

# Sea the Difference

## Enabling Land-Like Connectivity at Sea

The global demand for broadband doesn't stop at the shore. Passengers and crew aboard ferries, fishing vessels and tour boats all need to be connected – all the time. The Hughes JUPITER™ System for maritime services enables cost effective and efficient onboard connectivity for people and equipment. It's ideal for delivering connectivity to the bandwidth-hungry crew and passengers aboard vessels of all sizes traversing the world's waterways.

With the JUPITER System terminals, gateways and operating system, maritime operators can:



Connect to Ka-, Ku- and C-band satellite capacity



Power throughputs of up to 300 Mbps



Roam seamlessly between satellites



Perform active transmit doppler compensation



Interoperate with most antenna controllers via OpenAMIP

### Satellite Communication

The heart of the JUPITER System for maritime applications is the Hughes HT2500 router that supports the NMEA serial interface used for provisioning of navigation data. A second outroute configuration assures continued connectivity if the ship's superstructure blocks the signal from the primary satellite.

### Passenger WiFi

Just like on land, passengers on cruise ships, ferries, fishing vessels, and tour boats possess an insatiable demand for connectivity. Supporting up to 16,000 sessions at a time, the Hughes JUPITER System assures a positive, connected experience.

### Ship Operations

Ships depend on constant shore connection to send and receive a wide range of diagnostic and operational data. Reliable and cost-efficient, the Hughes JUPITER System ensures these complex and vital connections.

### Crew Downtime Solutions

For ships that spend months at sea, connectivity is critical for crew welfare and employee retention. Crews maintain contact with families and friends, complete personal business transactions, and relax during off-hours – all thanks to the Hughes JUPITER System.

Learn more about how Hughes technologies and services power a new wave of maritime mobility solutions at [hughes.com/maritime-solutions](https://hughes.com/maritime-solutions)