

## TP 52 – Phoenix Botin TP52

Phoenix, the latest TP52 from the Botin Partners office finished a credible 2nd place at the TP52 World Championships held in Porto Cervo, Sardinia. PURE provided the engineering for the composite structure and the steel keel fin. Phoenix was built by King Marine in Valencia, Spain, and was launched in March 2014.

Finishing 1st and 4th in the World Championships were Quantum and Azzurra respectively. These two experienced teams have dominated the TP52 racing over the last few years and were also designed by Botin and engineered by PURE.

## T-Foil Rudders – Multi70 Edmond de Rothschild

In preparation for the upcoming Route du Rhum the Multi70 Edmond de Rothschild has been modified to incorporate lifting T-foil rudders on the floats. PURE provided the composite engineering of the transom extension, bearing housing, rudder blade, elevator, and rudder case. Gitana is currently being prepared in Lorient, France, and initial sea trails are very promising. In the 2014 Route du Rhum the trimaran Edmond de Rothschild will be sailed by Sebastien Josse.

More information about Gitana Team : [www.gitana-team.com/en](http://www.gitana-team.com/en)

## Auckland to Fiji 2014 yacht race

Starting on the 7th June, the first few days of the race proved to be challenging with 25-35 kn NE wind and rough seas. Congratulations to Beau Geste, with full composite engineering by PURE, for winning line honours and finishing 2nd on IRC. Winning IRC was Giacomo (ex Volvo70 Groupama) with a new PURE engineered boom. Also putting in a strong performance was Carrera (Marten 49) with a new PURE engineered rudder.

*Position: 21°27.700 – 176°58.00  
Weather: 15 gusting 25 knots from 057 deg  
Sea state: 1 meters NE sloppy.  
Boat speed: 15 – 20 knots at 004 deg true.*

*The boat is going well with no issues at all on-board.  
We have the main with 1 reef in, a storm jib and the J3 up.*

*Considering we have been bashing head winds since the start and how near we are to the record for Auckland to Fiji one cannot help been impressed with both this boat and its crew.*

*Gavin Brady, Skipper Beau Geste*

## Centenary Lecture 2014 Battle of the Boats – How Technology won the America's Cup

As part of IPENZ (Institution of Professional Engineers New Zealand) centenary celebrations Andy Kensington (PURE, ETNZ) and Neil Wilkinson (OTUSA) were asked to give a public lecture about technology and the 2013 America's Cup. The six city tour was well attended with over two thousand people attending the lectures. The first lecture in Whangarei was recorded and can be viewed on You Tube: <http://www.youtube.com/watch?v=XQoNYe2jFP8>

## Round North Island Yacht Race - Bushido Elliott 35ss

Starting in Feb 2014 the Round North Island Yacht Race is a gruelling 2 handed race around the North Island of New Zealand with stops in Mangonui, Wellington, and Napier. Bushido, the Elliott 35ss (sistership to Crusader), one of the smallest yachts in the fleet, performed extremely well, winning line honours on the two longest and toughest legs of the race. Bushido finished the race 2nd on Elapsed time, 1st on PHRF, and 2nd on IRC. PURE provided the composite engineering.

## Giovanni Belgrano UK office update

In April of this year Giovanni relocated back to the UK after over 10 years based in New Zealand. Giovanni is working closely with PURE's Europe based clients. One of his first "projects" was to get his classic 1939 Laurent Giles 38' sloop "Whooper" back in the water after many years in storage. Look out for him racing on the Solent.

**STOP PRESS**

In a very close contest Giovanni's team on "Whooper" finished 2nd in class 4 of the UK IRC nationals.



Phoenix TP52 2014 Worlds (credit Martinez Studio)



Gitana training Lorient (copyright Yvan Zedda / Gitana SA)



Beau Geste finishing in Fiji (credit Brad Davies)



Bushido RNI race (credit Elliott Marine)



Whooper & Gio (credit Rick Thomlinson)

## ABOUT PURE:

PURE DESIGN & ENGINEERING specialises in the structural design of composite yachts. The founding partners Giovanni Belgrano, Andy Kensington, and Adam Greenwood together have over 70 yrs combined experience in the design of composite structures. PURE have a team of five engineers, and three draughtsmen. Services include engineering specifications, construction drawings, 3D modelling, FE analysis, onsite assistance & inspection.

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improved website  
[www.pde.co.nz](http://www.pde.co.nz)

