



**inSIGHT**

## RMK AND HOT LAB GIVE WELL-KNOWN TRINITY A COMPLETE MAKEOVER

*Keyla* has re-emerged from RMK Marine in Istanbul, Turkey, where she spent more than 18 months undergoing a transformation that included a swim platform extension, the fitting of a new interior by Hot Lab inside a revamped layout, a new sun deck and new paint scheme. The well-known Trinity, previously known as the 142-foot *Chevy Toy*, was a popular yacht on the charter circuit until she was sold to new owners who, for now, intend to use the yacht privately.

A side-by-side comparison of the layout reveals a brand new interpretation of life on board. Hot Lab Yacht & Design's lead designer, Antonio Romano, confirms everything was changed, from the guest areas to the crew area, which were fitted with additional berths.

"We've saved only the main handrail of the interior staircase. We were in love from the beginning with this detail and also with the layout of the main staircase," Romano says. To blend with the new décor, the banister was sanded and lacquered white. Romano worked closely with the owners, a family, who chose a high-contrast contemporary décor that serves as an enticing backdrop for their fossil and art collections.

On the technical end, RMK replaced or upgraded most systems, save for the air-conditioning system and the electronics in the pilothouse. Now almost 149 feet long, *Keyla* is essentially a new yacht. See before and after pictures on our iPad edition. [www.rmkyachts.com](http://www.rmkyachts.com); +90 216 581 3300. [www.hotlab.it](http://www.hotlab.it); +39 02 8969 4695



MAIN DECK DINING



MASTER SUITE



SKYLounge

### BEWARE OF GPS SPOOFS

An exercise by the University of Texas' Department of Aerospace Engineering and Engineering Mechanics raises a flag as to how secure a vessel's onboard electronics really are from potential hackers. Not fool-proof is the answer.

The engineering school students and Assistant Professor Todd Humphreys used a homemade GPS spoofing device the size of a briefcase to steer the 213-foot motor yacht *White Rose of Drachs* off course.

Andrew Schofield, the yacht's captain, had met Humphreys at a technology conference in 2012 and invited him and his students to do the experiment. The students had previously captured a GPS-guided drone by using a spoof.

From the yacht's top deck, they were able to create a fake signal that overtook the real GPS signals and fooled the onboard naviga-

tion system. No alarm sounded on the bridge, as the students took control of the yacht and sent her on a parallel course hundreds of feet away from her original track, while the crew kept a close watch from the bridge.

"It was very odd," Schofield says. "We knew it was happening, [but] the boat on the screen was tracking smack down the rhumb line and when you look out the back, there's a great big curved wake behind us."

While this experiment highlights a potential vulnerability worth considering, the technology isn't widely available.

The International Hydrographic Organization investigates further the GPS spoofing issue as part of a conference on navigation safety it holds in September. For a more in-depth look, see our iPad extra.

— STEVE DAVIS [www.utexas.edu](http://www.utexas.edu)

