exactTrax™

A revolutionary new solution is now available for monitoring fishing boats and small commercial vessels across the globe – this advanced tracking solution combines exactTrax technology enabled transponders with the exactTrax data service.

The simplified and cost-effective system will provide the ability to monitor the millions of fishing boats and small commercial vessels currently traversing our oceans using the existing domain awareness tools at a fraction of the cost of other available solutions. The exactTrax data service will utilise exactTrax enabled transponders to deliver an unrivalled picture into the world’s global maritime activity providing critical intelligence into a variety of marine applications such as fisheries protection, environmental preservation, as well as maritime security through improved ‘dark’ target analysis.

**exactTrax** is a unique new technology which enables the transmissions from AIS Class B and transponder type AIS transceivers to be reliably received by the exactEarth global satellite network.

exactTrax technology allows for the consistent and effective tracking of any fishing boat or small commercial vessel. The low power transceivers are cost effective and easily deployed, eliminating the need for expensive equipment upgrades.
exactTrax Features

- Extended fishing boat tracking beyond the traditional coastal surveillance of 50nm (most country EEZ’s extend 200nm beyond the coast)
- Higher detection rates for fishing boats than ever possible before (combining exactTrax technology with patented Spectrum Decollision Processing techniques from exactEarth results in the highest and most consistent detection levels)
- Additional vessel behaviour insight as each message received will contain a multi-hour vessel track, its current position, speed, direction, etc.
- Seamless integration with existing operational systems as position reports are delivered in recognisable formats such as NMEA

A complete picture of Class B vessel positions (blue) tracked through the exactEarth satellite constellation.

exactTrax and exactTrax enabled transponders ensure a higher level of safety in our oceans, offering a real benefit to maritime domain awareness. Now any boat, regardless of size, can be equipped with the proper tools for efficient tracking and monitoring.