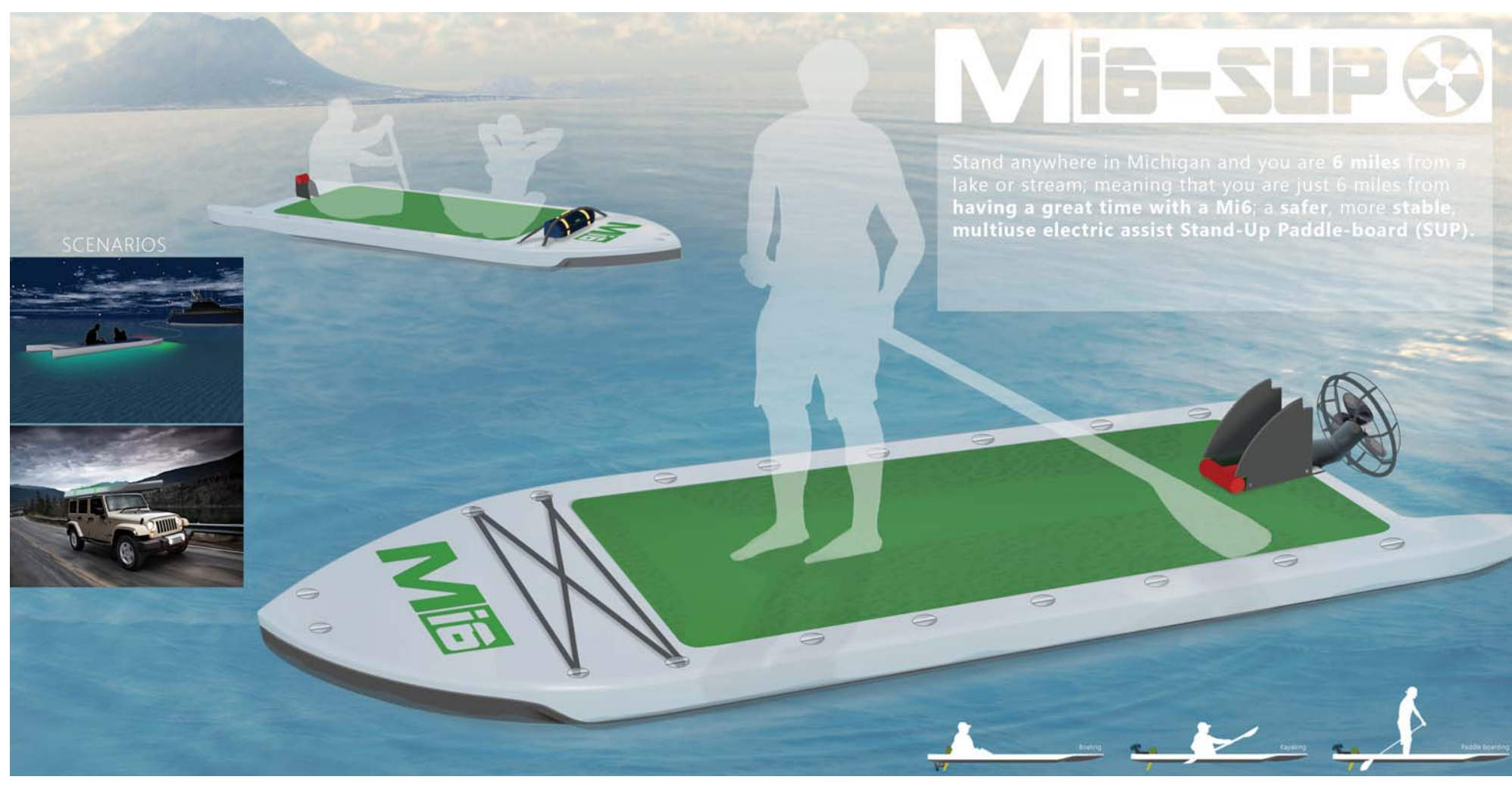


INDUSTRIAL DESIGN CONCEPT

CONCEPT NAME:

Mi6 - SUP

COMPETITION CHALLENGE: Design a physical product solution that allows people to safely enjoy the benefits of Michigan's diverse water resources.



CONCEPT DESCRIPTION

The Mi6 is designed as a better solution over present day Stand Up Paddle-Boards (SUP's), allowing people to enjoy health benefits, more destinations, more user options, and the ability for more water/weather conditions all while providing a more stable platform with its advanced hull design. The Mi6 can be used as a SUP, kayak, canoe, leisure craft, tender, and, you can even fish off of it.

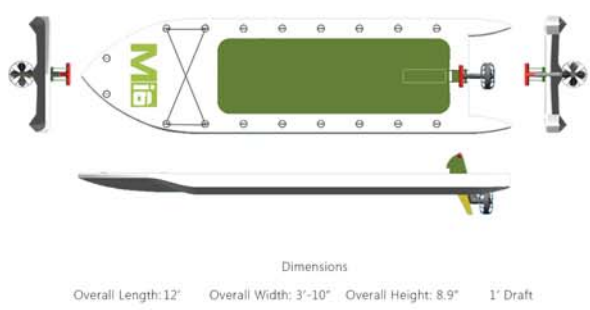
The Mi6 design is more stable than current SUP's, providing a better platform for users of differing sizes and physical condition. While current SUP hulls are flat, the Mi6 is tapered on the outside edges- creating more buoyancy. This decreases the physical requirements needed by the operator to maintain the board upright while paddling. A key feature is the propulsion system. The Mi6 incorporates a small waterproof electric motor that can take over when users become exhausted.

The Mi6 utilizes Michigan's water resources from rivers to lakes, is non-polluting and does not disrupt wildlife. The product concept also provides the health benefits of water-based exercise. As adoption of this product increases, overall water recreation will increase with a positive impact on Michigan's economy.

IDEA DEVELOPMENT & MENTORING

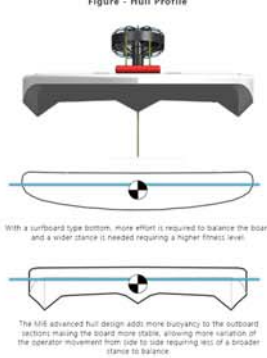


ORTHOGRAPHICS



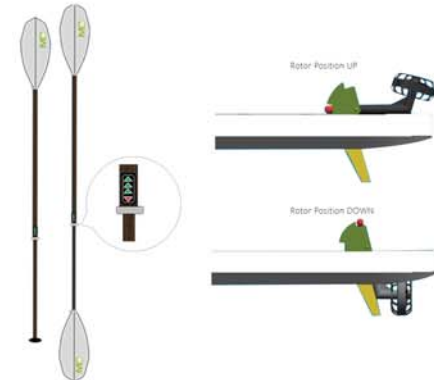
Dimensions
Overall Length: 12' Overall Width: 3'-10" Overall Height: 8.9" 1' Draft

Figure - Hull Profile



With a surfboard type bottom, more effort is required to balance the board and a wider stance is needed requiring a higher fitness user.
The Mi6 advanced hull design adds more buoyancy to the surfboard bottom meaning the board more stable, allowing more variation of the operator movement than can be risk, resulting in a broader stance to balance.

FUNCTIONS



FEATURES / USES

A versatile new product for:
- Recreation
- Leisure
- Exercise
- Transportation

Paddle or use the pop-in electric motor for effortless maneuvering. Cruise in a headwind, upstream or quickly to your destination. Controls on the single/dual paddle with 4 hours of run time.

It is a SUP, kayak, canoe, leisure craft and a tender. Paddle, exercise, cruise, standup, sit or laydown, it's up to you.

Features

New stable/safer high tech hull design
Electric assist propulsion system
Removable Battery Pack- 4 hrs. of operating time
Dual use paddle with throttle controller
LED lights for night operations
Numerous attach points for seats or tie down storage
Mold free coatings and Anti-slip surface

Includes

Carry-on bag with:
Quick Battery Charger
Extra Li-ion Battery Pack
Dual use paddle with throttle controller
Attachable light weight foldable seats

Perry DiClemente

FINALIST BIO



Perry DiClemente

COMPANY:
Air Vehicle Integration, Inc.

ENTRY GROUP:
Collegiate / Professional

MDC EVALUATION

JUDGE'S COMMENTS:

"This design takes a current watercraft platform, adds stability and power- creating a new paradigm that will attract a different type of user"

"The concept creates a high degree of usefulness and fun, with no negative environmental impact"

"The design is simple, easy to understand, and has a low-key aesthetic approach that won't detract from the natural beauty of our water-ways."

INDUSTRY PARTNER:



www.michigandesigncouncil.org