



Ganesha case study

The ultramodern, 46m Ganesha is the first superyacht to boast a dual 60cm antenna installation, providing seamless global satellite coverage – and Inmarsat’s industry-leading Fleet Xpress is the satellite service of choice for its captain, crew and guests

The Hindu deity Ganesha represents ‘the Lord of Good Fortune, the Lord of Beginnings and the Remover of Obstacles’. These benign connotations underpin the philosophy which drove the design of the 46m high-performance cruising Ganesha, launched by Vitters Shipyards in 2013.

Capable of accommodating up to eight crew and 10 guests, Ganesha is unstinting in pursuit of the all-encompassing, stress-free experience her owners seek to provide for everyone aboard – including, of course, her captain and crew. Unobtrusive but cutting-edge functionality has been a fundamental consideration in every facet of the boat’s design; so it naturally follows that the most efficient, discreet and dependable global Wi-Fi and communications solution should be on board.

To this end, Ganesha became the first superyacht to boast a dual Fleet Xpress installation. e3 Systems, Inmarsat Value Added Reseller and integrated communications, network and IT solution specialists, managed the installation, utilising a pair of discreet Cobham SAILOR 60cm antennas and a SAILOR FleetBroadband 500 terminal, powering unlimited global Ka and L-band connectivity. The solution represents an efficient and integrated means of guaranteeing seamless connectivity on ocean voyages, where signal outages could otherwise occur in high sea conditions causing line-of-sight blockages.



Previously, the yacht was fitted with a matching pair of very large Ku-band SeaTel 4012 domes, with a combined weight of just under 300kg. To reduce the weight and windage of the hardware installed, and improve the physical appearance of the yacht’s rig, the decision was made to opt for Fleet Xpress to enable high-speed connectivity and global streaming IPTV [internet protocol television] solution.

The coverage of Ku in the offshore areas Ganesha cruises, specifically the south-eastern Pacific Ocean and during Atlantic crossings, was not the best available. Global, reliable connectivity is extremely important to everyone onboard, and Ganesha's cruising itinerary was the prime motivation behind looking at alternatives.

The subscription flexibility of the Fleet Xpress solution is a pertinent asset for superyachts such as Ganesha, wherein seasonal and operational demand inevitably fluctuates. Bandwidth can easily be upgraded to meet peak-demand requirements, while lower bandwidth suffices for daily operations.

By harnessing the full potential of Fleet Xpress to smoothly handle big data, wherever their sailing itinerary takes them, Ganesha's captain and crew will be empowered to deftly take care of an enormous variety of responsibilities including weather monitoring, business dealings and video conferencing, while guests can comfortably avail themselves of all the communications and streaming benefits that guaranteed offshore connectivity can bring.



“Being able to enjoy all the benefits of the Fleet Xpress Ka-band service via the inconspicuous dual antennas has greatly enhanced the onboard experience. I was super impressed with the system staying connected in heavy rolling seas, and particularly happy that it allowed us to stream the six nation’s rugby over VSAT in the Atlantic off the Canaries – that really is a great result.”

Alex Pamment
Captain, S/Y Ganesha

Overcoming what previously appeared to be insurmountable connectivity challenges is a testimony to the effectiveness of Ganesha's dual-antenna installation and the strength of Fleet Xpress as a service guaranteeing delivery of high data speeds.

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