

Kurt Hughes Sailing Designs

www.multihulldesigns.com

www.multihullblog.com

- Multihull Designs: Doing More with Less.

- [Http://www.youtube.com/watch?v=9u6UepbaCKo](http://www.youtube.com/watch?v=9u6UepbaCKo)
- Every design should have a mission statement.
- Go for the highest aspect ratio that you can manage.
- All mission critical parts must be co-cured, not secondary bonded.
- Fiber orientation is everything.
- The Newick maxim of a third sailing, a third building and a third designing seems about right.

First sailing voyage.



First trimaran



First Trimaran



First Trimaran



First Trimaran



First Trimaran



First Trimaran



First Trimaran



First Trimaran



First Trimaran



First Trimaran



First Office

- All hand drawn



First Office



Children as Design Imperative



Children as Design Imperative



Charles



Tomcat 30- 1981



Tomcat 30-



Tomcat 30-



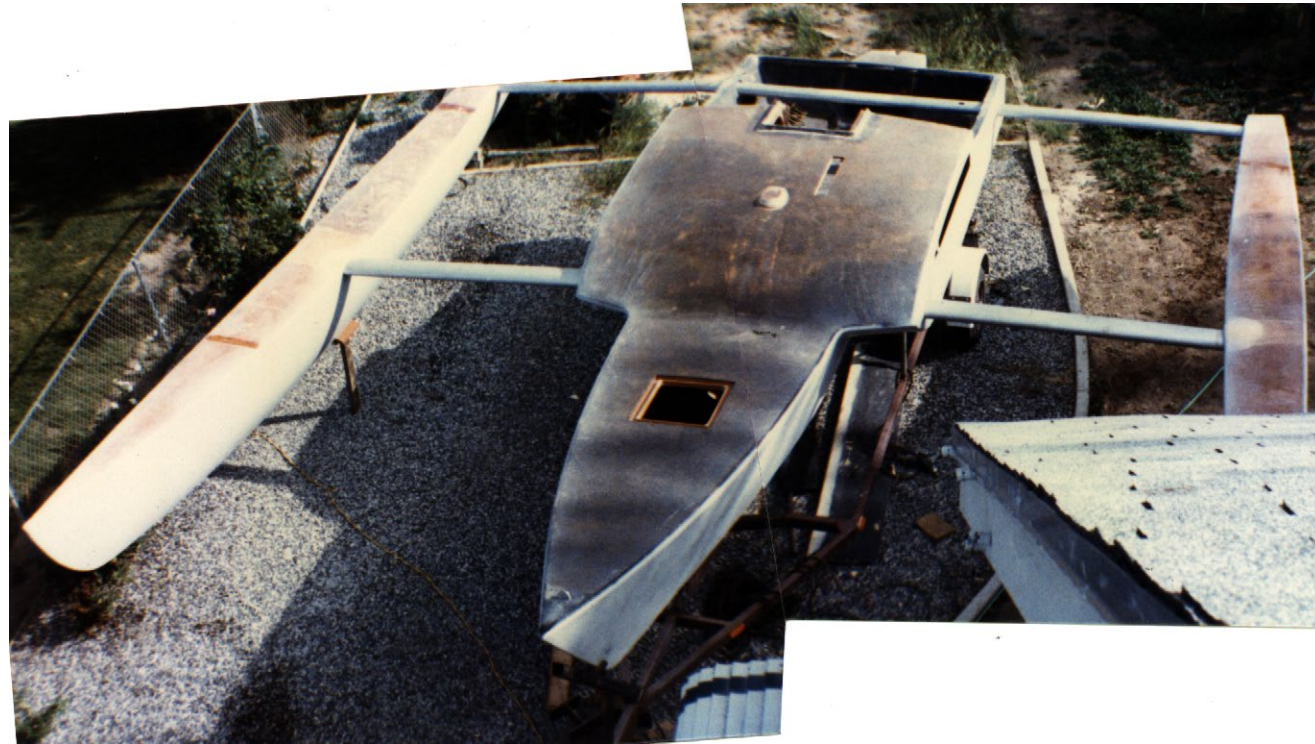
Tomcat 30-



Tomcat 30-



26' Trimaran-1982



26' Trimaran -1982



26' trimaran



26' trimaran



26' trimaran



Chaak- Update of Searunner 40



Chaak



37' trimaran in CM



37' trimaran in CM



Kamanu 36' Daycharter



Kamanu

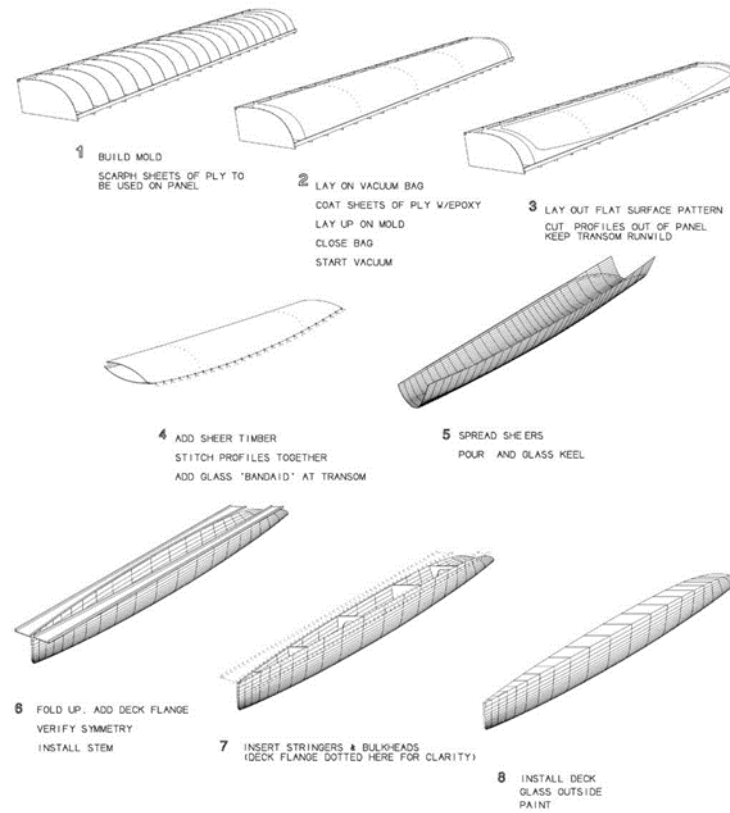


Kamanu



Cylinder Molding Steps

THE MAJOR STEPS IN BUILDING A CYLINDER MOLDED HULL



CM or Cylinder Molding



CM or Cylinder Molding



CM or Cylinder Molding



CM or Cylinder Molding



CM or Cylinder Molding



CM or Cylinder Molding



CM or Cylinder Molding



CM or Cylinder Molding

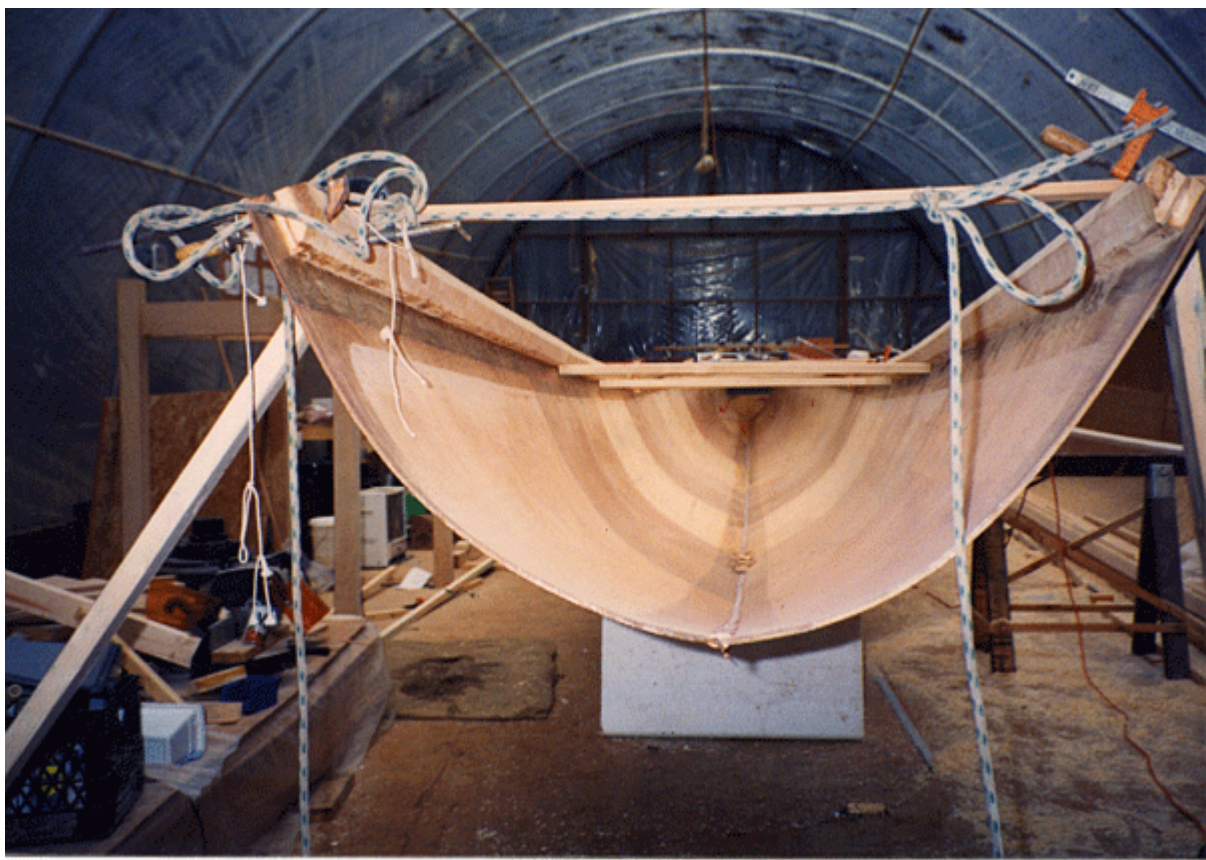


CM or Cylinder Molding



CM or Cylinder Molding





CM or Cylinder Molding



CM or Cylinder Molding



CM or Cylinder Molding



CM or Cylinder Molding



Sierra Cloud 55' Daycharter



Moondance 46' Daycharter



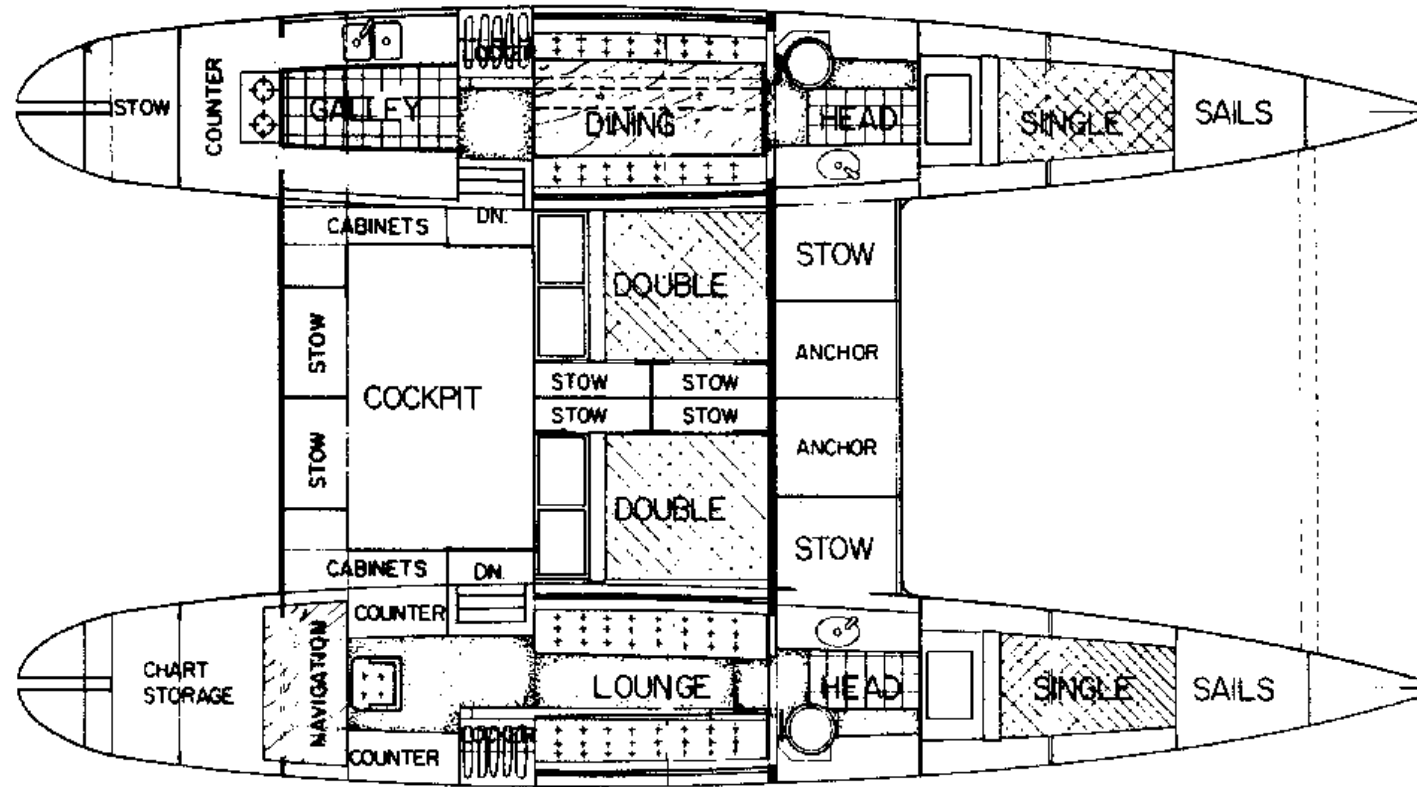
Akialoa 42' Daycharter



Quemarlia 42' Catamaran



Quemarlaia 42' Catamaran



PLAN

Quemarla 42' Catamaran

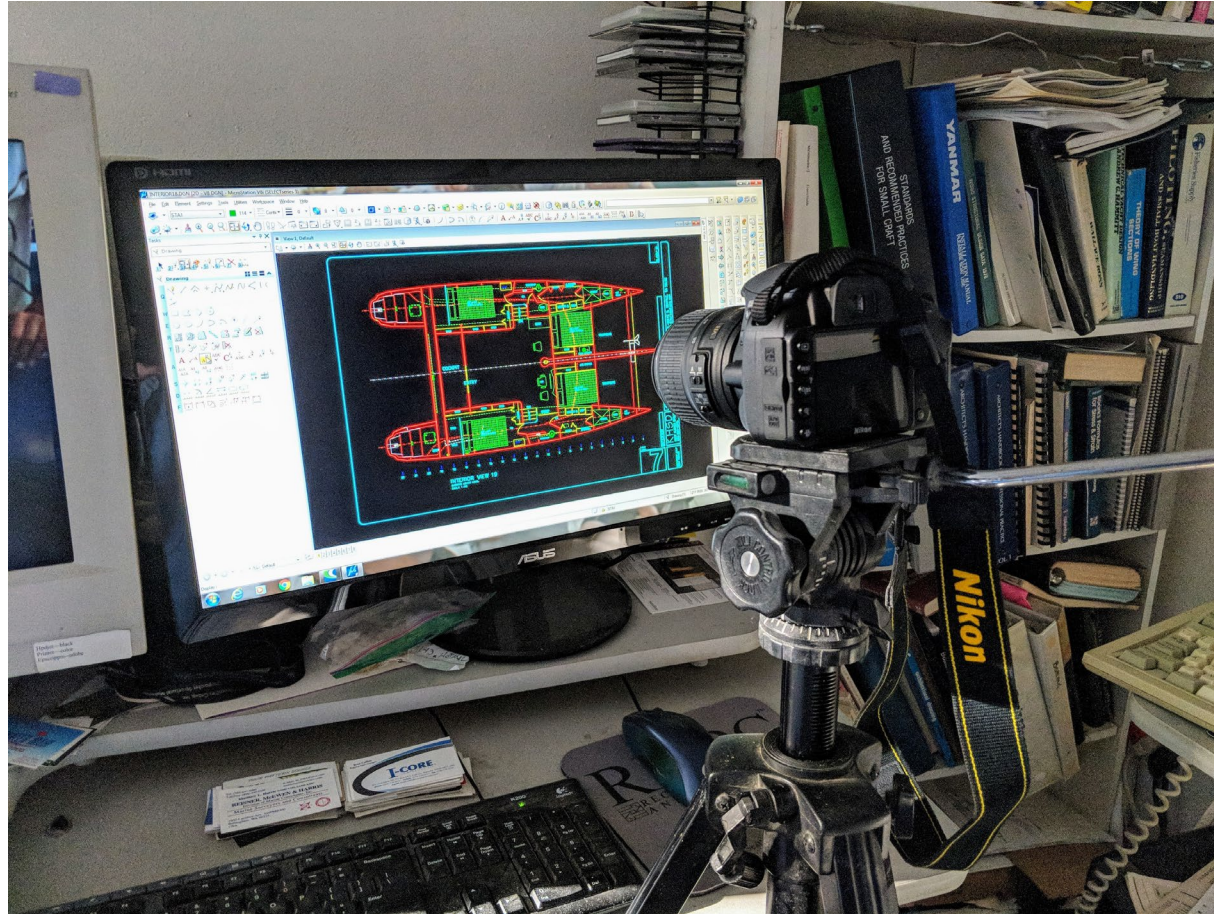


Catamaran USCG Certification

- Congressman John Miller



Preparing Lectures Before PowerPoint



The Convergence

-
- **Microsoft**-DOS lower cost platform for the below
-
- **Prolines**- Hull design and CADD output at a tenth the price of MacSurf for Generic
-
- **Generic Cadd**- Almost Autocad at a tenth the price
-
- **Adobe Pagemaker**-Generic wrote *.eps output for Pagemaker
-
- **Zericon**- Plotters that were designed for Generic output at fraction of the price of HP
-
- **Plotter Commander**-Pen plotter enhancement written for Generic

EPS Output Into Pagemaker from Generic



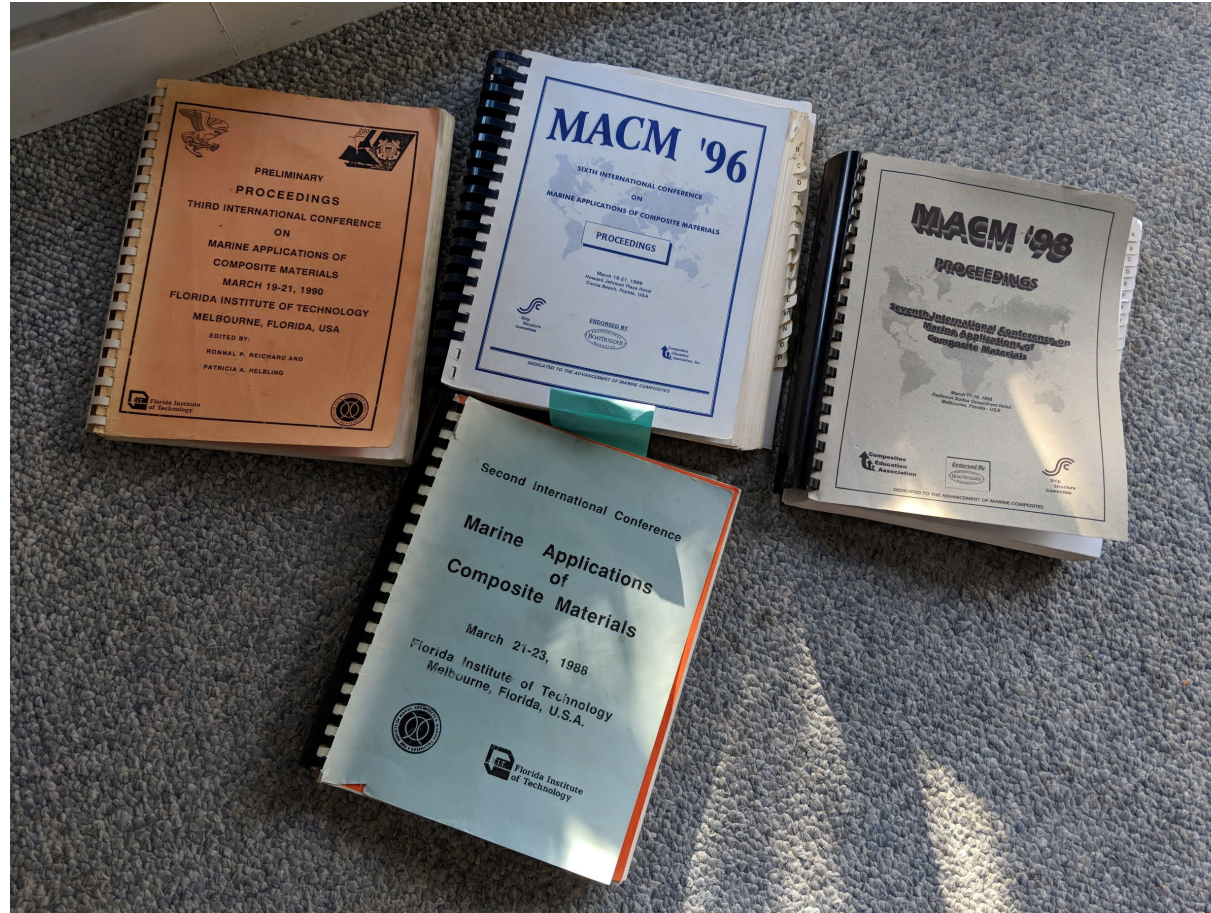
Early Composite Catamarans



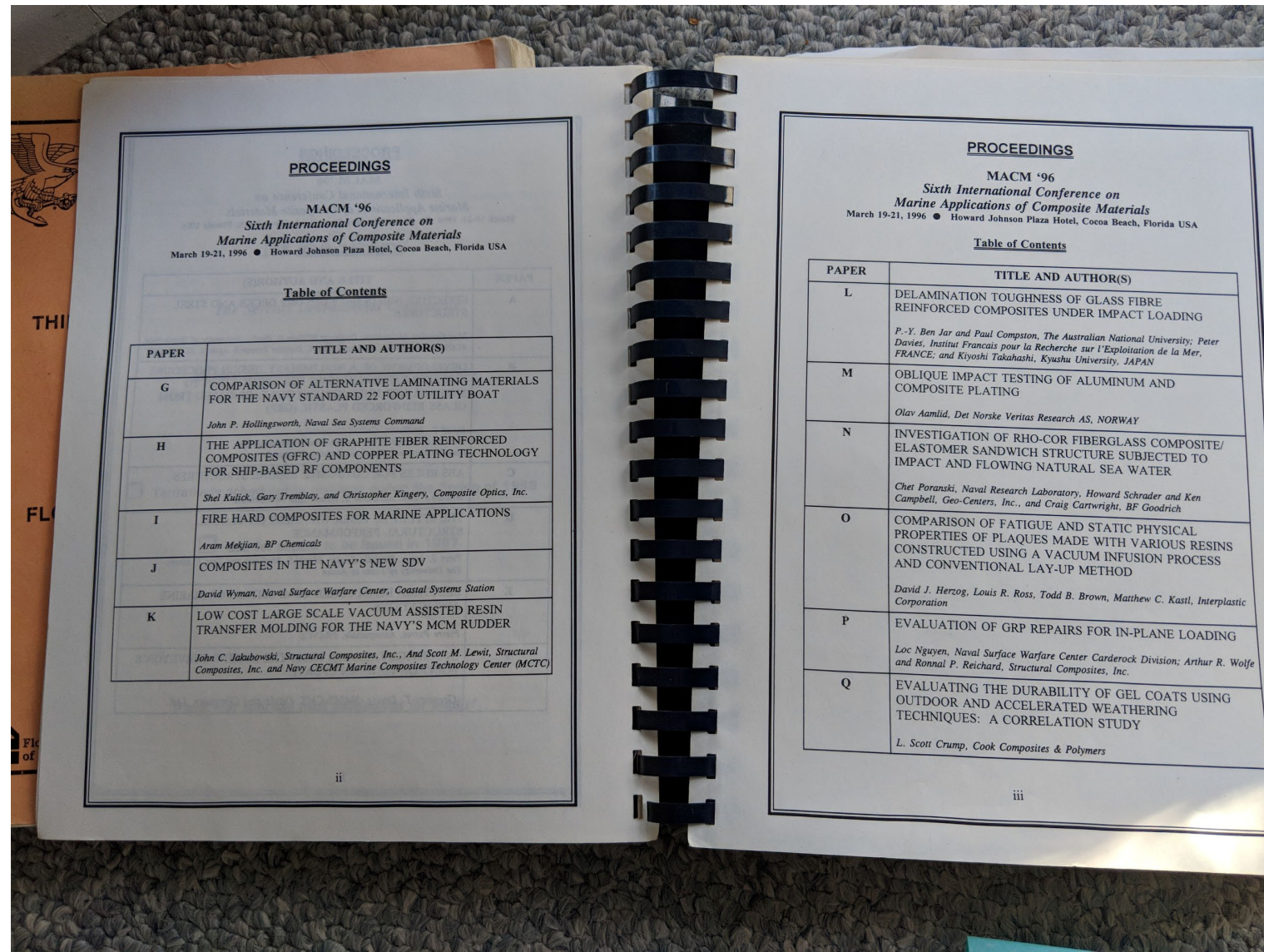
Early Composite Catamarans



Composites- MACM



Composites -MACM



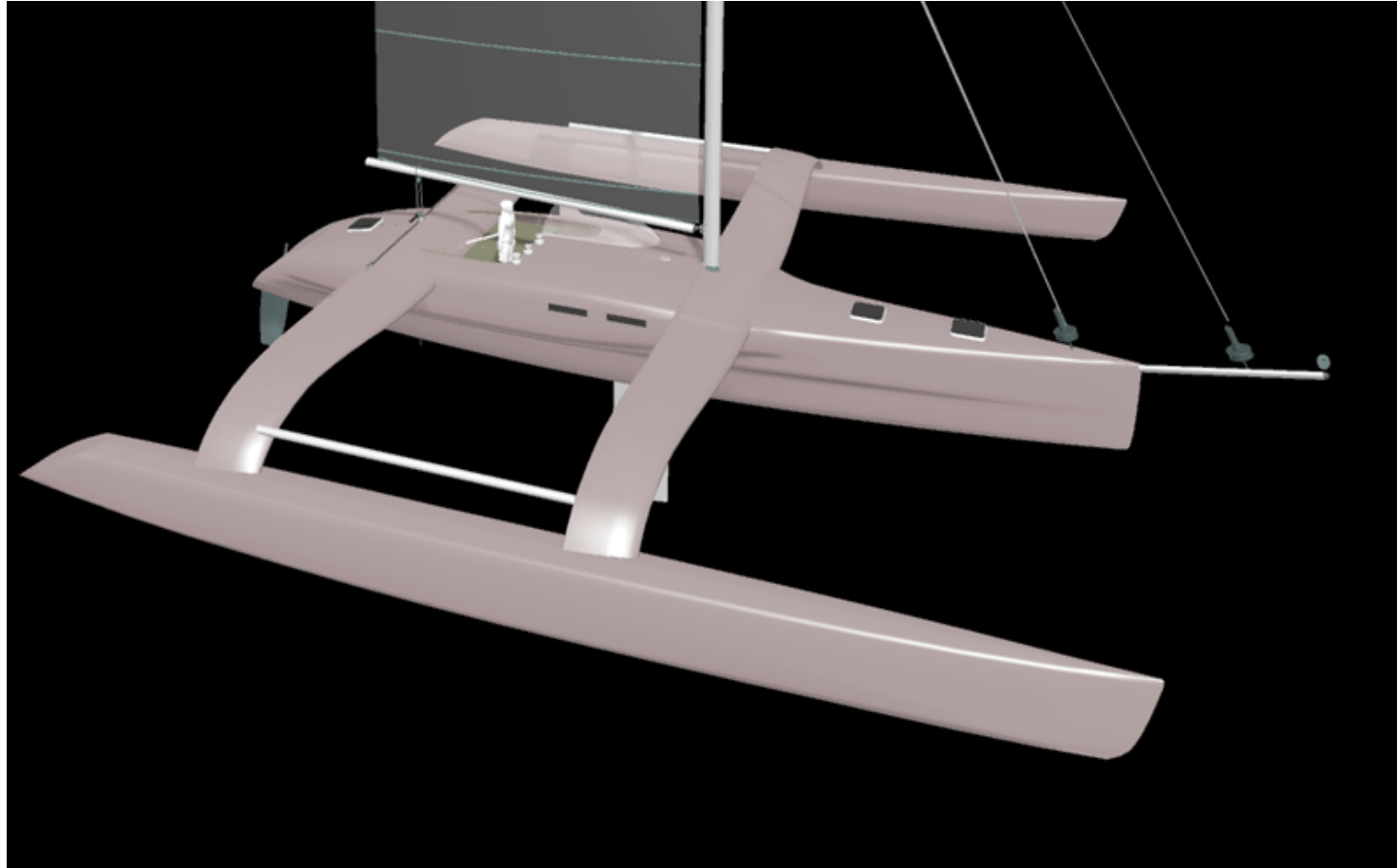
Composites -MACM

- <file:///D:/sender/TENSILE2.PDF>



TENSILE2.PDF

61' Composite Trimaran

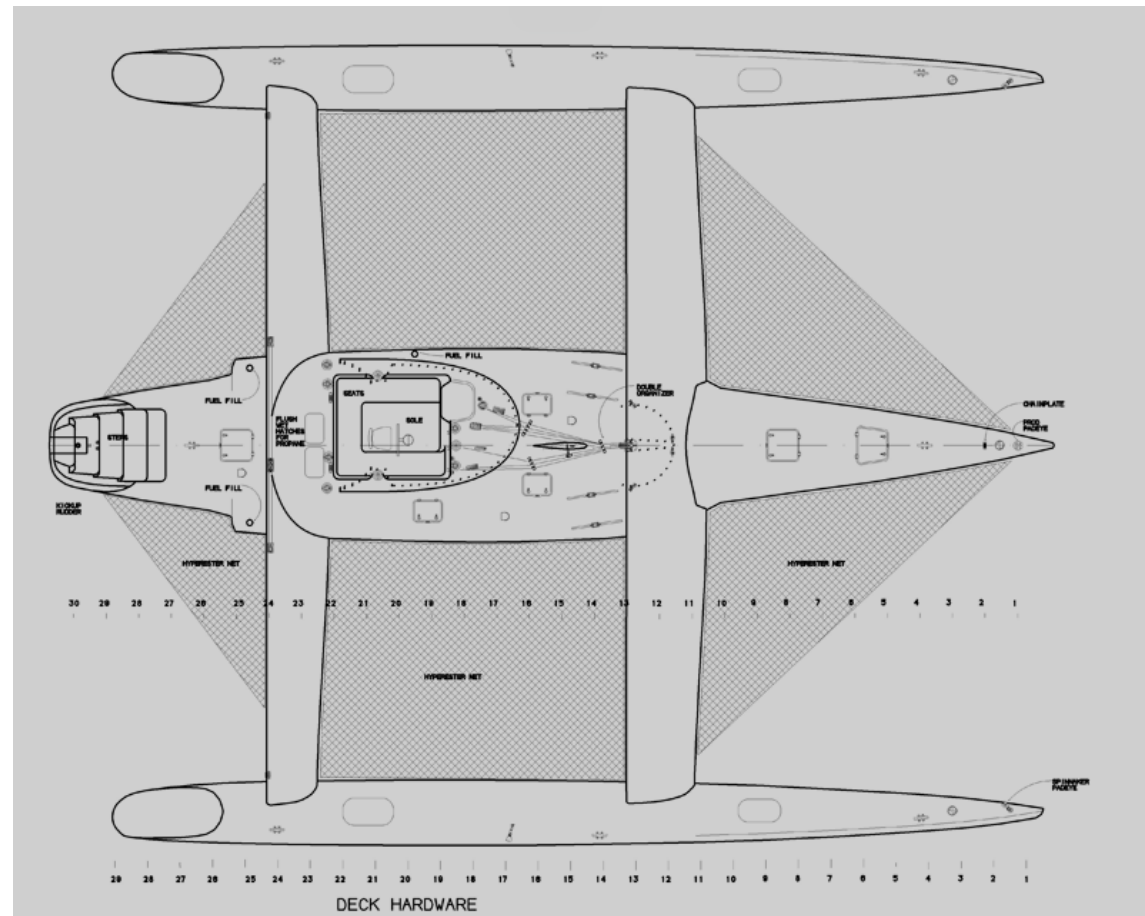


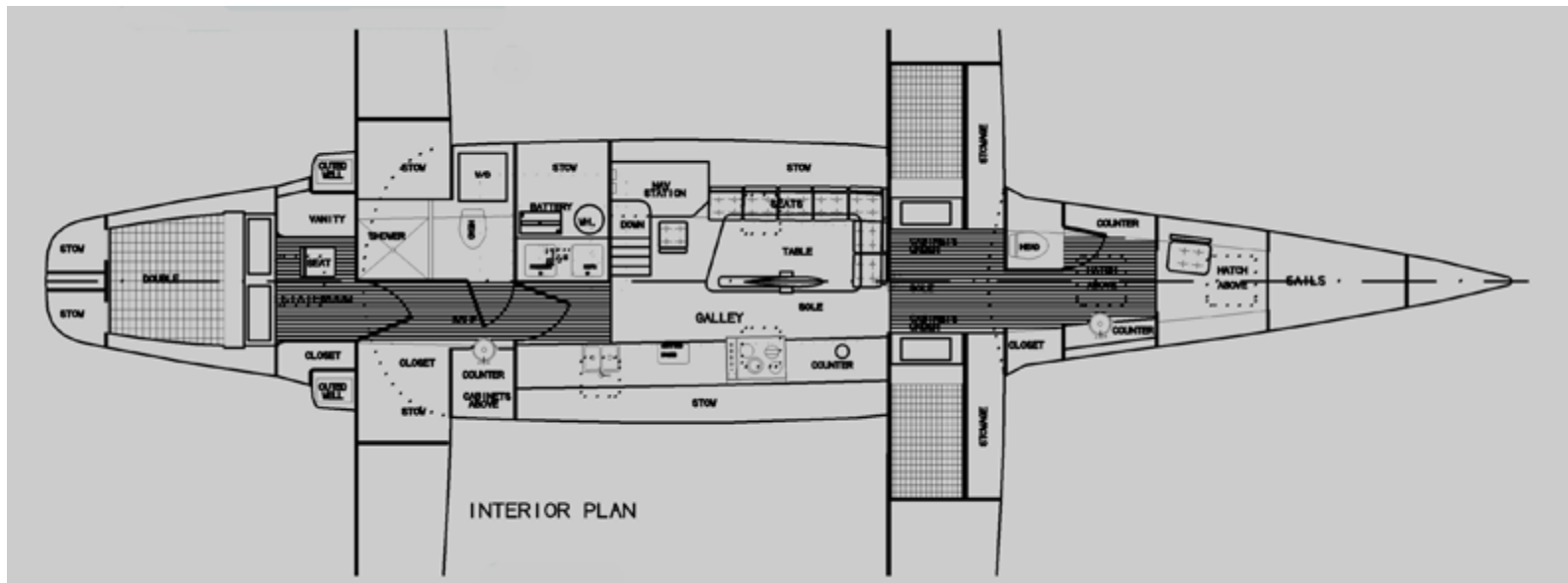


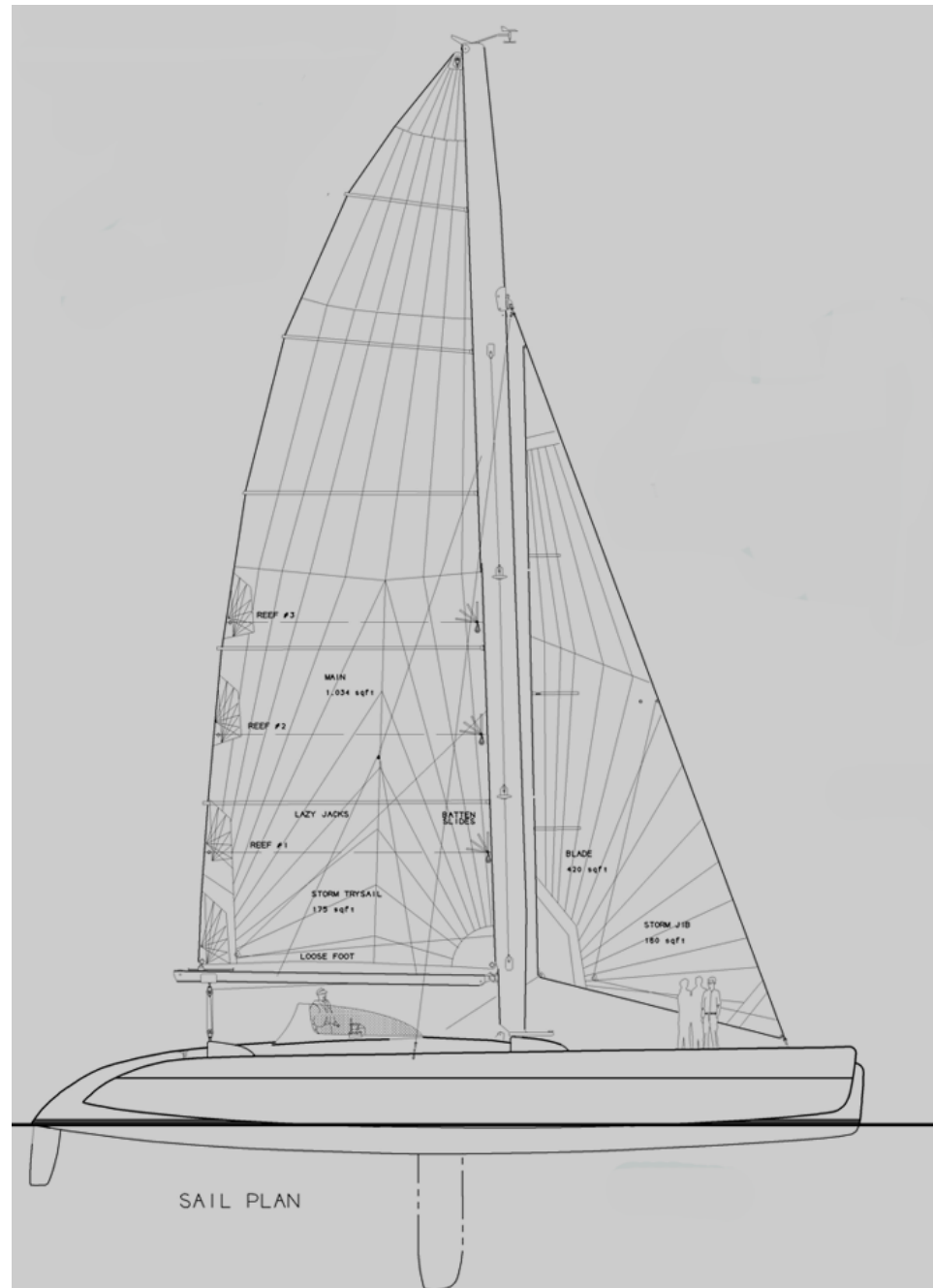
61' Composite Trimaran











24' Trimaran



24' Trimaran



24' Trimaran



38' Pod Cat



38' Pod Cat



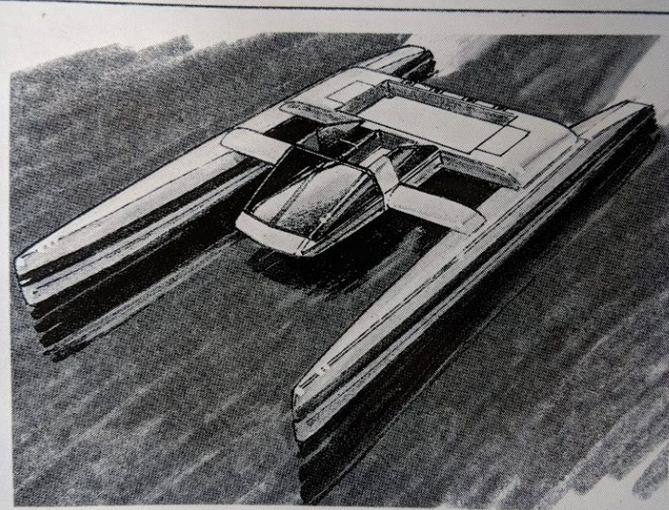
28' Power Catamaran

San Diego, California's ninth annual sport-fishing extravaganza, the festive Day at the Docks, you didn't.

The San Diego Sportfishing Council rescheduled the weekend of free boat rides, tackle exhibits, historical and

of ocean game fish, for May 6-7 at the sportfishing landings Shelter Island.

Contact the San Diego Sportfishing Council at (619)285-1301 for additional information.



Motorized Multihull—Though Kurt Hughes usually designs sailing multihulls, he has conceived this futuristic-looking 28-foot power catamaran for short, fast offshore passages with room for up to four adults. To keep weight down, either Divinycell foam core or wood/epoxy construction are recommended. Using Ted Brewer's velocity prediction program, Hughes calculates that twin 50-hp outboards, mounted in nacelles inboard of the hulls, will push the cat to 35 knots at full load. For shoal water areas, jet-drive outboards could also be used on the nine-inch draft hulls. For plans, contact Kurt Hughes Sailing Designs, Dept. TWB, 612½ West McGraw, Seattle, Washington 98119; (206)284-6346.

28' Power Catamaran



Magic Hempel Repair (Dragonfly 25)









Magic Hempel



Magic Hemple



26' Proa



AeroRigs on KHSD Cats

- 30' in Kauai



Sarabi 56' Cruising Cat w/ AeroRig





45' Catamaran w/AeroRig









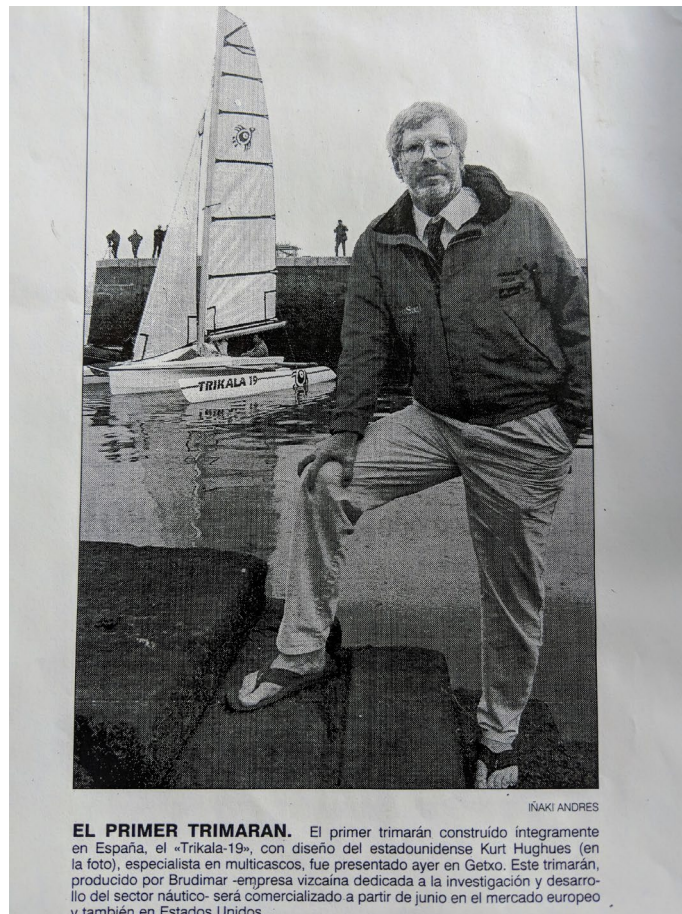
Trikala 19 Trimaran



Trikala 19 Trimaran



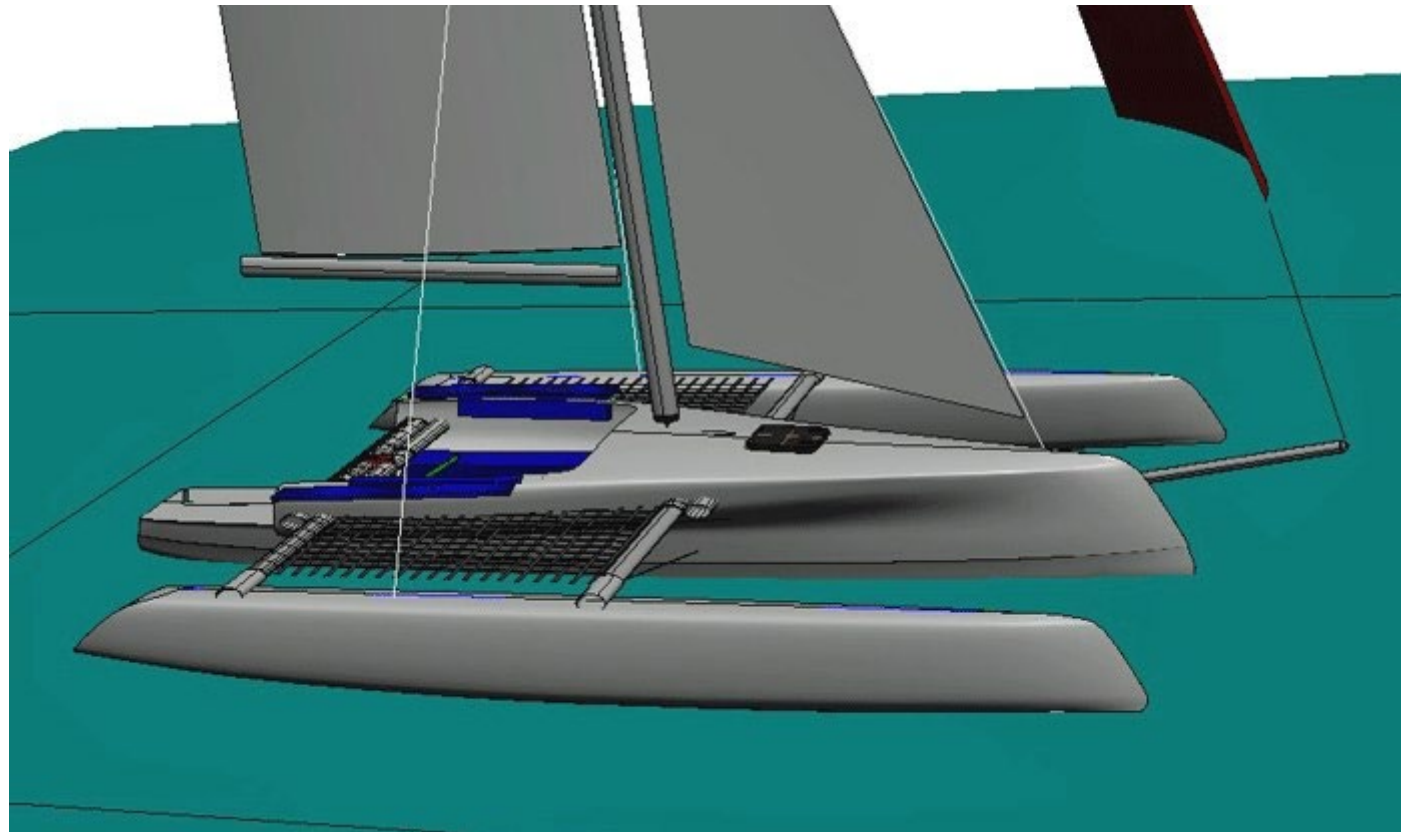
Trikala 19 Trimaran



Trikala 19 Trimaran



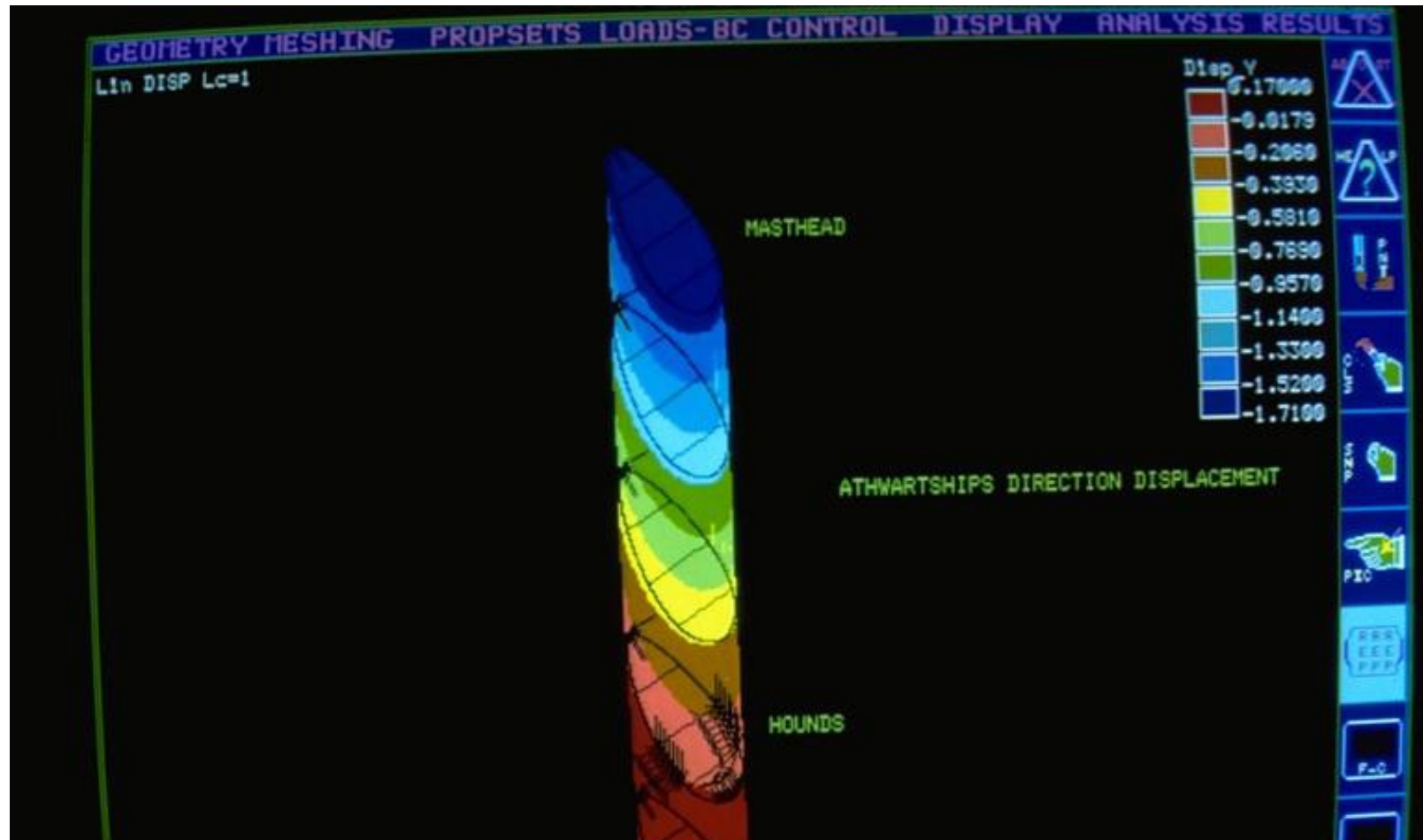
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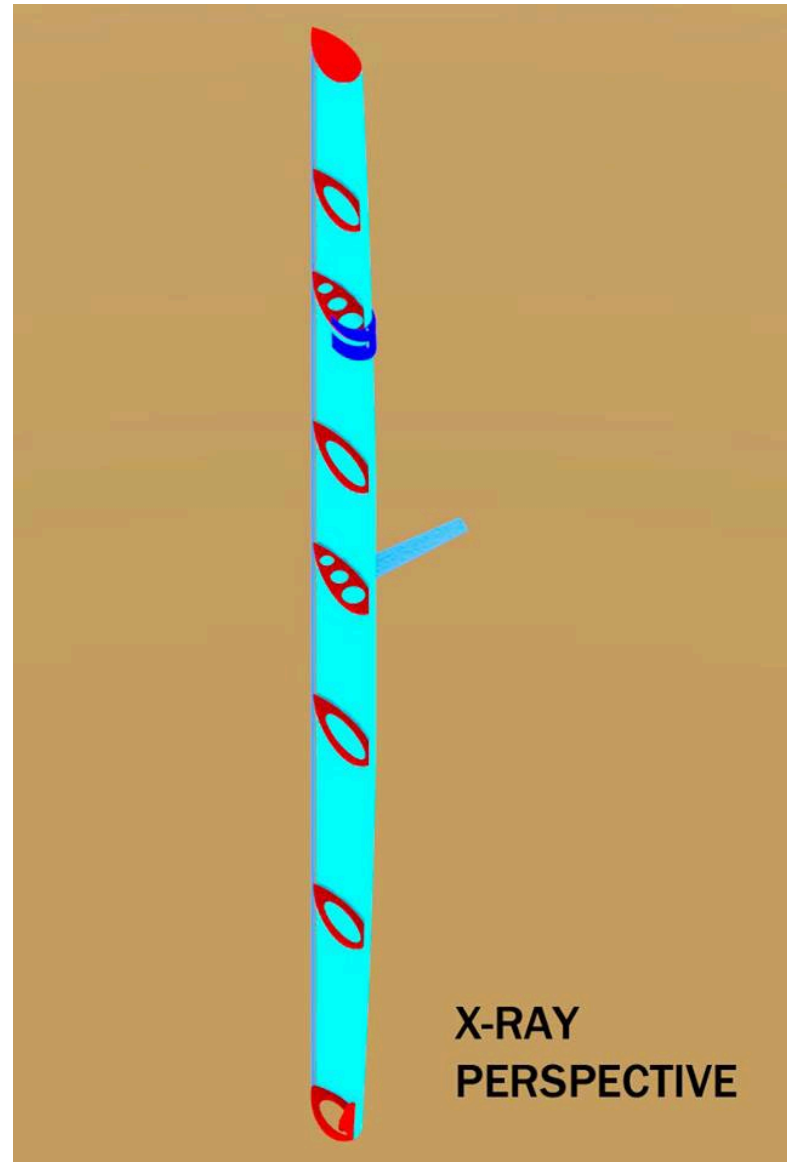
Trikala 19 Trimaran



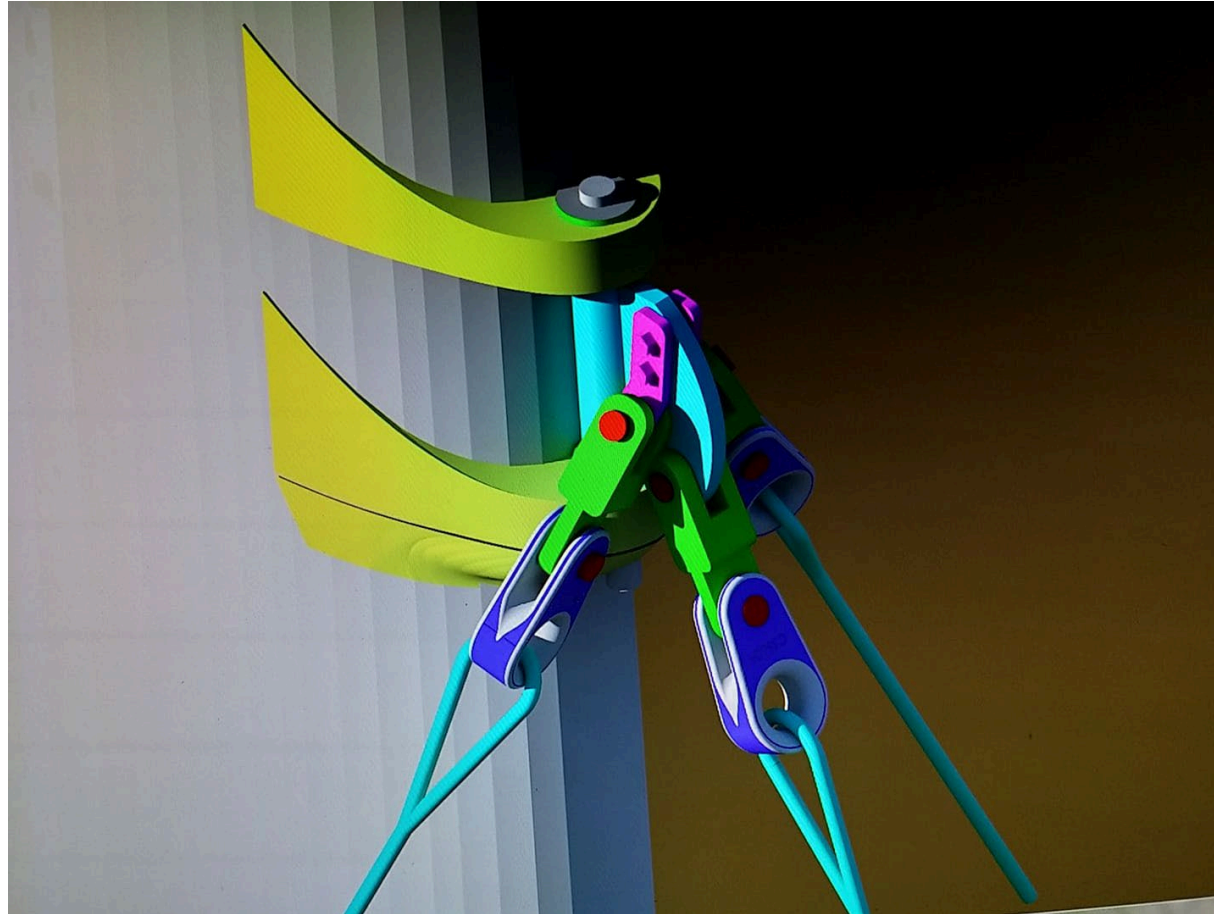
Wing Masts



Wing Masts



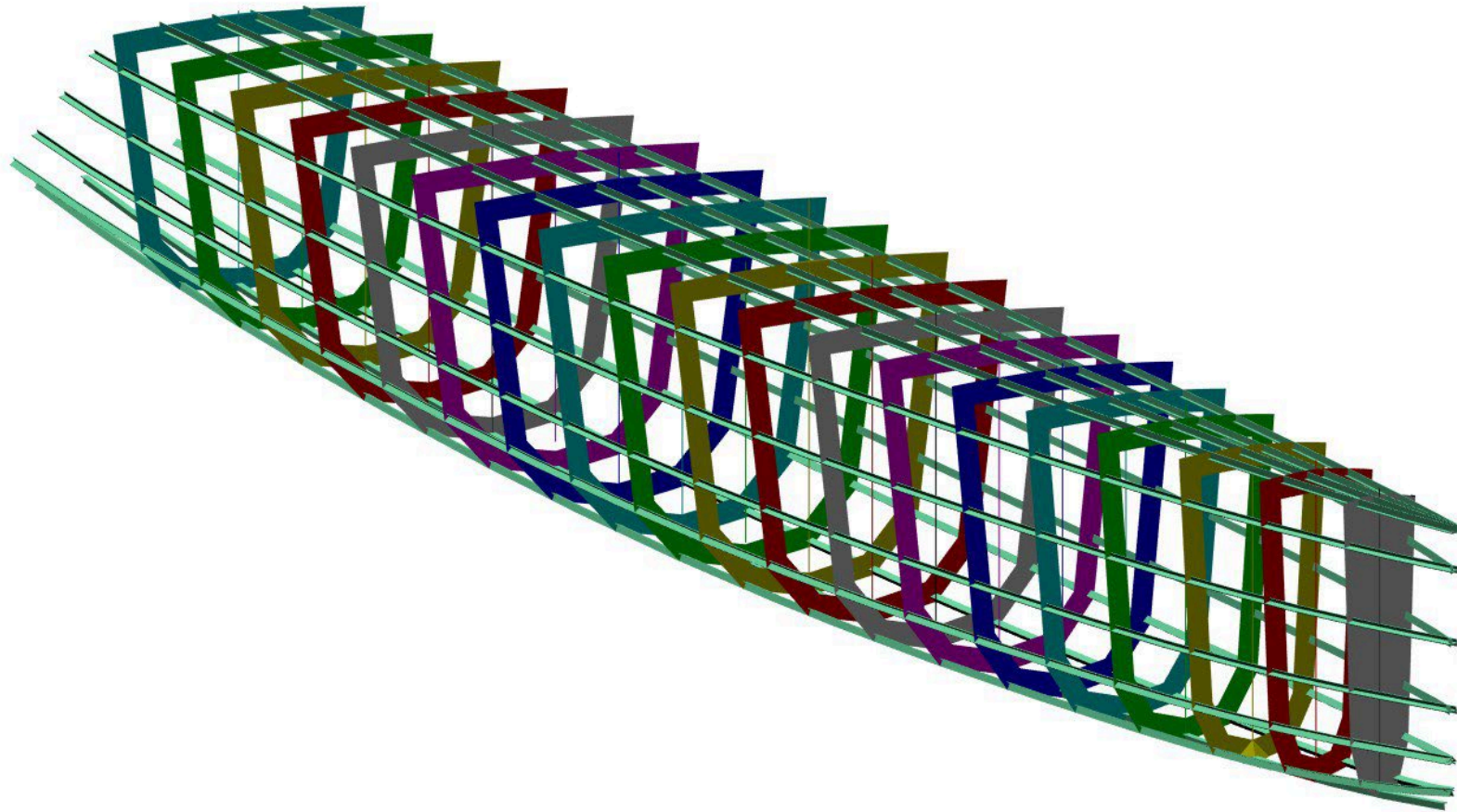
Wing Masts



Aluminum Cats



Aluminum Cats



Aluminum Cats



Aluminum Cats



Charter Cats



Charter Cats



Charter Cats



Charter Cats

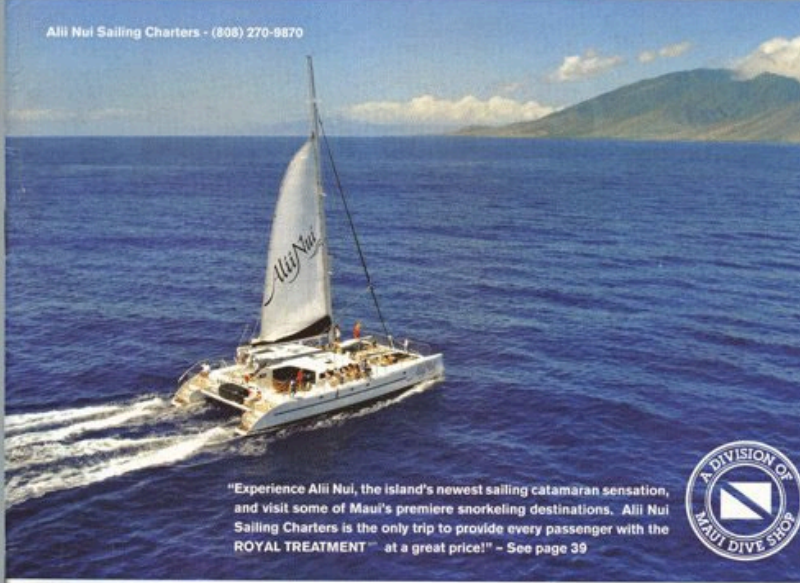


Charter Cats

OCTOBER 2011 - JANUARY 2012

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A DIVISION OF
MAUI DIVE SHOP

MAUI DRIVE GUIDE

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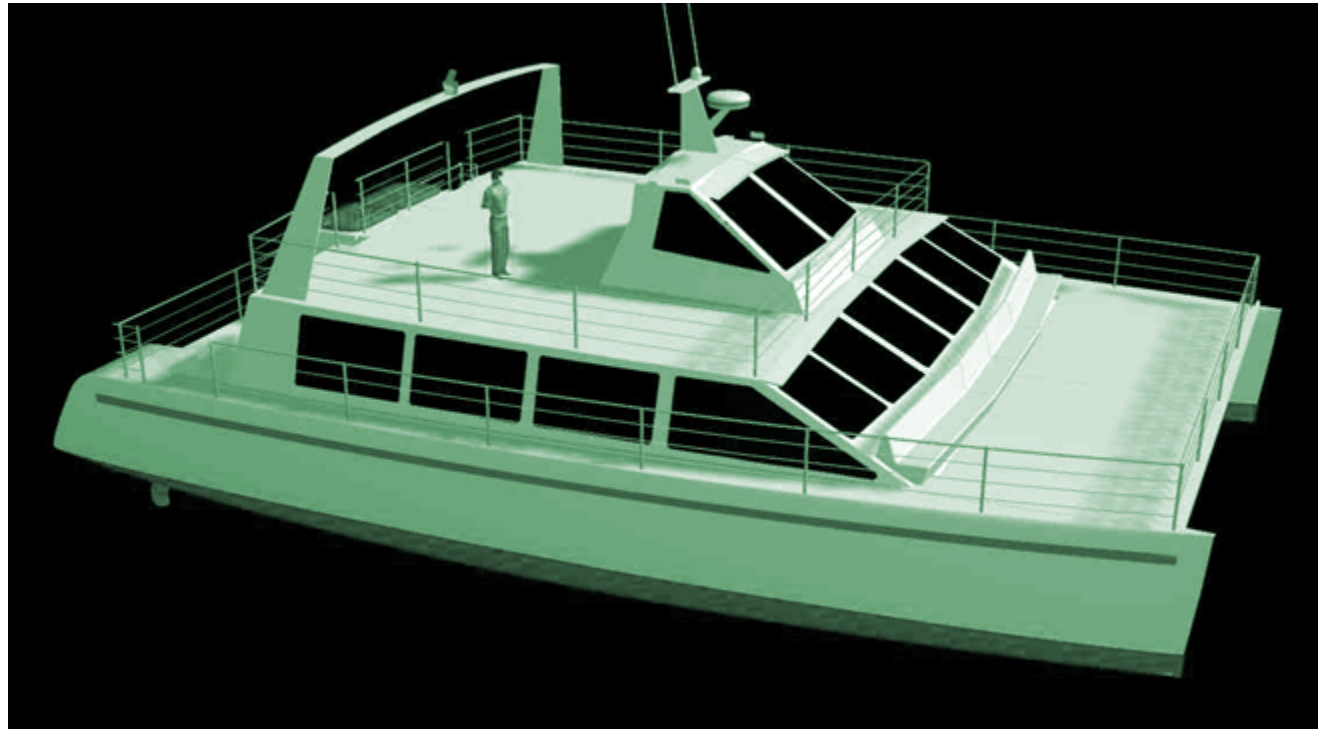
Charter Cats



Charter Cats



Passenger Ferries



Passenger Ferries



Passenger Ferries



Passenger Ferries



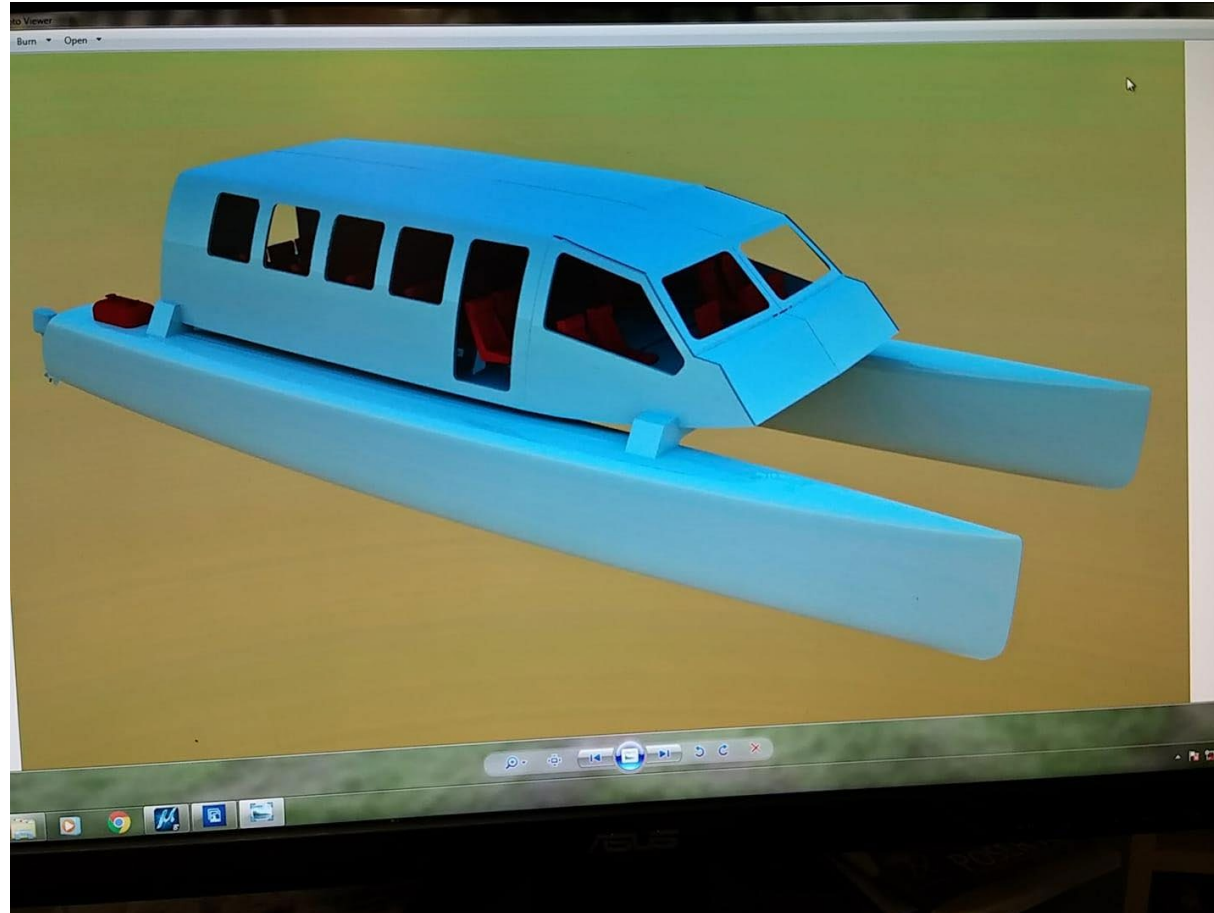
Passenger Ferries



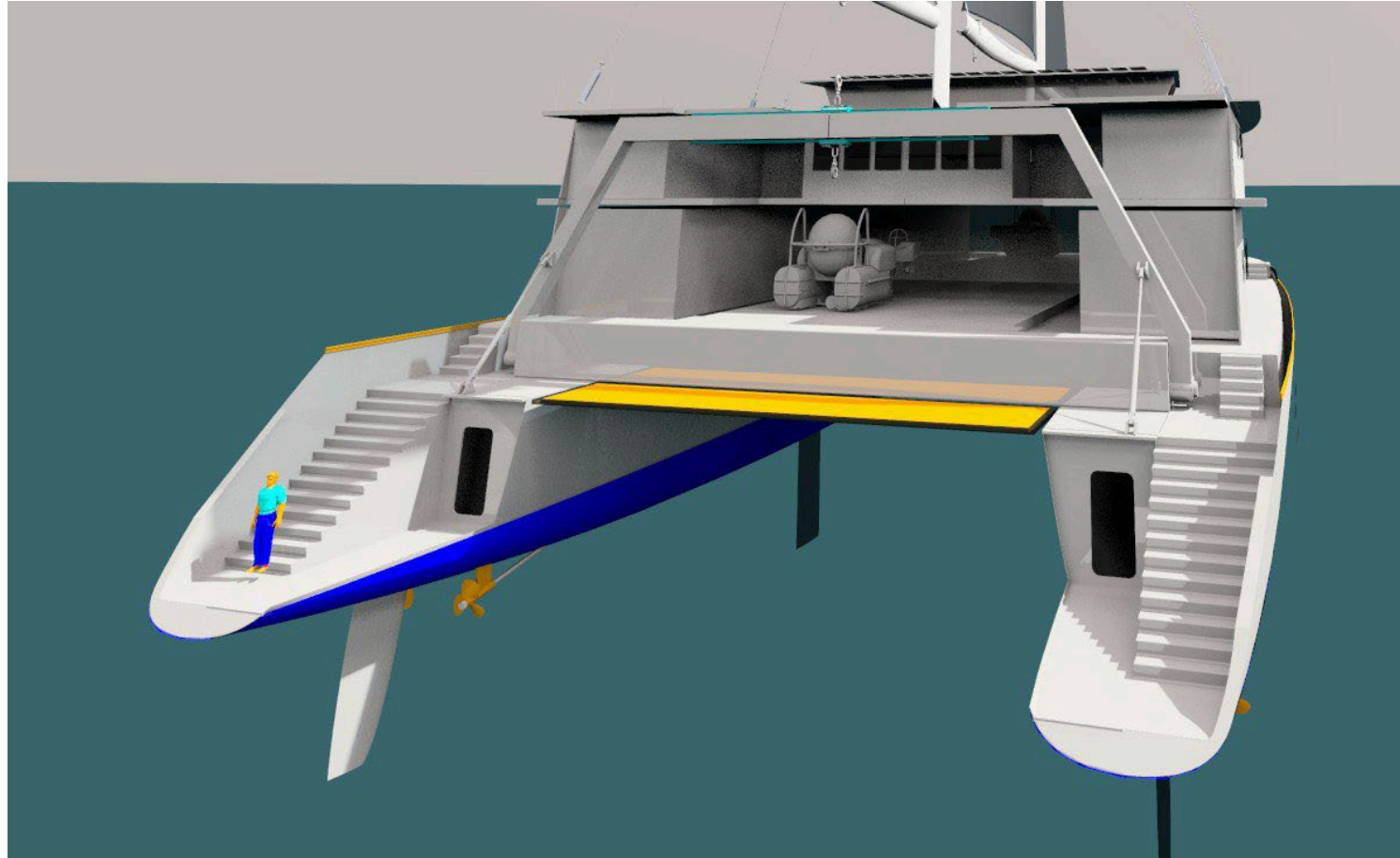
Passenger Ferries



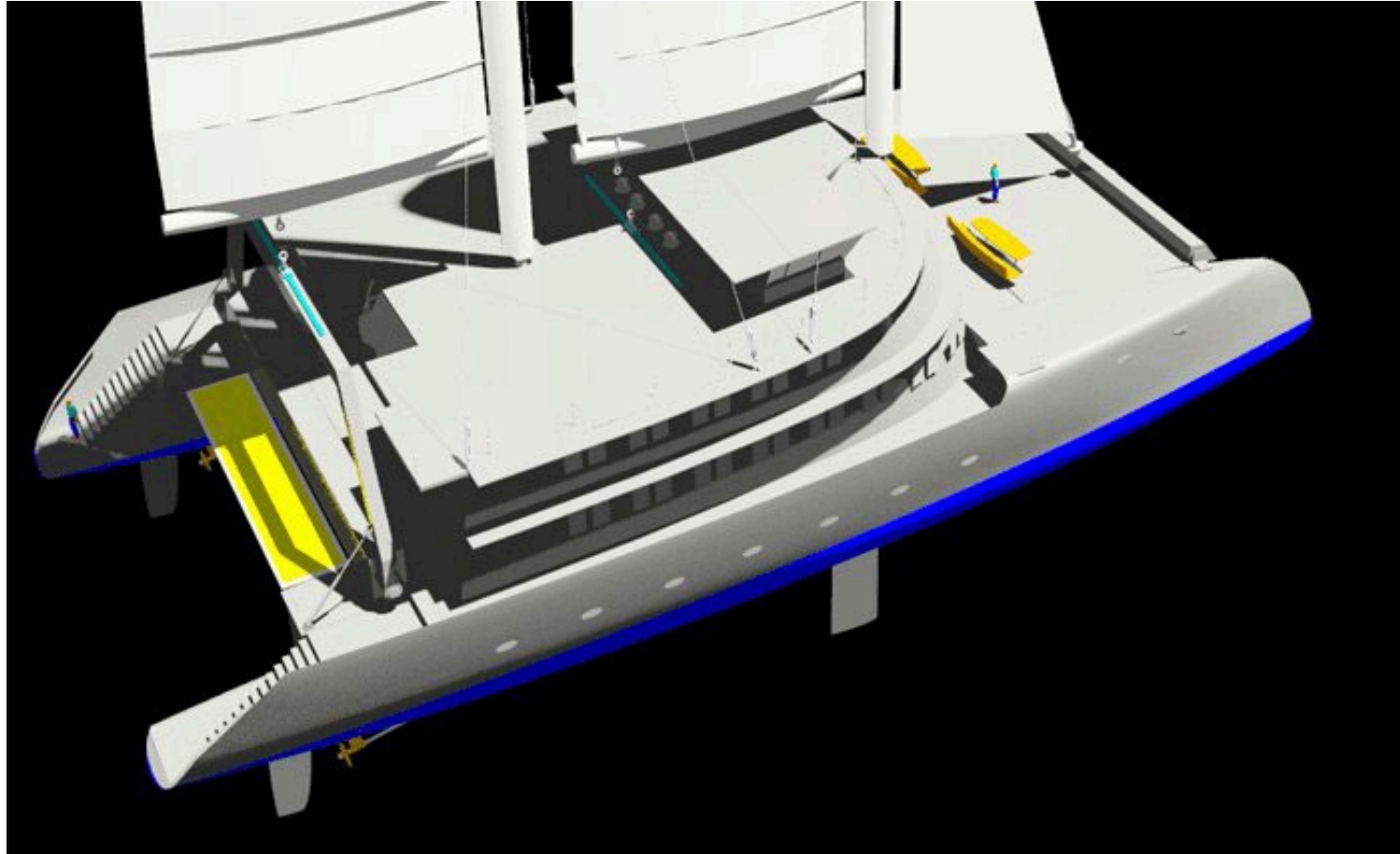
Passenger Ferries



Oceanography Catamaran



Oceanography



Power Trimarans



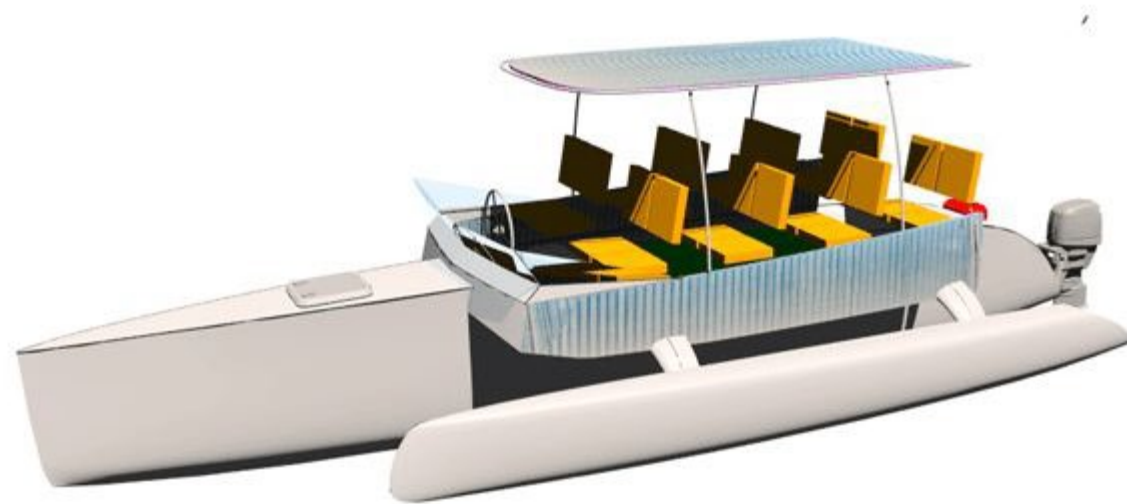
Power Trimarans



Power Trimarans



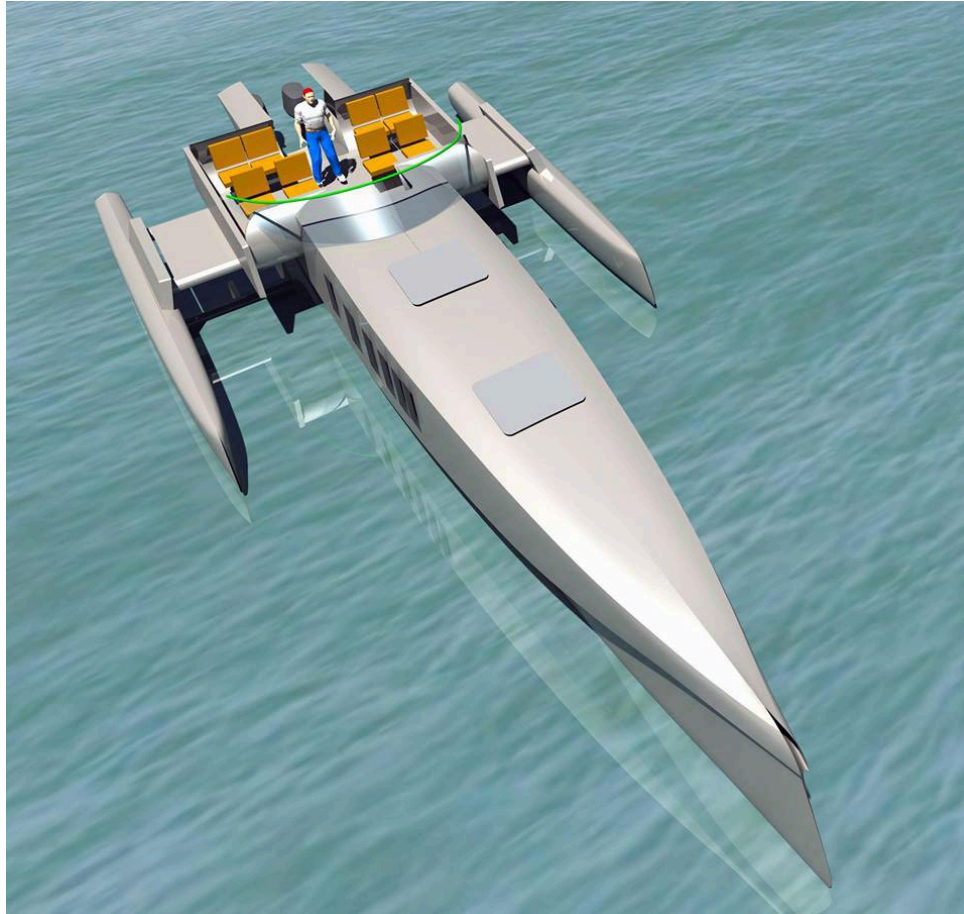
Power Trimarans



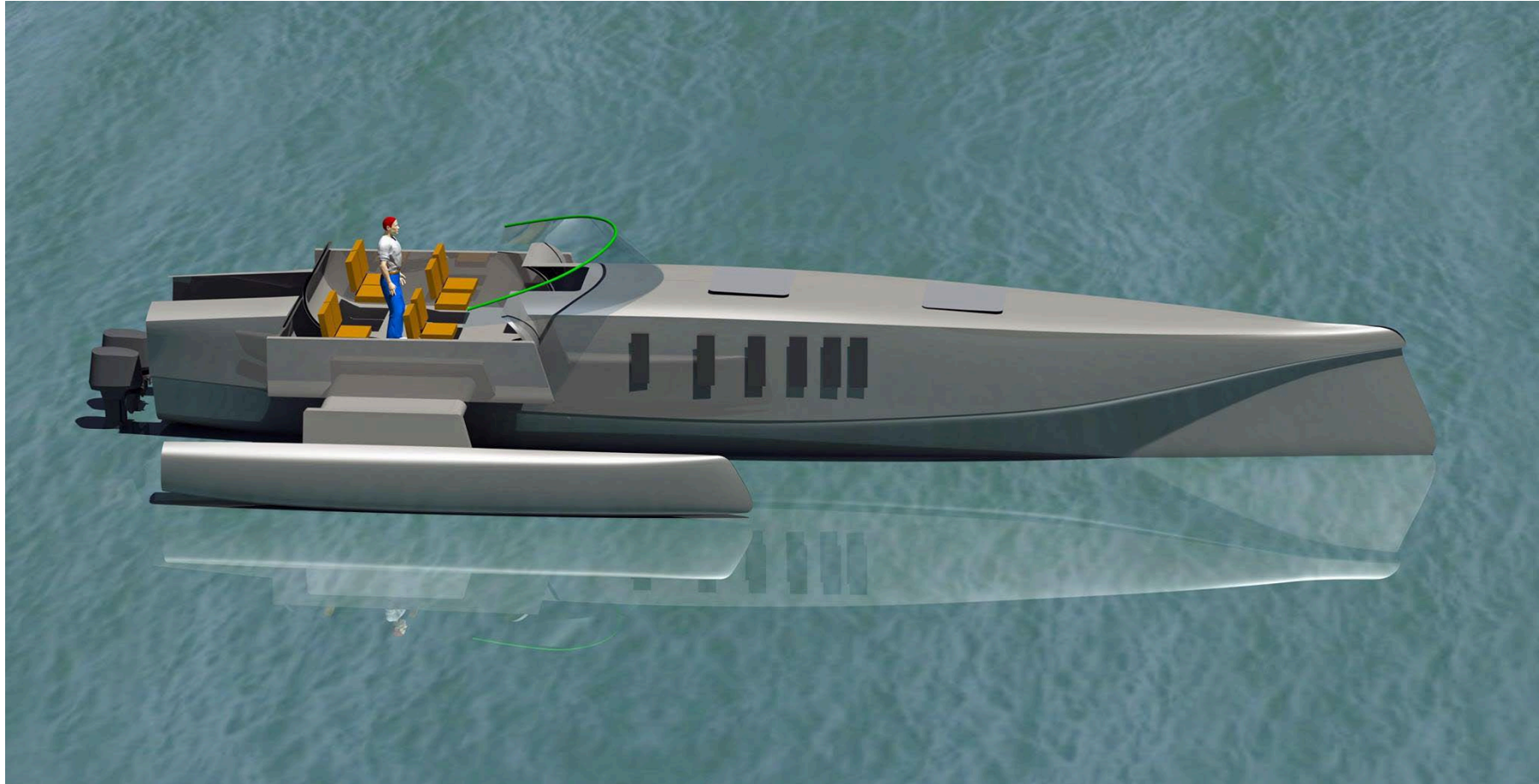
Power Trimarans



Power Trimarans



Power Trimarans



Faamu Sami



Faamu Sami



Faamu Sami



Faamu Sami



Faamu Sami



Power Cats



Power Cats



Power Cats



Power Cats

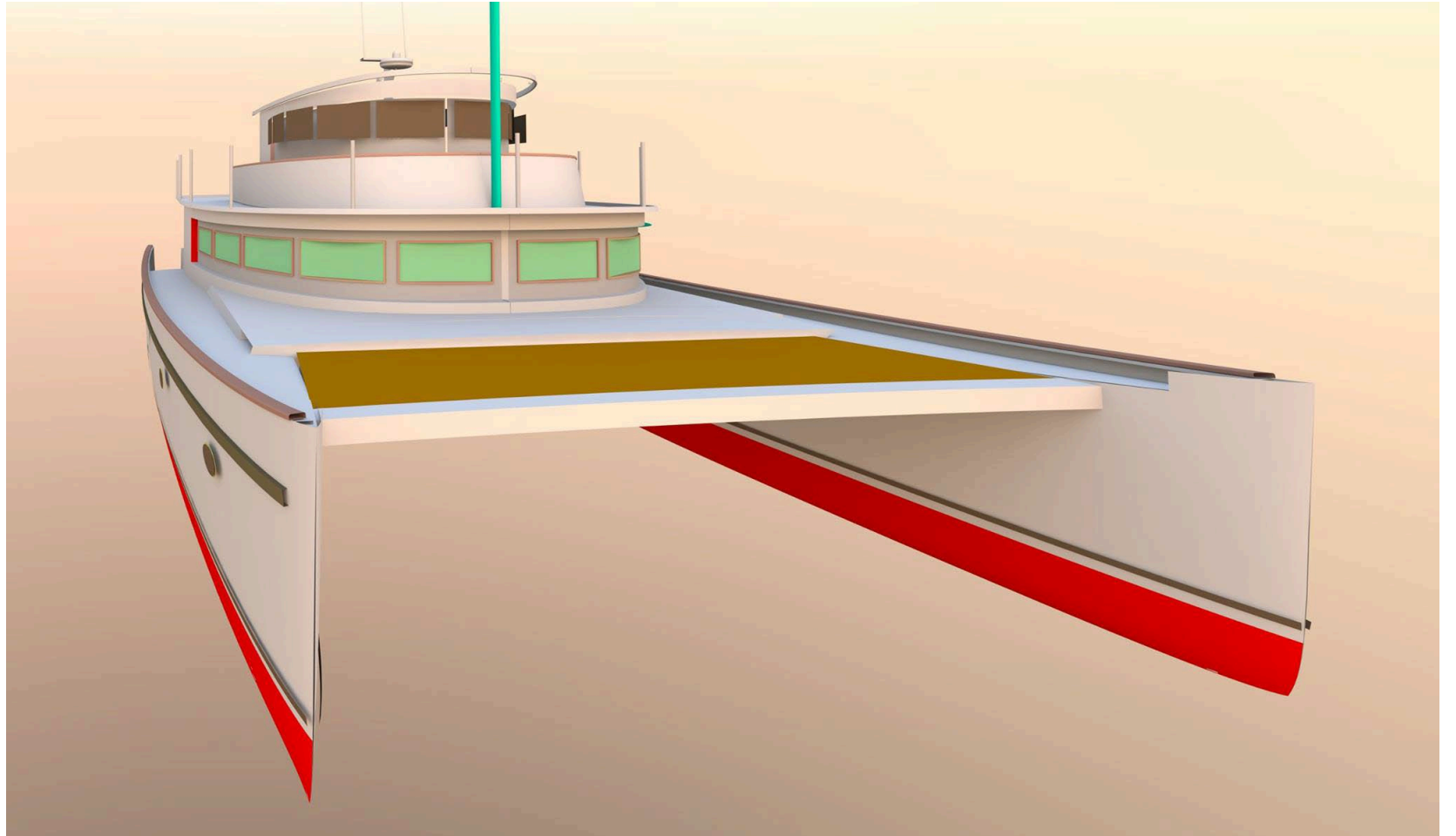
- 46' powercat



Power Cats



- 65' composite cat



Power Cats



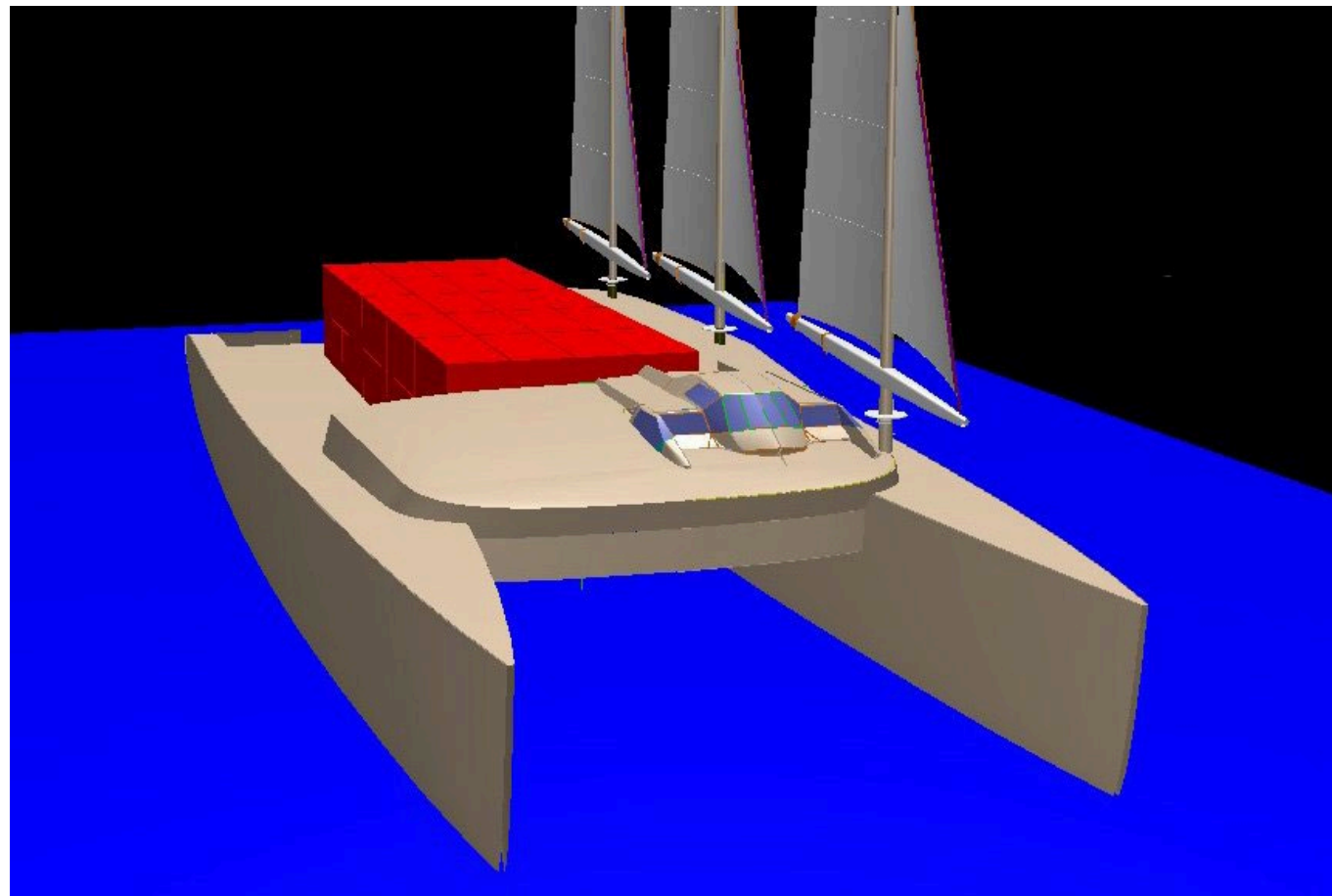
Odd Projects



Odd Projects



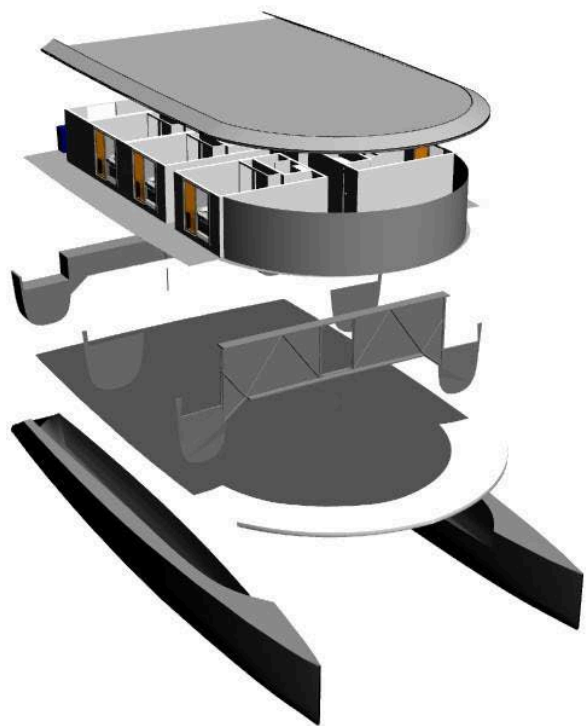
Odd Projects



Odd Projects



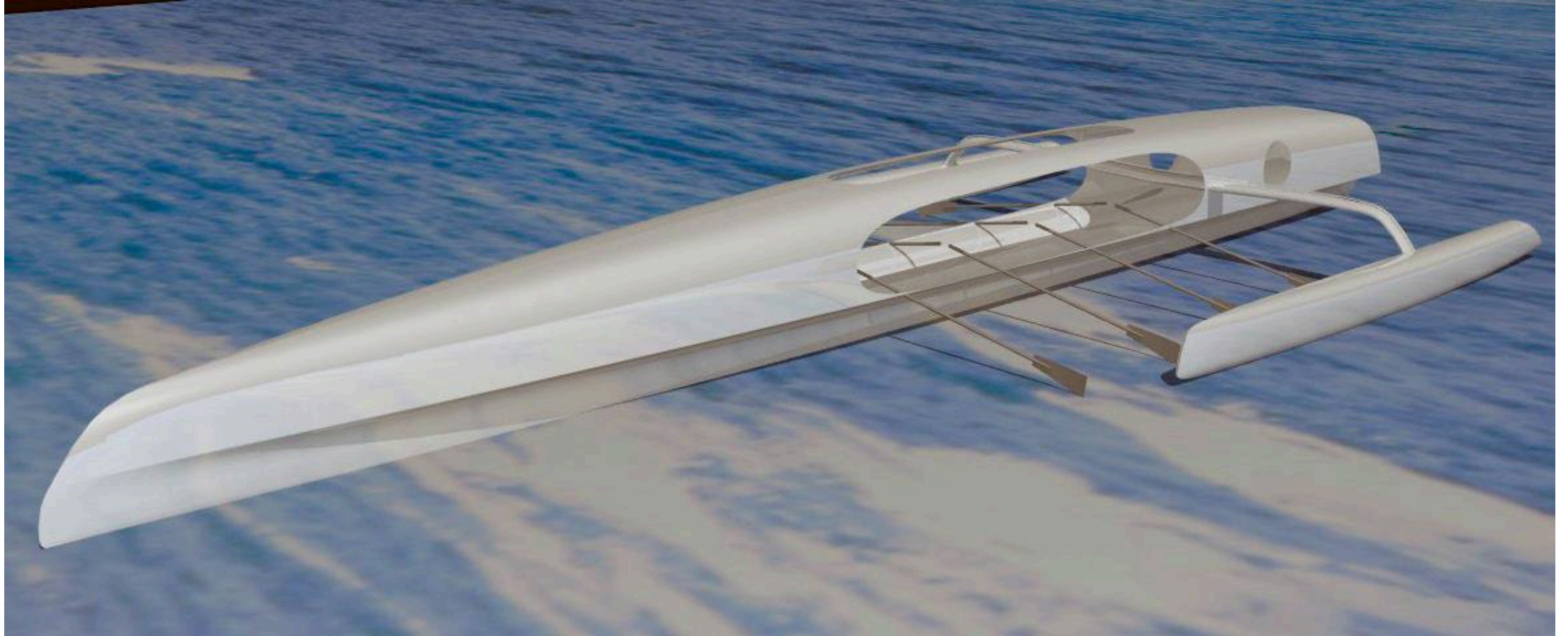
Odd Projects



Odd Projects



Odd Projects

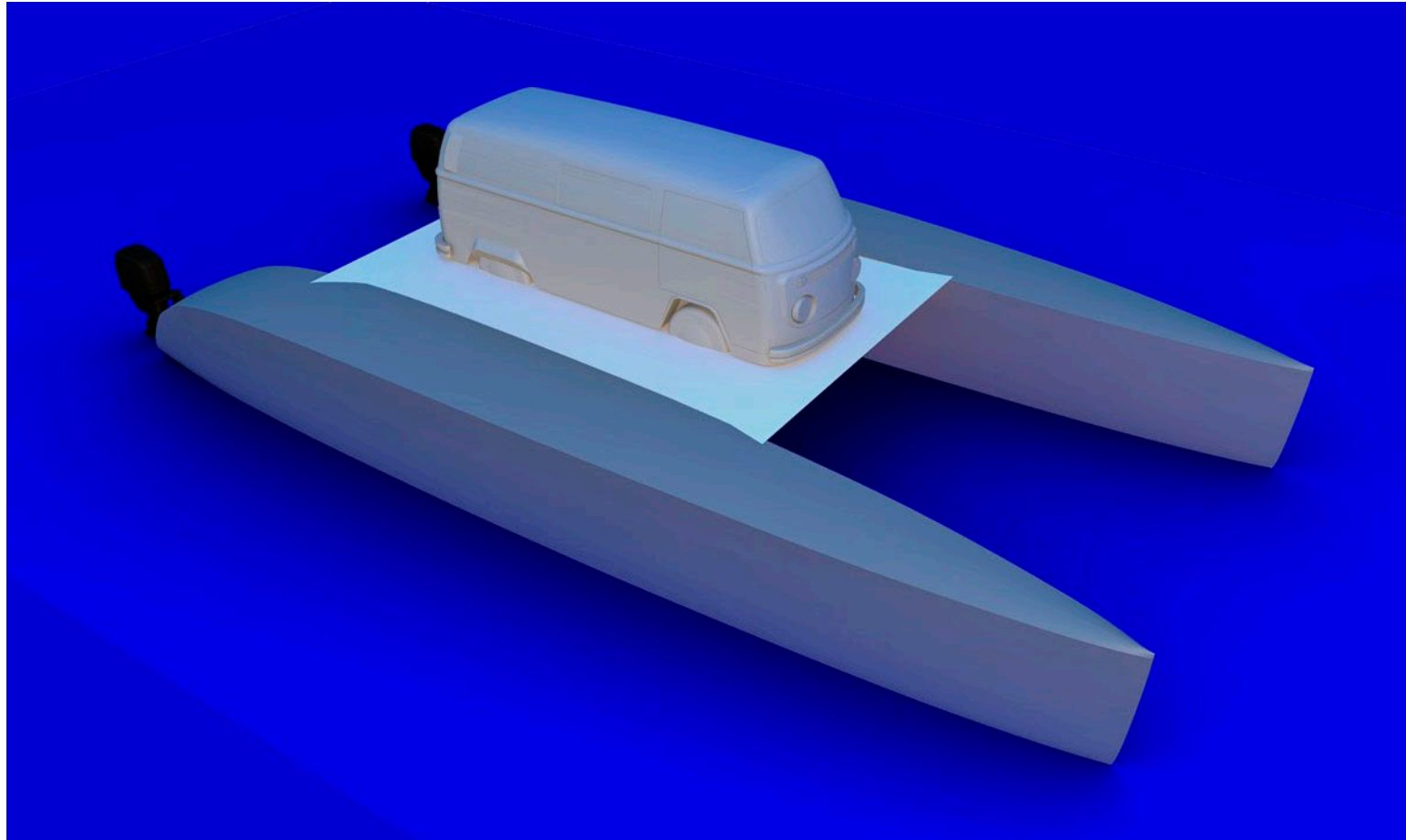


Odd Projects



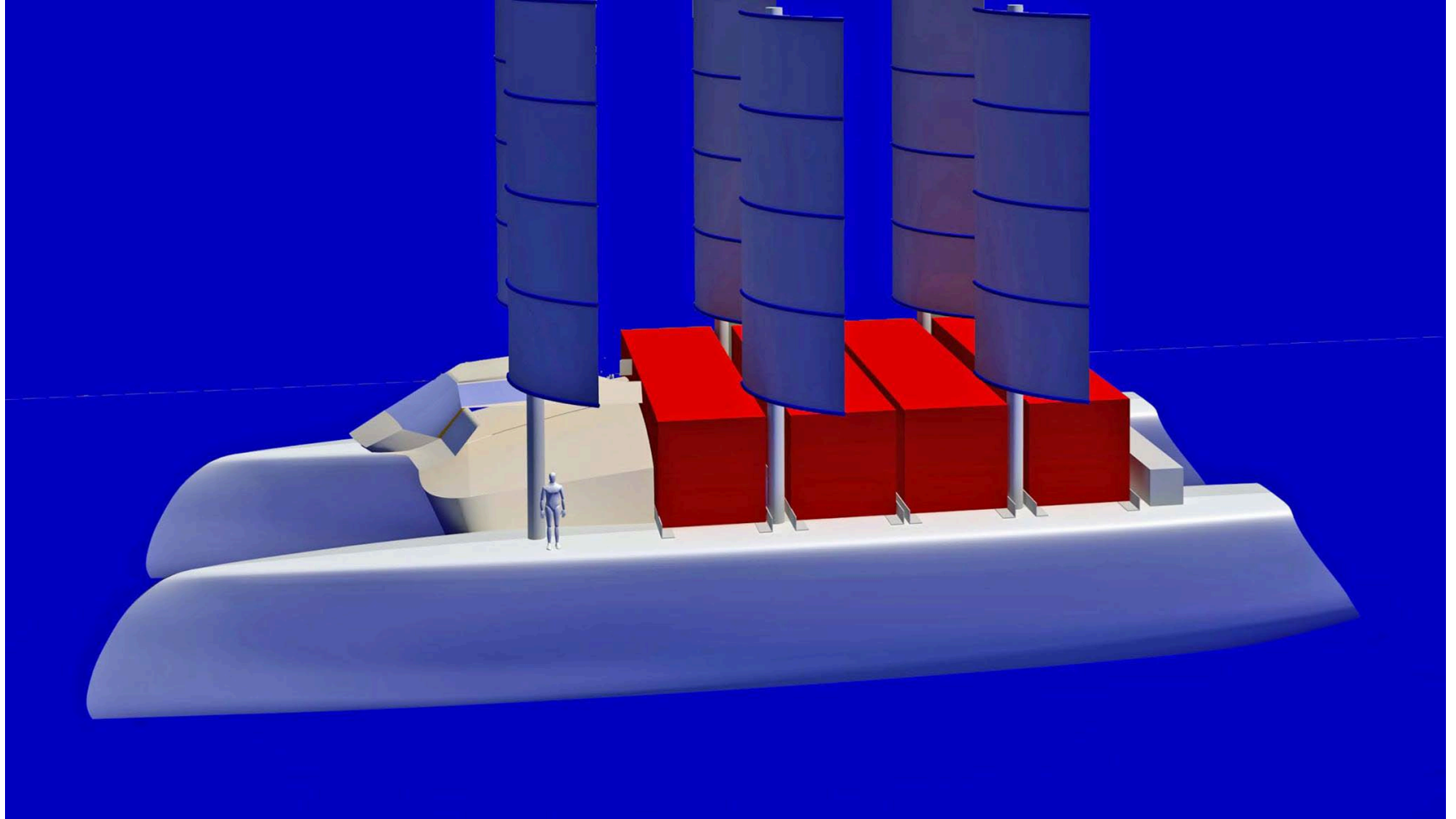
Odd Projects

- A microbus on 36' hulls



Odd Projects

- 85' Cargo Cat



A Few Fun Cruisers



A Few Fun Cruisers



A Few Fun Cruisers



A Few Fun Cruisers



A Few Fun Cruisers



A Few Fun Cruisers



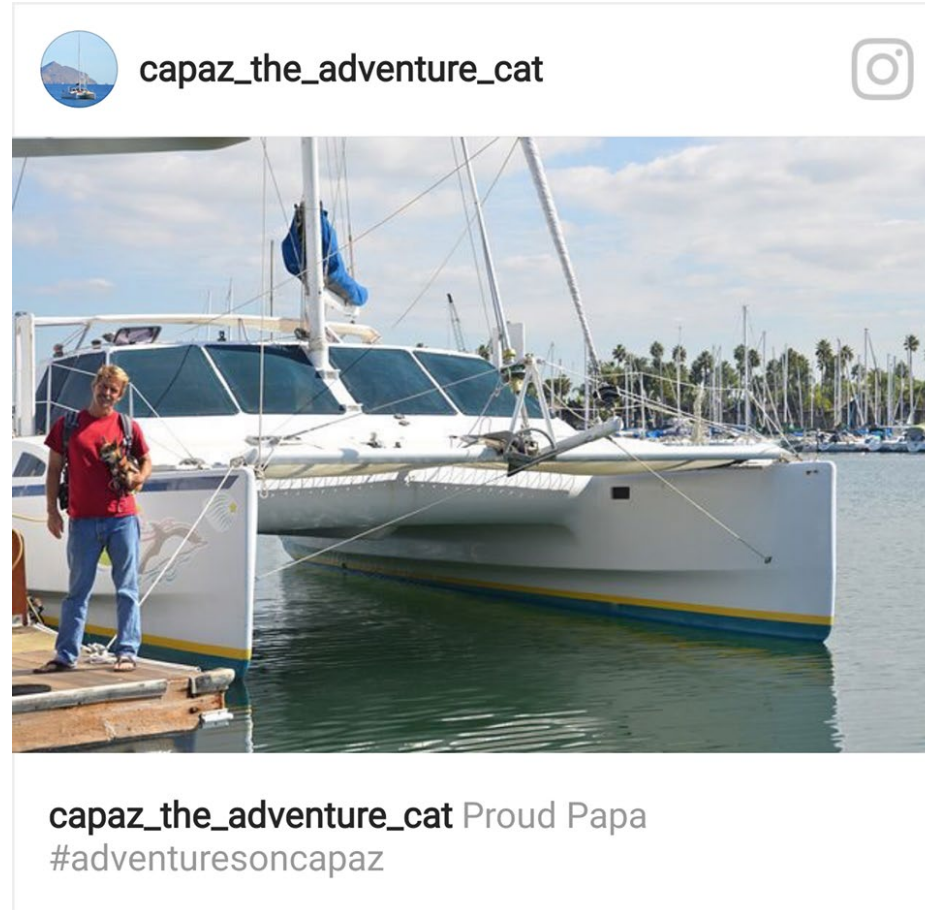
A Few Fun Cruisers



A Few Fun Cruisers



A Few Fun Cruisers



A Few Fun Cruisers



A Few Fun Cruisers



A Few Fun Cruisers



A Few Fun Cruisers



A Few Fun Cruisers

- 63' trimaran



A Few Fun Cruisers

- <https://www.multihullsolutions.com.au/boats/pre-owned/sail-multihulls/1997-kurt-hughes-open-bridge-deck-42-gato/>



A Few Fun Cruisers

- 63' trimaran



Lunar Lander Dwelling



Lunar Lander Dwelling



Lunar Lander Dwelling



Lunar Lander Dwelling

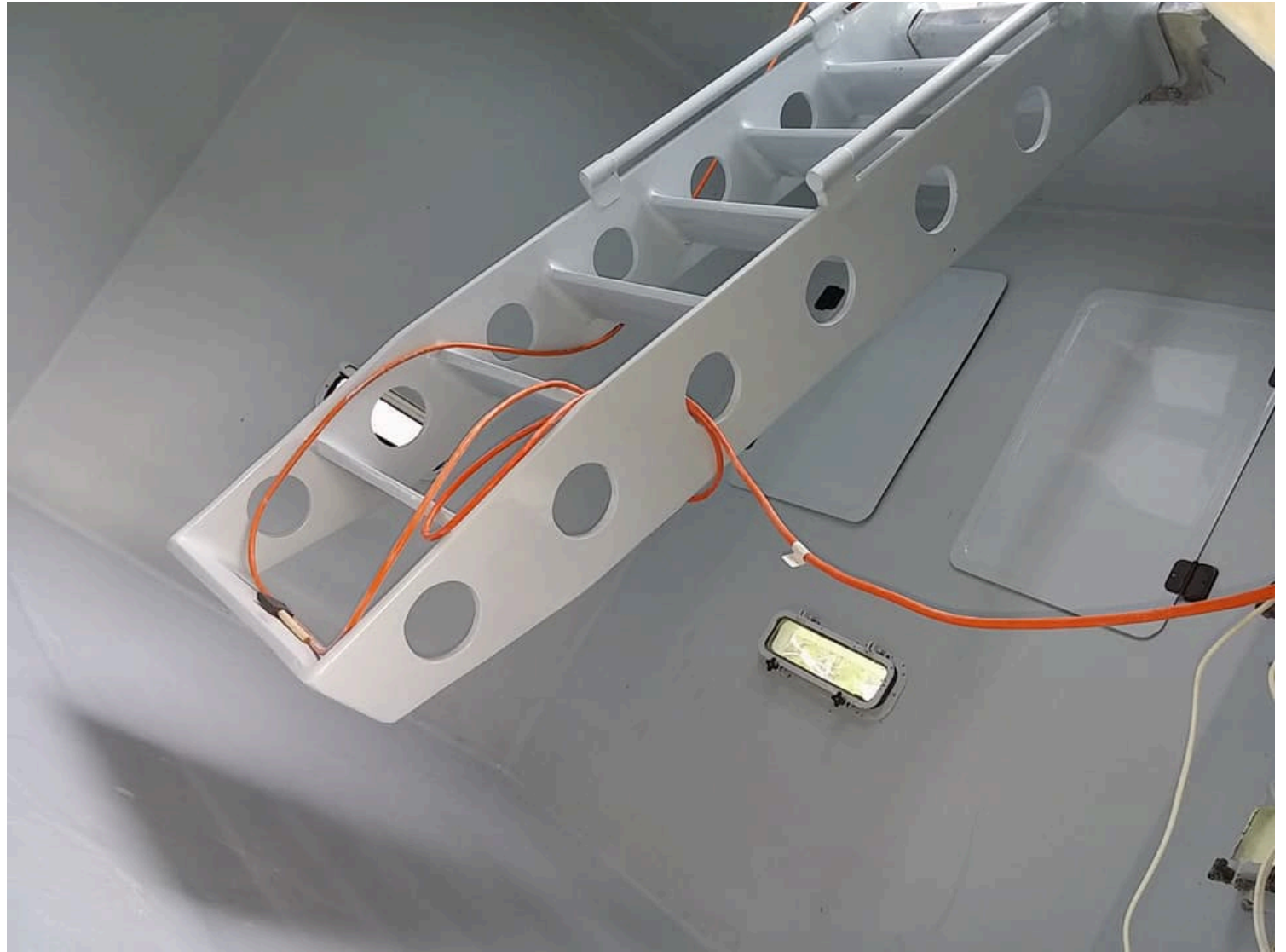


Lunar Lander Dwelling



Lunar Lander Dwelling

- 6 foot ships ladder



Geko



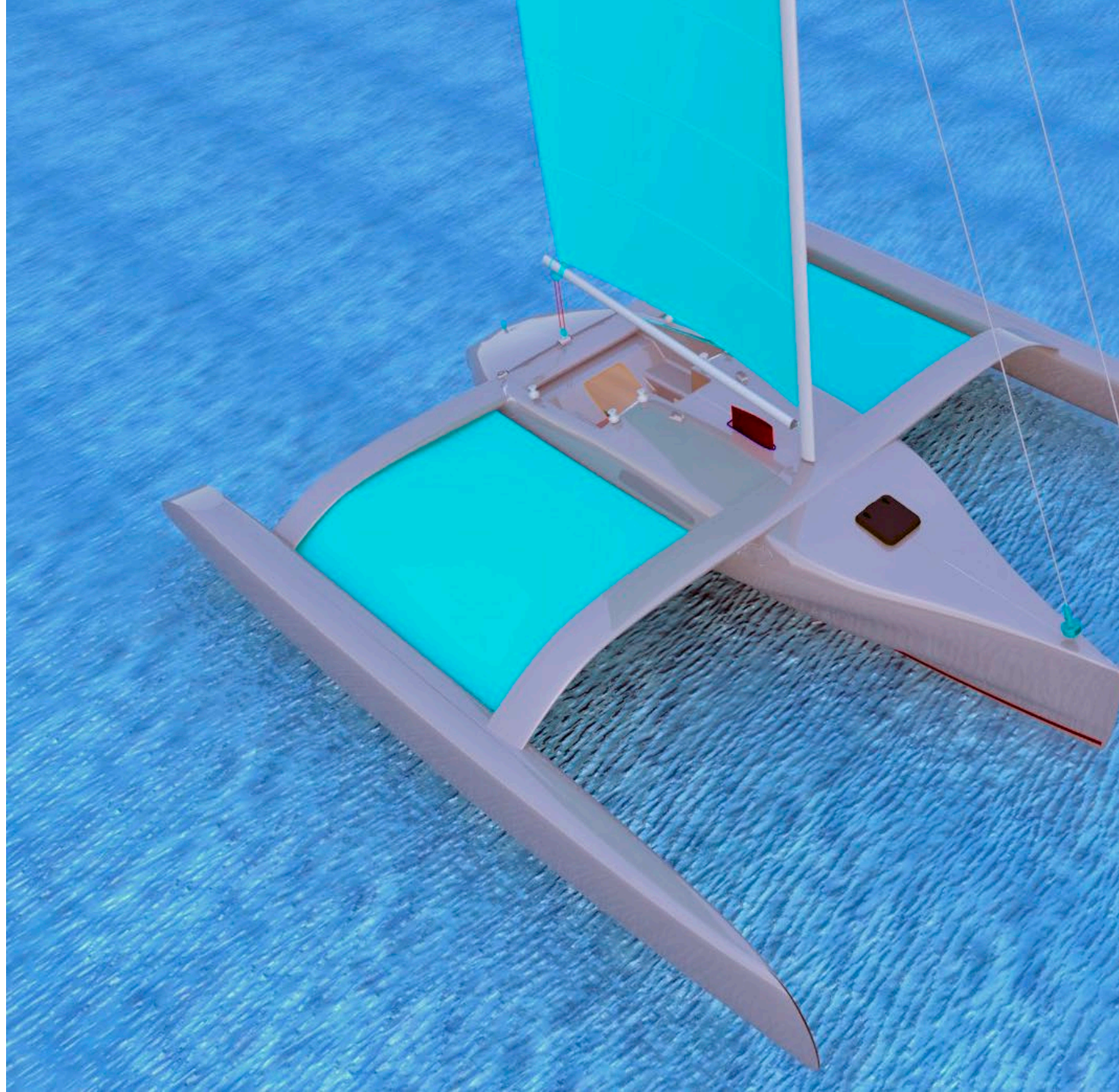
Geko





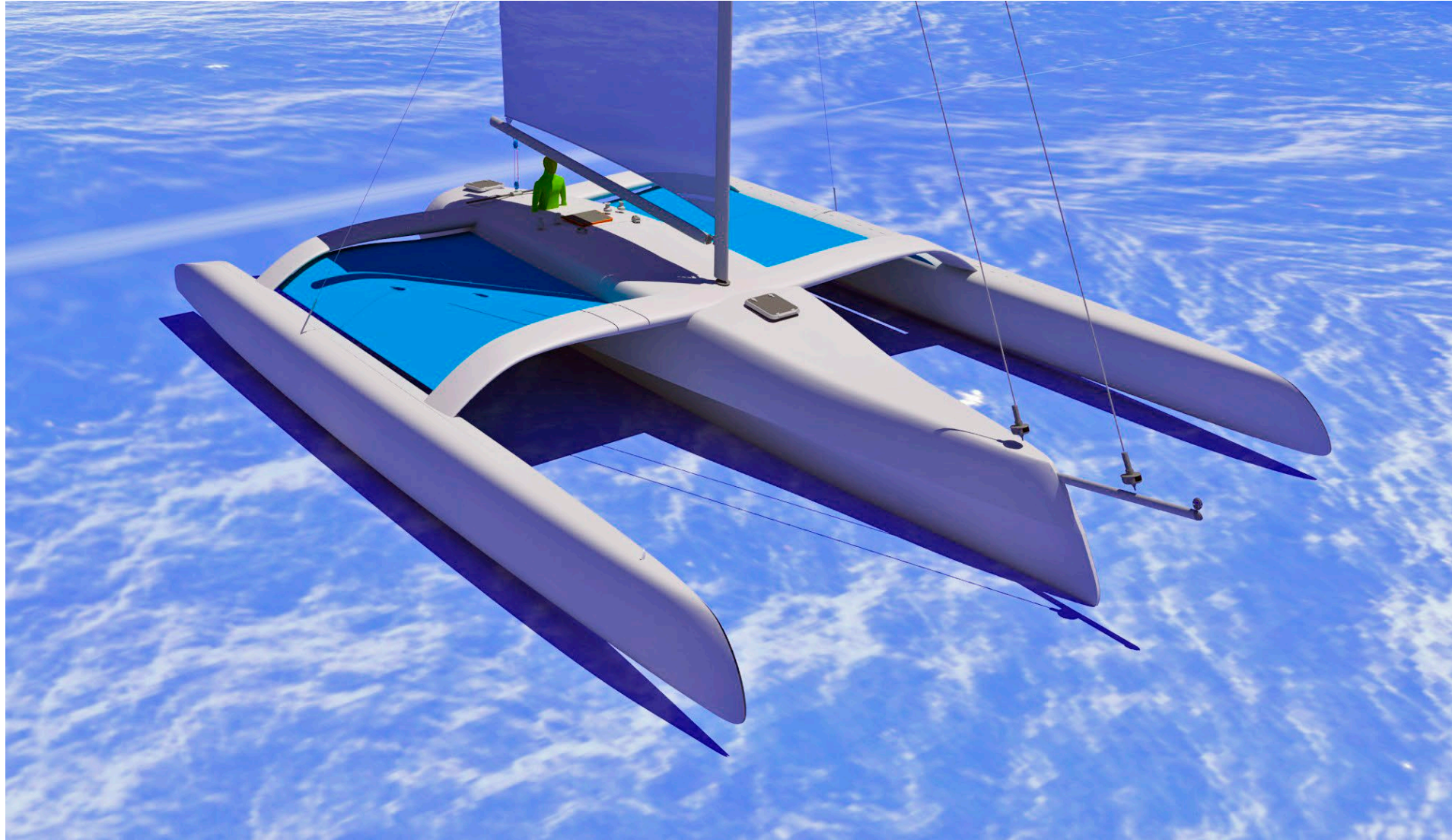
Recent Projects

- DF31 trimaran



Recent Projects

35' Trimaran



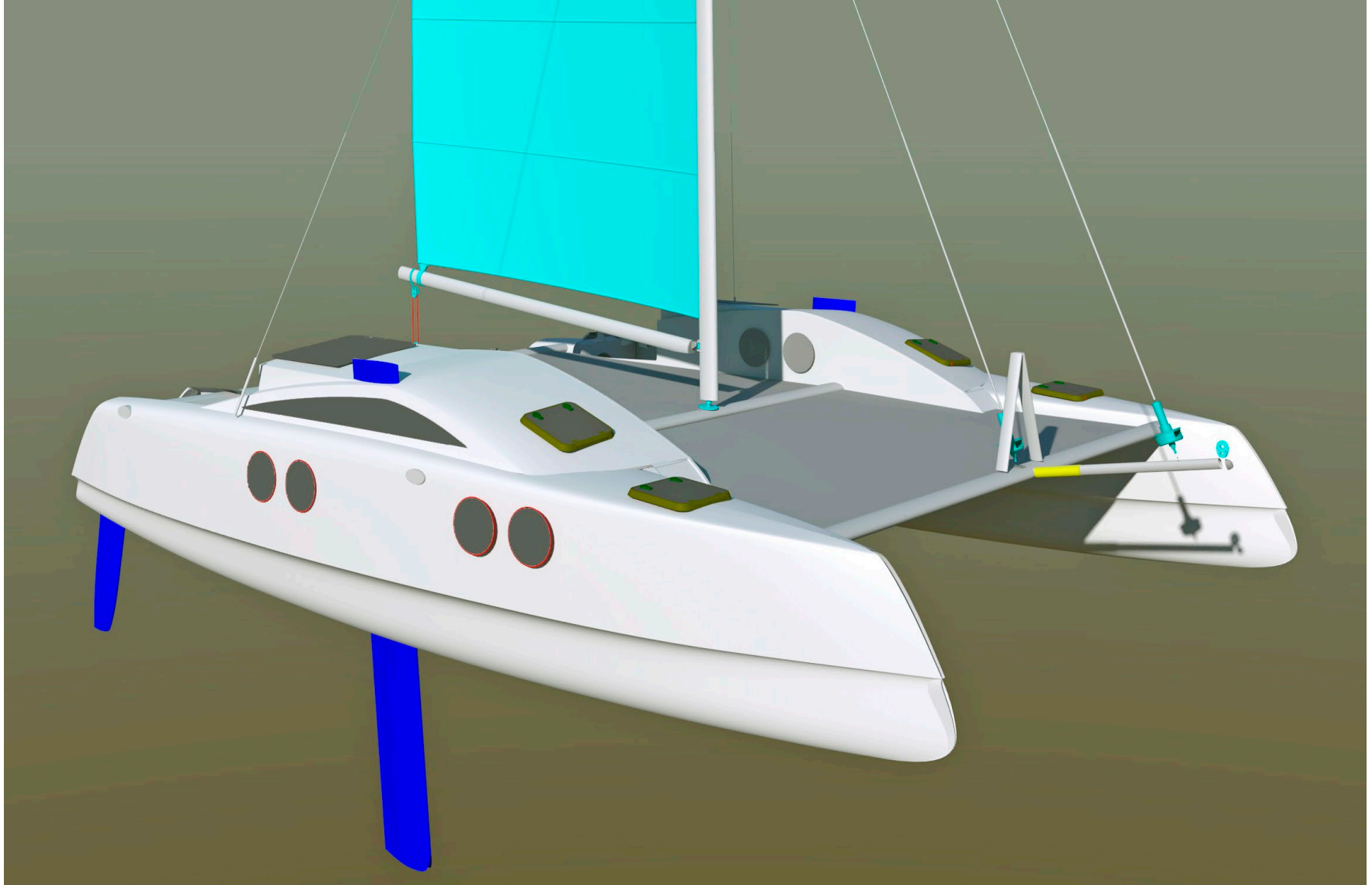
Recent Projects

- 26' tri



Recent Projects

- 27' cat



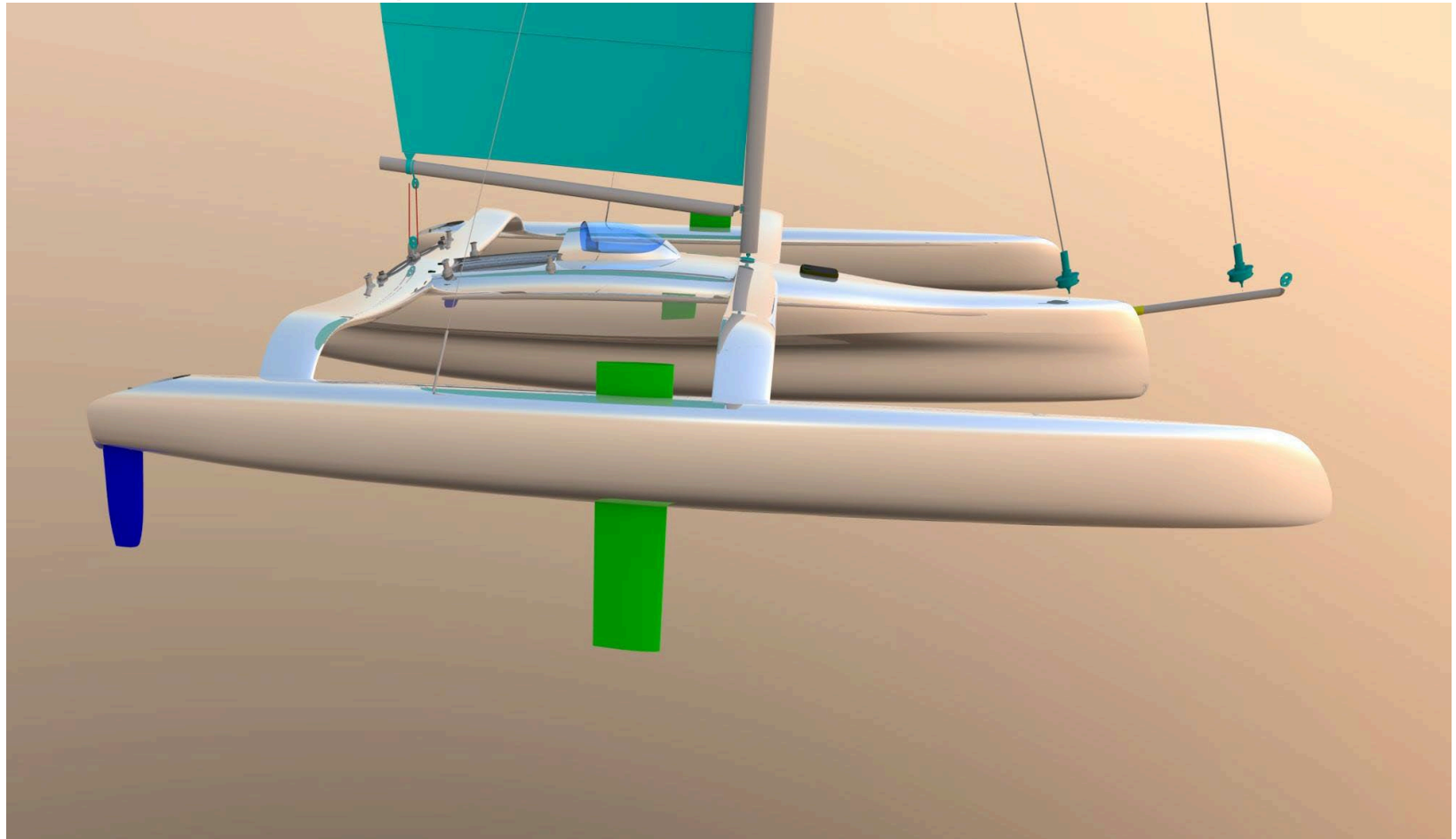
Recent Projects

- 27' tri



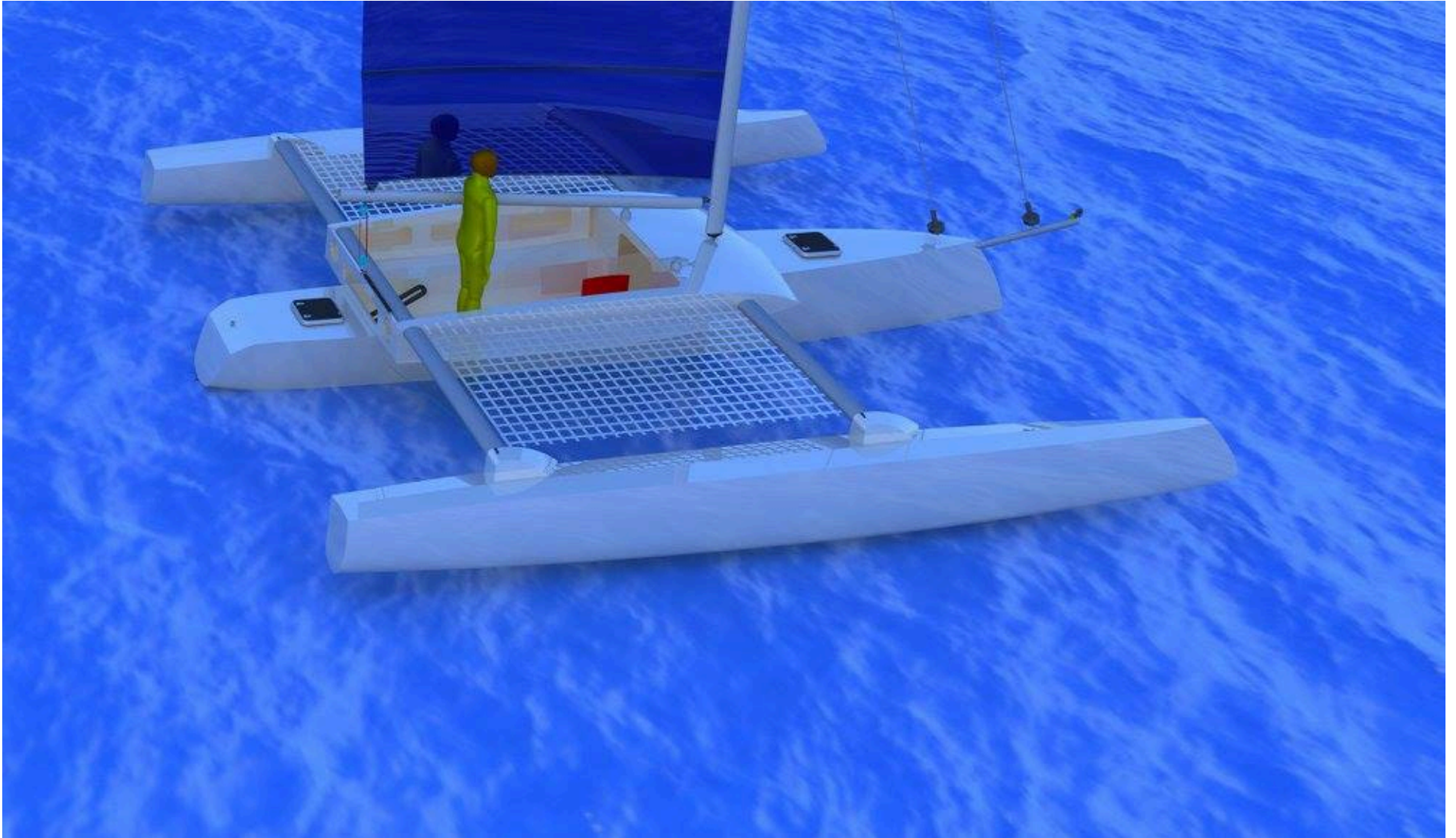
Recent Projects

- 40' tri for shorthanded racing



Recent Projects

- 23' tri



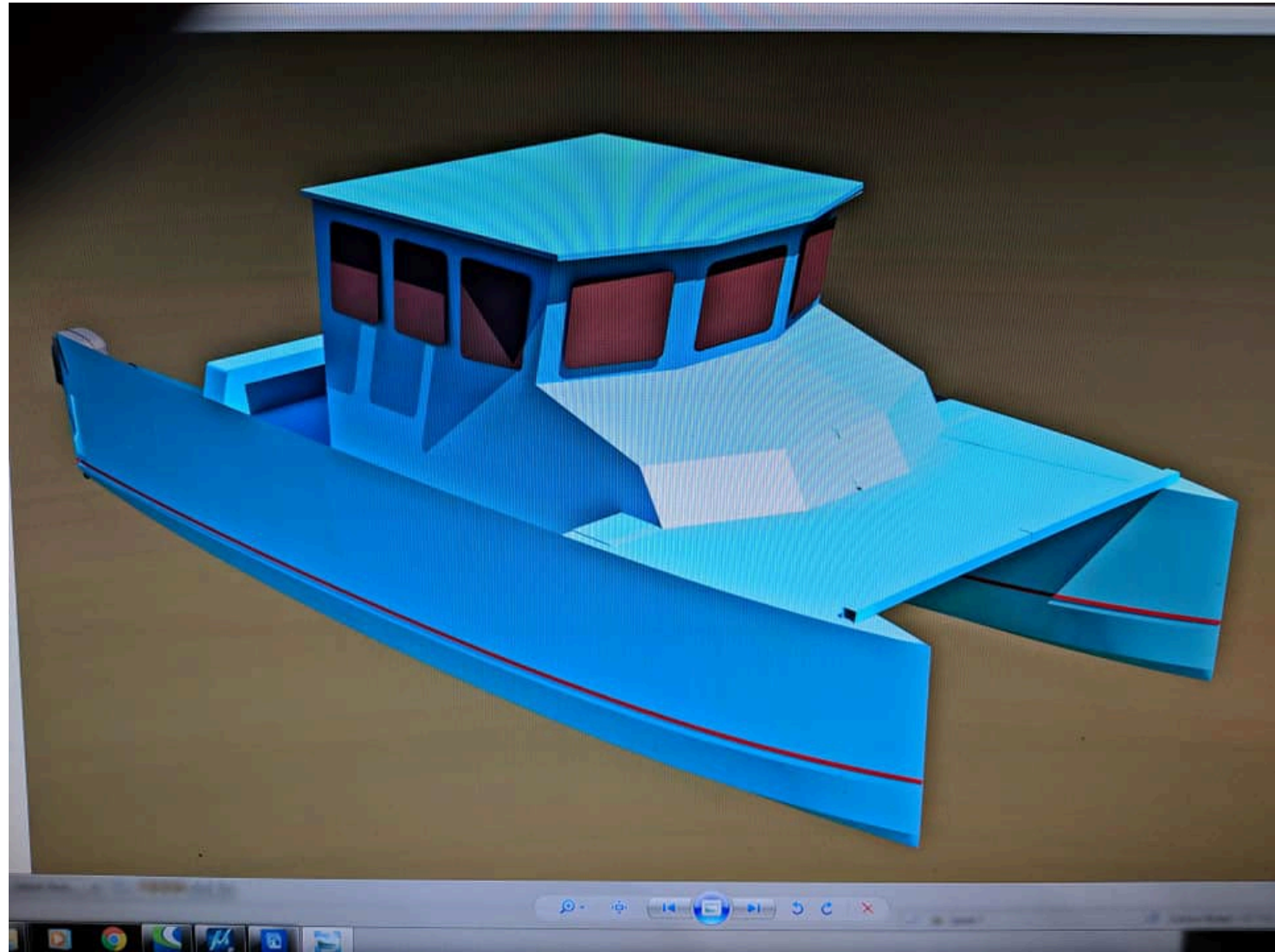
Recent Projects

- 79' Daycharter Lake Tahoe



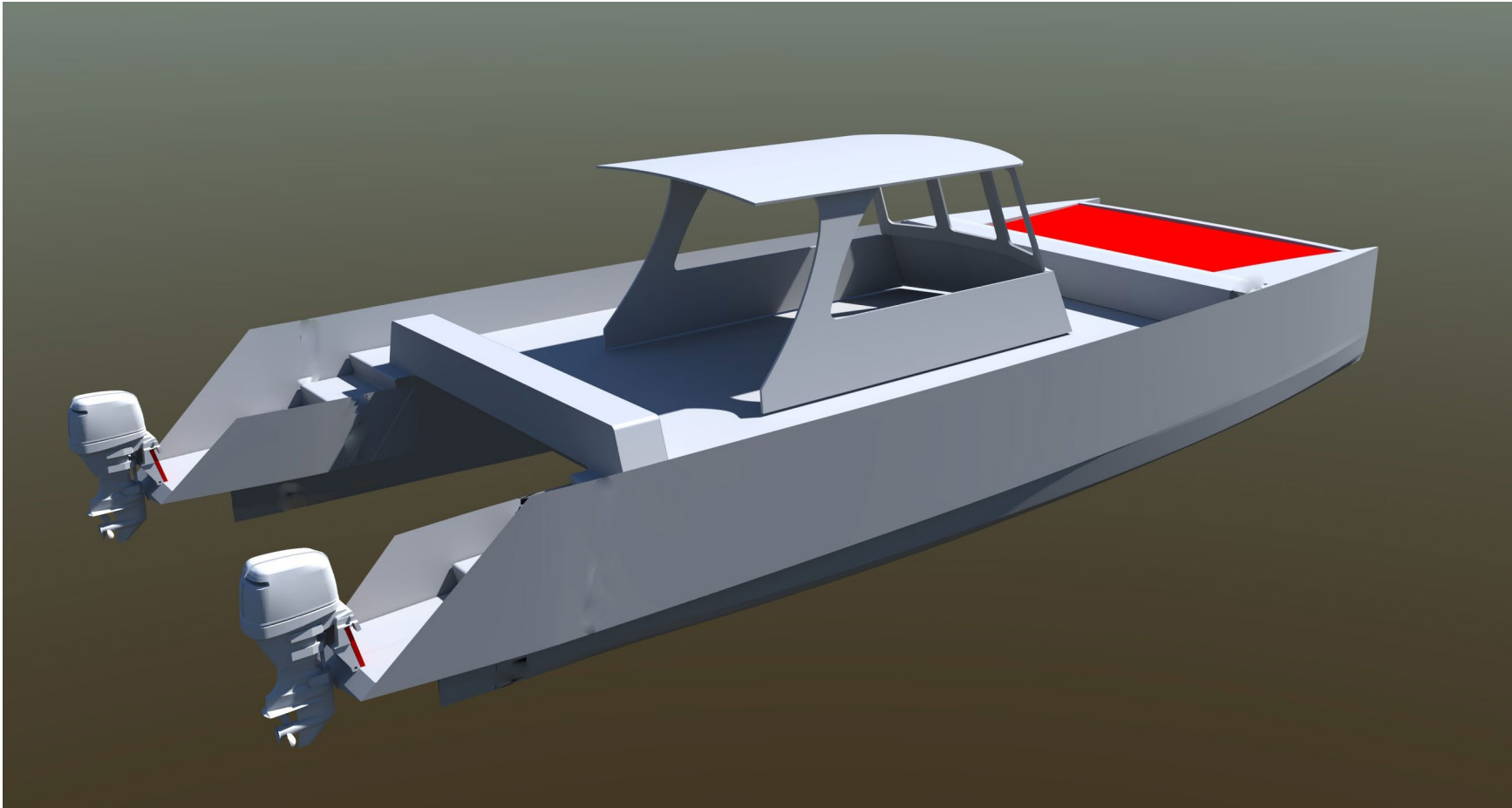
Recent Projects

- 30' Fishing Cat



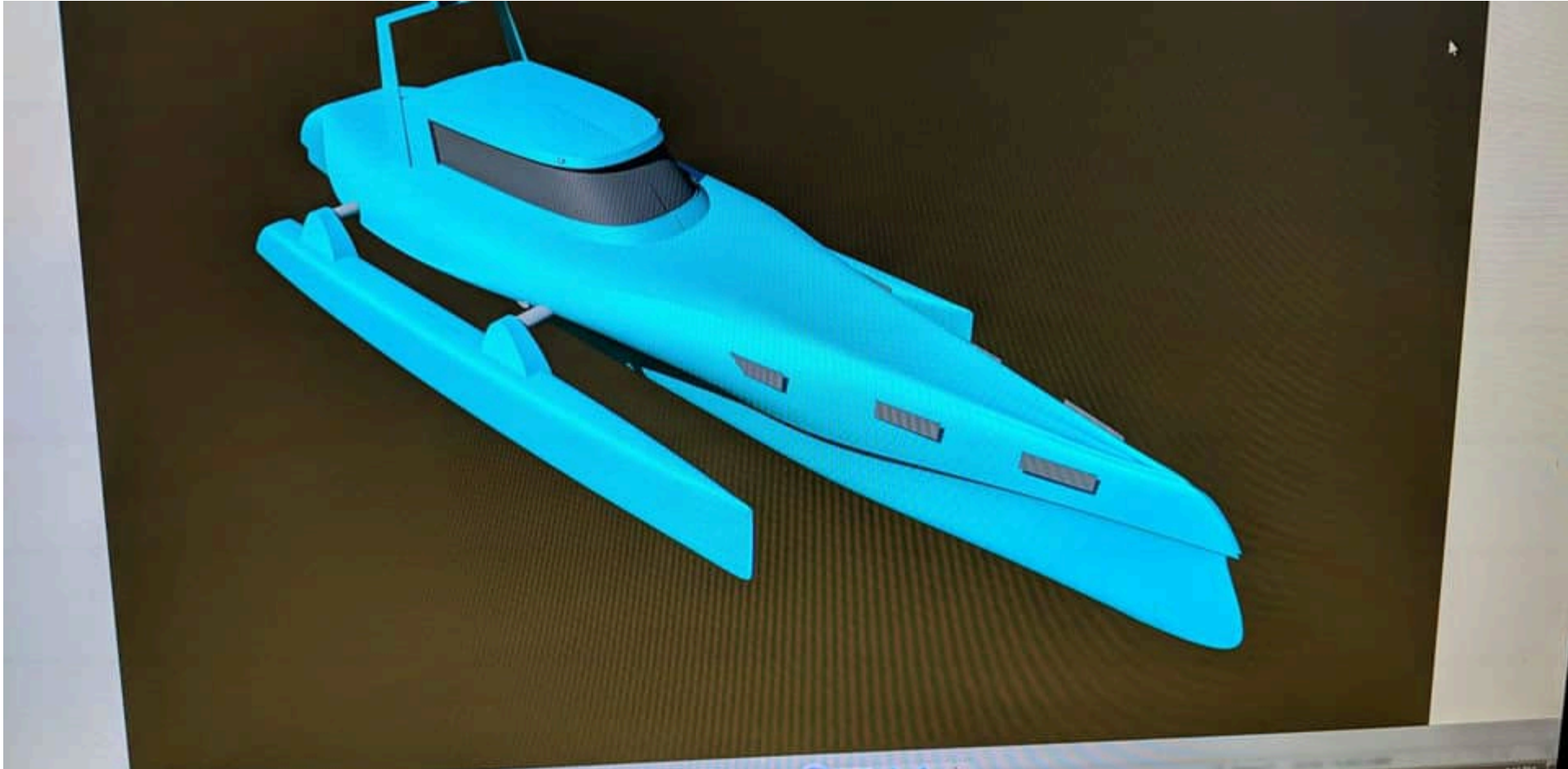
Recent Projects

- 40' Dive Cat



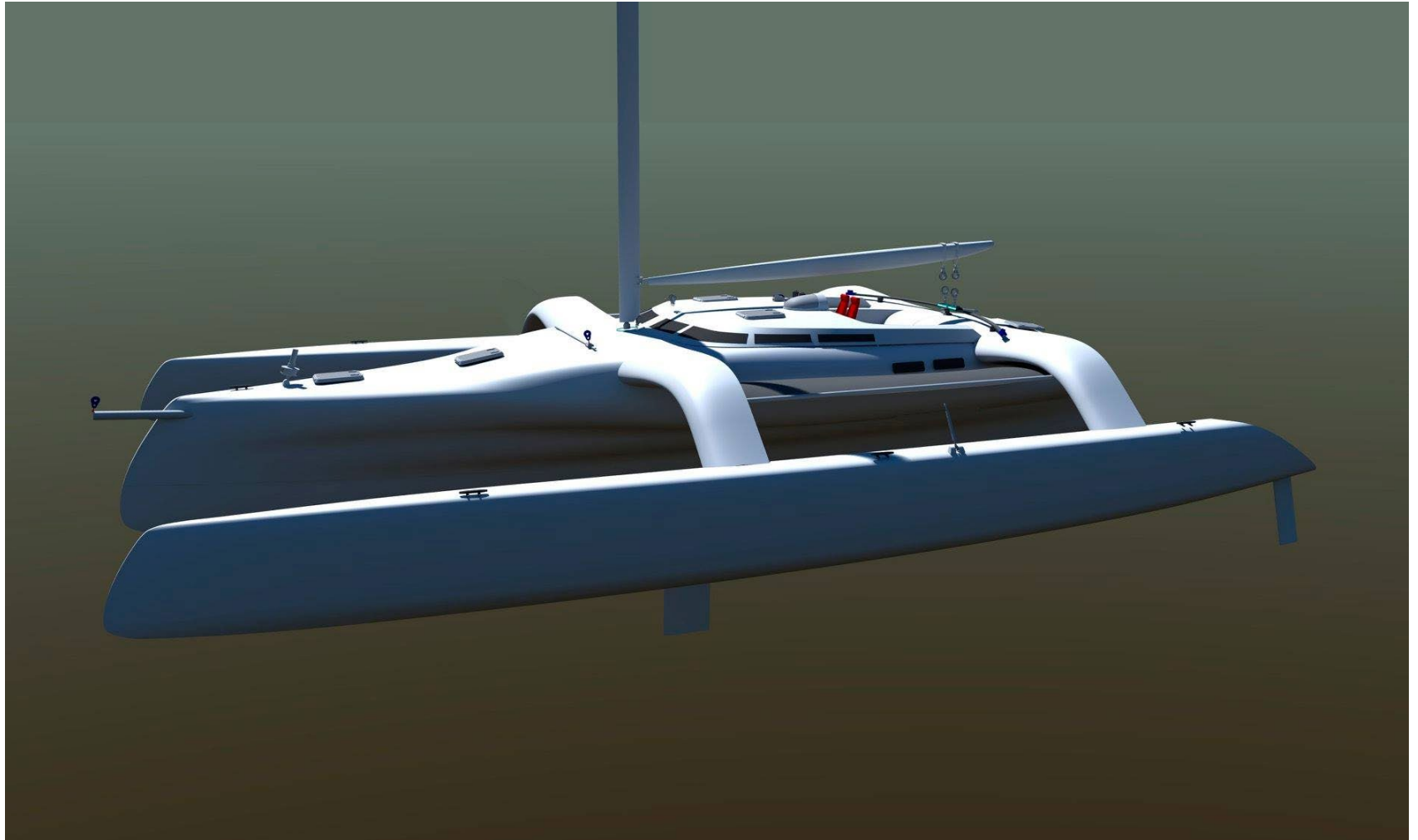
Recent Projects

- 61' Power tri



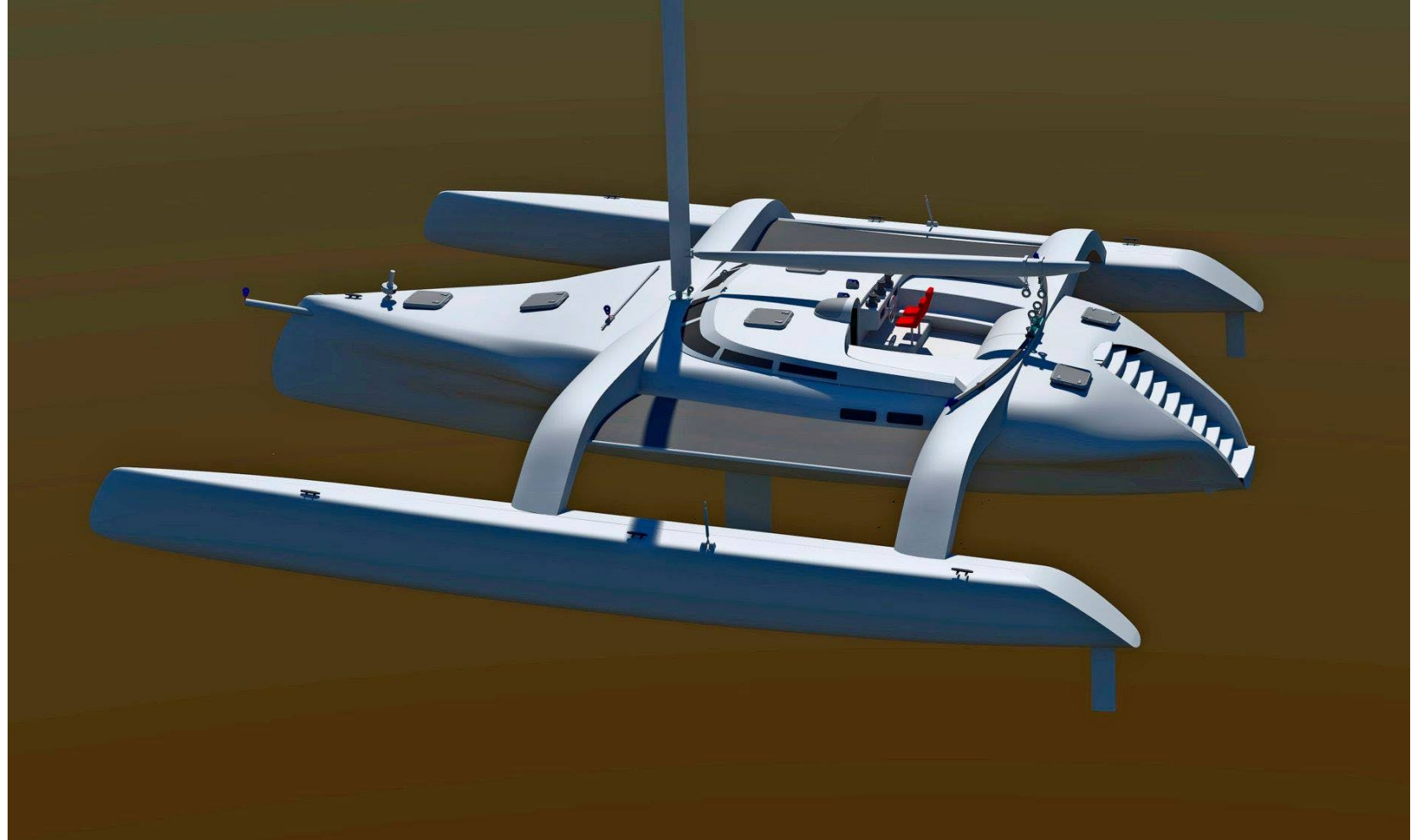
Recent Projects

- 79' trimaran



Recent Projects

- 79' trimaran

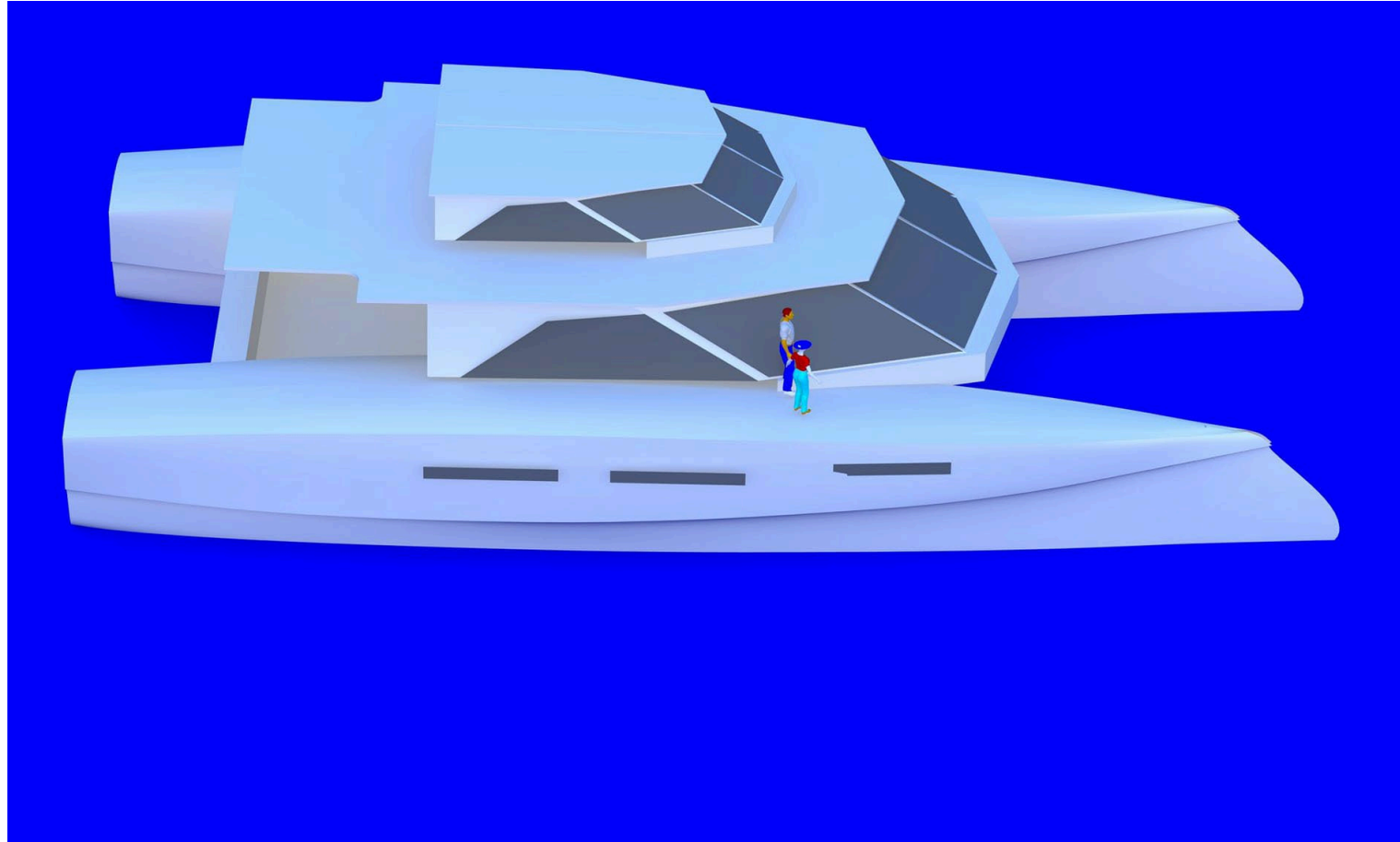


Recent Projects

- 45' cruising cat update



Recent Projects

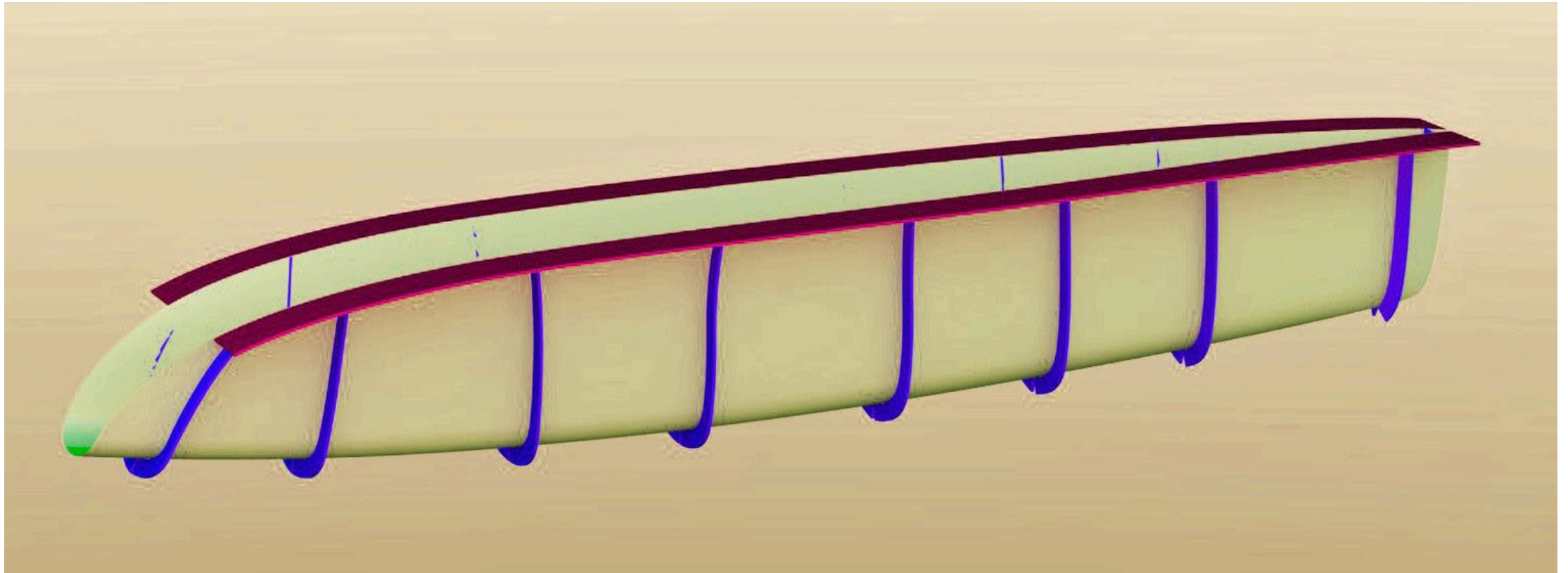


Rapid Construction

- Geko ama CM mold



Rapid Construction



Rapid Construction



Rapid Construction



Future

- QR codes



I get to play this summer

- 12' tri



The End