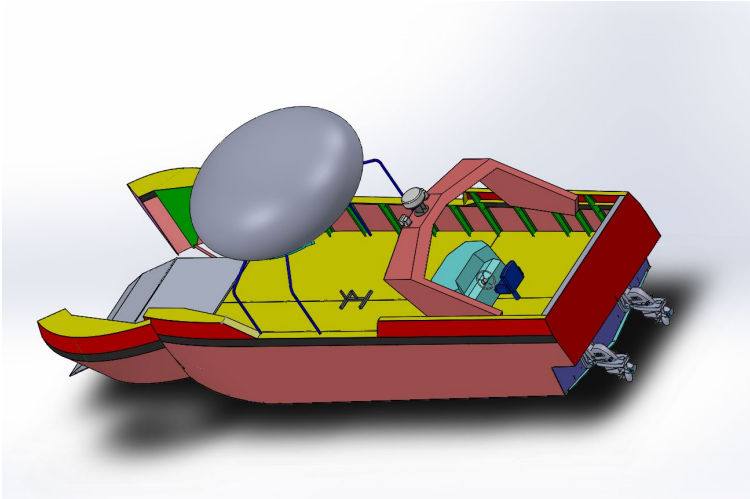
From the initial concept for the Fulcrum Boat Corporation product range we knew that we had to combine practical usefulness with a distinct modern style that would set our boats apart from the standard "commercial box" designs so common in the aluminum boat market, especially when looking at landing craft. Thus the conception of Fulcrum Technology Group. At every stage, for every model, we surpassed anything currently available. In some cases, our efforts improved designs and in others were totally unique. Regardless of type or purpose, all Fulcrum models include the unique patented Bow Door and Folding Ramp system that is our signature.



What We Offer

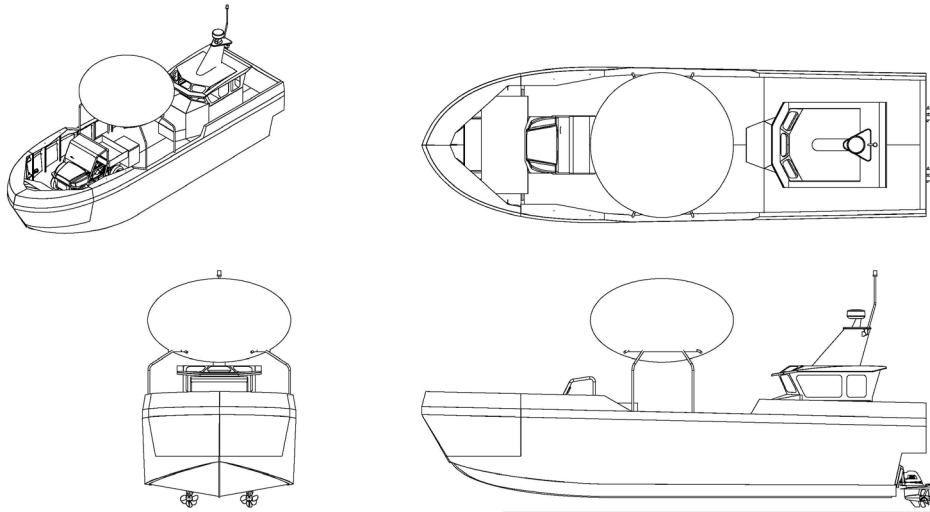


Mobile Amphibious Security Options

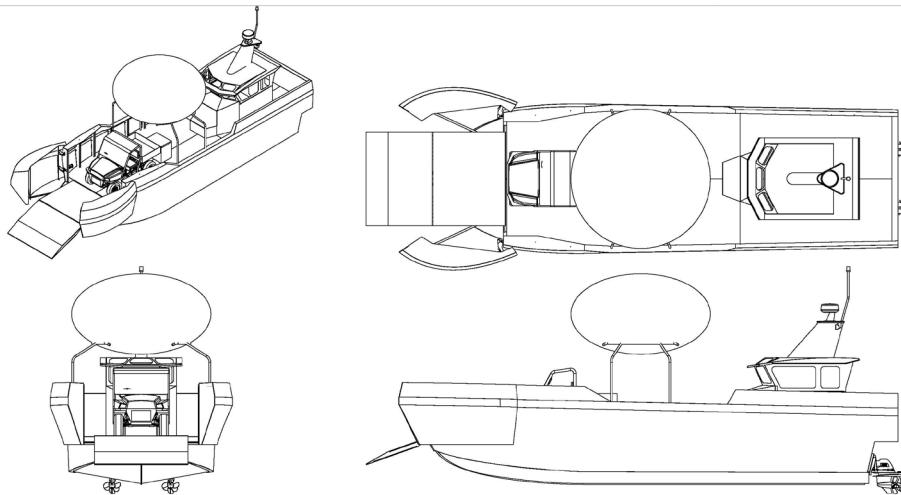


Fulcrum Technology Group and SkyDoc™ Systems offer a new concept for border patrol, port security, and beach incursions in a hostile environment. Having the SkyDoc™ surveillance system aloft on patrol and the Polaris MRZR D2 ready to deploy ashore, a rapid response team can quickly respond to any situation.

Rapid Response Patrol Craft



This diagram shows the Amphibious Patrol craft in its underway configuration with the aerostat in its cradle rest prior to launch. Once at its patrol area, the aerostat is launched to approximately 250' giving a 19-mile radius visibility for the surveillance camera. The SkyDoc™ aerostat can stay aloft during patrol in winds up to 50mph.



When the Rapid Response Team is required to go ashore the amphibious craft beaches and the military quad is disembarked. The aerostat is aloft and communicating with the team is 'real-time' directing them to the area of interest. When the operation is complete the team re-embarks on the craft and goes back on patrol.

Rapid Response Patrol Craft



Rapid Response Patrol Craft without Aerostat



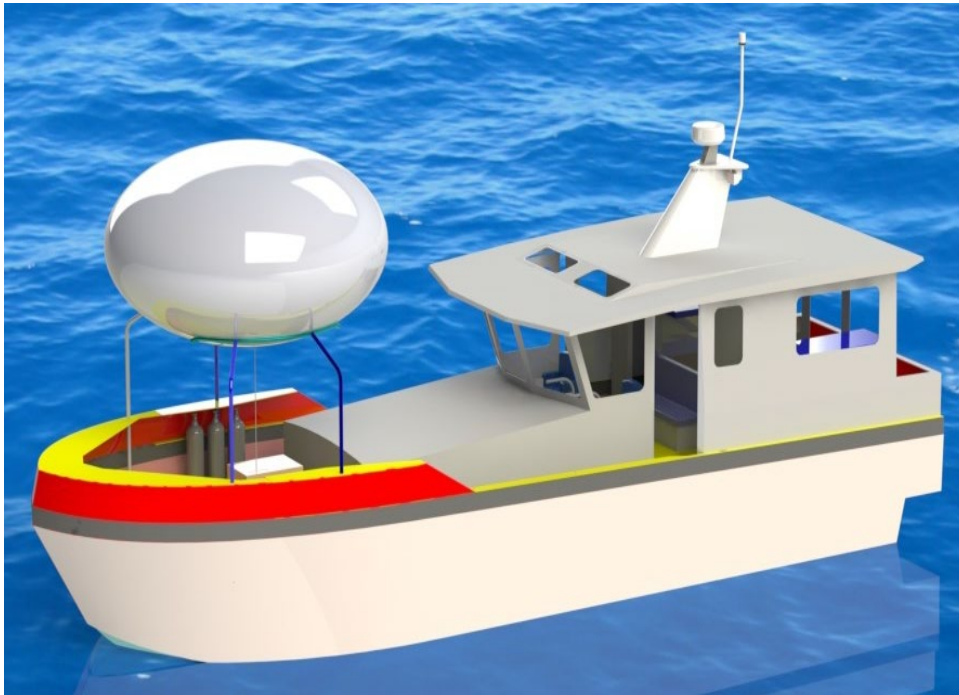
Rapid Response Team on border security patrol.

Rapid Response Team on offshore drug interdiction patrol.



Offshore Surveillance Patrol Craft

BASIC SPECIFICATIONS



- MODEL SD48-20-SD
- LOA: 48' (14.63m)
- BEAM: 15' (4.57m)
- DRAFT: 36" (0.91m)
- HEIGHT Light Waterline to top of mast: 12.27' (3.73m)
- POWER: 2xCummins X15-500 Marine Diesel
- DRIVES: 2xMJP Waterjet model X11-1050
- GENERATOR: 2xCummins/Onan 11.5KW
- SPEED: 30knots
- FUEL: 600gal (2,271L)
- FUEL Consumption (underway): 36.7gph (139L) (per hour)
- FUEL Consumption (on-station): 0.8gph (3L) (per hour)
- ACCOMMODATIONS: 10 Personnel

Skydoc™ Systems – Fulcrum Technology Security Solution

- Skydoc™ Systems, Inc. and Fulcrum Technology Group have formed an alliance to provide both government and private enterprise a solution for border patrol, inshore and offshore maritime security, waterfront warehouse, pier and harbor facilities.
- We have a variety of solutions that will enable a limited team of personnel to monitor for any type of incursion (vehicle/personnel/amphibious) in the area under surveillance.
- The Fulcrum Boat platform allows for the Skydoc™ Aerostat using a surveillance camera from a minimum vertical altitude of 250' (76m) with a radius of 19 miles (30 kilometres) up to 1,000' (304m) with a radius of (62 kilometres) surveillance capability. This allows boat security personnel ample time to communicate with their command center and keep other teams aware of possible problems that they observe while on patrol.

Please contact us with questions and/or any clarification needed on ways we may help you meet your specific need.