



**VIETNAM**

- **Composite Solutions for Global Industries** – Triac manufactures high-performance composite tooling (plugs and molds), products and parts for marine (commercial and pleasure – hulls, superstructures, masts, foils etc), mining, transport, defence and commercial applications.
- Internationally owned and based in Vietnam, Triac has particular expertise working with carbon fiber, prepreg and other materials.



9 June 2025



# Rapido & Triac Composites

- Parent company (est. 2014)
- Foreign-owned
- Markets and sells Rapido Trimarans Hong Kong-based

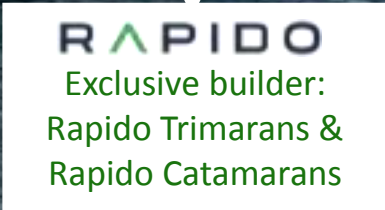
- Wholly owned by Rapido
- Western senior management and production staff
- Highly qualified and experienced Vietnamese staff
- Shipyard in HCMC
- Builder of other composite boats, products and parts
- Adds diversification to the Rapido line.



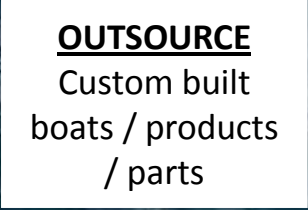
**RAPIDO**



**TRIAC**  
composites



**RAPIDO**  
Exclusive builder:  
Rapido Trimarans &  
Rapido Catamarans



**OUTSOURCE**  
Custom built  
boats / products  
/ parts

*The International Designer*



*International Certificate, EU*



Conformité Européenne (CE) certification is a regulatory standard that verifies certain products are safe for sale and use in the European Economic Area (EEA).

Each of Rapido's trimaran models are "CE-A" certified.

CE-A certification requires:

- A first class, detailed boat plan covering design, engineering, loads, lamination schedules and safety - all of which must meet CE (European) standards.
- On site inspection by certified CE surveyors of the boat building facility and regular inspection of each new boat model during the build.



*Triac Composites' CE-A Certificate*

**\* Rapido's manufacturing arm, Triac Composites, is ISO Certified.**



### CE (Conformité Européenne)

In 1998 the European Union created a Recreational Craft Directive that established design standards for most recreational boats from 8 to 79 feet.

### Category A – Ocean (CE-A)

CE-A covers largely self-sufficient boats designed for extended voyages with winds of over Beaufort Force 8 (over 40 knots), and significant wave heights above 13 feet, but excluding abnormal conditions such as hurricanes.



*The Rapido 40, 50 and 60 are certified at CE-A level.*



Morrelli & Melvin is an internationally renown naval design and engineering company based in Newport Beach, California.

Clients of their advanced, high tech composite designs include the US military, America's Cup entrants, the largest pleasure marine charter companies, pleasure boat manufacturers, private buyers, commercial ferry and other commercial operators.

For details of the technology used by MM during the design process, [click here](#).

# OUR TECHNOLOGY AND CAPABILITY

## Triac Certified Materials

**Statement Of Acceptance Of A Core Material**

**Manufacturer:** Gurt Composite Materials AG

**Address:** Sankt Leonhard 21, 9102 E. Roth, Österreich

**Production No.:** VBR04M 11, 201101020000000000

**Material:** GURT 900 00

**Type:** Core of Fiber

**Resin:** Triac 900 000

**Application:** Triac 900 000 for use in the production of composite parts

**Date:** 08.05.2011

**Approved by:** Gurt Composite Materials AG

*[Signature]*

**SUPPORT DOCUMENT (Certificate of Test)**

### CHOMARAT

**Product:** CHOMARAT CLY MAT 1000 G/30K

**Order No.:** 10000000000000000000

**Lot No.:** 10000000000000000000

PROPERTY	UNIT	TEST METHOD	RESULT	REMARKS
Thickness	mm	ISO 1578	1.00	
Modulus	GPa	ISO 178	130	
Strength	MPa	ISO 178	1300	
Strain	%	ISO 178	1.5	
Impact	kJ/m²	ISO 178	10	
Water Absorption	%	ISO 157	0.1	

**Certificate of Conformity**

**Customer No.:** 10000000000000000000

**Material:** CHOMARAT CLY MAT 1000 G/30K

Customer No.	Material	Specification	Inspection	Status
10000000000000000000	CHOMARAT CLY MAT 1000 G/30K	ISO 178	100%	OK

*[Stamp]*

**SGS**

**Ailnex Belgium NV/SA**

**ISO 9001:2015**

**SGS**

**BELAC**

**SGS**

- The materials used by Triac Composites are specified by our designers, Morrelli & Melvin.
- We source from international name brands that meet Morrelli & Melvin’s design criteria.

## Robust Supply Lines



One of our key suppliers, Hankuk Carbon, is located in HCMC, just three hours drive from Triac's factory.

Hankuk Carbon's facility has been approved by the Boeing Aircraft Corporation.

## OUR TECHNOLOGY AND CAPABILITY



- Triac Composites uses a CNC machine for precision cutting of materials such as foam and carbon fibre.
- A separate clean room, free of dust and other contaminants, is used when working with the prepreg carbon fibre for highly specialized parts



The 7 axis Kuka Robot is used extensively for both tooling and parts.  
It also runs along a 23m track.





- Infusion and pressure testing.

## OUR TECHNOLOGY AND CAPABILITY (cont)



- Triac Composites invests in people and technology that enable us to do our own tooling (eg plugs and molds) for production or one-off builds.
- Triac offers tooling services for clients.
- Equipment includes: autoclave (pressurized oven), 7-axis milling robot, CNC Machine and clean room.

# Rapido Trimarans built by Triac



Rapido 50 (15.2m)



Rapido 53XS (16.1m)

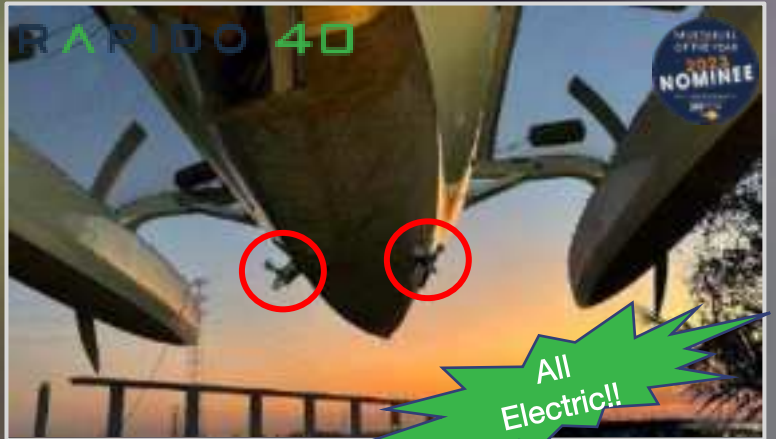


Rapido 60 (18.3m)



Rapido 40 RACER

Rapido 40 (12.2m)



All Electric!!

Triac Composites is the exclusive builder of the Rapido Trimarans' fleet.

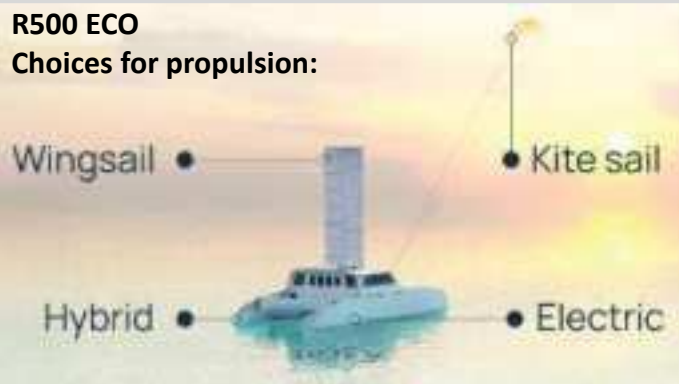
Rapido's trimarans are engineered and designed by world-acclaimed naval architects (eg America's Cup fame) in the USA, Morrelli & Melvin.



Rapido 500 ECO Power Cat.  
Global Premiere, Singapore Yachting  
Festival, April, 2025



**R500 ECO**  
Choices for propulsion:



The 6.5T weight of the R500  
ECO means that it is  
particularly well suited for  
electric, wingsails etc.



RC 17 | 19  
Private | Commercial

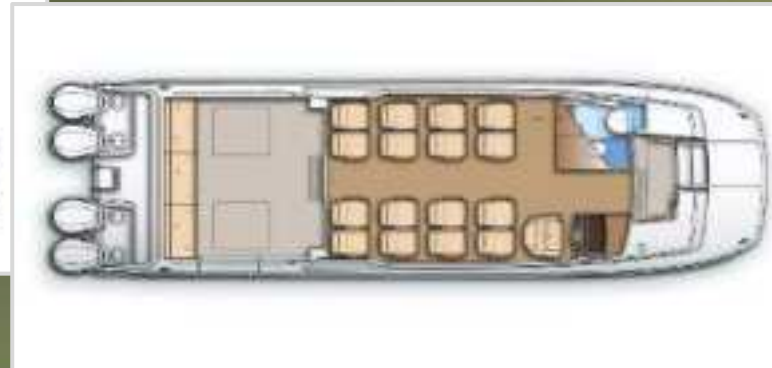




## RAPIDO - 400 Under Construction

- Commercial – law enforcement, commuter
- Private – 3 berth

Width of cabin - Optional



## High Tech parts by Triac



- All carbon fibre and composite parts for all Rapido Trimarans (ie, R40, R50, R50XS and R60) are built by Triac
- Highly specialized, high load, carbon fibre parts - made from prepreg and cured in the autoclave - include:
  - Mast
  - Boom
  - Dagger foils ("C" foils)
  - Rudderblade
  - Beams
  - Bowsprit; and
  - Bulkheads.
- All tooling is done by Triac





Dagger foils

# High Tech parts by Triac



Dagger foils

"T" foil rudder blade

Mast



Triac has built all composite tooling (plugs and molds) and carbon fiber parts for a significant UAV project. Note, the photo above is for illustrative purposes only - see <http://commons.wikimedia.org/> Any resemblance to the project Triac is involved in is purely coincidental.



Given Triac's expertise in the marine sector, carbon fiber vessels including unmanned surface vessels (USVs) and high speed craft are an area of great interest for us. So too are other composite parts and components such as radar shields etc. Note: Photo above is for illustrative purposes only. <https://creativecommons.org/publicdomain/mark/1.0/>



# Other composite products



Composite interiors for trains:  
wash rooms, walls, bunks, tables  
etc



Carbon ventilation tubes for  
mines and tunnels.



Superstructures for 3 x 24m  
Danish ferries.



Carbon teak table for  
Triac's boardroom.

Composite  
building  
facades (4m x  
2m)



High performance foils for maxi yachts.

## Commercial work



Triac builds these console sets for Damen Shipyards.



Air ducts: complicated shapes made light with prepreg glass.

## High tech, strong, lightweight interiors



For a 3D tour of the Rapido 60  
[click here](#)

Our interiors for Rapido Trimarans, as high performance boats, are high tech and lightweight. See Rapido 60 above.

## Outsourcing by Triac



Triac has built plugs and molds for international boat builders in the US and Asia.

Paul Koch  
General Director  
Ph +84 939 040 201 (WhatsApp)  
Email: paul@TriacComposites.com

Phil Johns  
General Manager  
Ph +84 773 707 615 (WhatsApp)  
Email: phil@TriacComposites.com

Triac Composites Company Limited  
Factory No. 4, 9 Nguyen Van Tao Street  
Long Thoi Commune  
Nha Be District  
HCMC, Vietnam

[www.TriacComposites.com](http://www.TriacComposites.com) / [www.rapidotrimarans.com](http://www.rapidotrimarans.com)