

## IS YOUR RADIO SYSTEM FULLY COMPLIANT?



On Thursday 19 May, Spanish police entered Barcelona's marinas and refit yards to track down the source of a rogue radio signal that was disrupting the local rail network. As it transpired, the source of the signal was a superyacht berthed at OneOcean Port Bell which was, unknowingly, operating an illegal frequency.

*SUPERYACHT NEWS MAY 2016*

## DON'T GET CAUGHT OUT!

Does your onboard UHF crew radio system comply with the International Telecommunications Union schedule?

Are you using the correct frequencies?

What rules apply in the countries on your itinerary?

**Failure to meet international telecommunications criteria can result in your onboard crew radio system being switched off.**

## HOW CAN CREST HELP?

Crest Systems offers a truly independent verification and testing service for crew radio systems. See page 2 for more details.



We are also technical partners for all of the leading industry radio equipment manufacturers including Icom and Hytera and are licensed by Ofcom.



## RADIO SYSTEM VERIFICATION SURVEY

**At Crest Systems we specialise in technical system management and consultancy for the superyacht industry. For both new builds and refits we offer design, management and support covering AV, IT, Communications and Lighting systems.**

### WHAT WE DO?

We have extensive knowledge and experience of crew communications systems and because we will not supply any radio equipment as part of the survey, can give total, independent advice.

#### As part of our service we will:

- Carry out a full system check
- Confirm all operating frequencies for all components within the system
- Give confirmation of bandwidth that the radio system is currently working within
- Carry out measurement of ERP (Effective Radiated Power) for all transmitting devices
- Check and record details of all external and internal antennas connected to the system
- Report on findings; advise on necessary changes to fully comply with ITU requirements\* and provide recommendations
- Advise on country specific requirements as per cruising schedule

\*ITU Recommendation ITU-R M.1174

### WHY WE DO IT

Crew UHF radio systems are an essential part of the day-to-day operation of a modern yacht. They need to be independently verified and operating within the guidelines set out in the International Telecommunications Union schedule to avoid potential issues in different ports and jurisdictions throughout the world.

### NEWBUILD PROJECT?

Our new build surveys and technical advice ensure that all requirements are taken in to account during the early stages of the build process. We will assist you in carrying out the initial design and survey for your crew communication system. Doing this at an early stage will ensure that the radio system will operate correctly, whilst working within the guidelines.

**Independent Radio System Consultants...**

**...with over 30 years' experience in the radio communications industry.**