EXACTEARTH LAUNCHES ADVANCED EQUATORIAL AIS SATELLITE

Satellite will play an important role in the fight against illegal fishing

It was announced from Cambridge, Ontario, Canada on 28 September that exactEarth Ltd., a leading provider of satellite AIS data services, reported the successful launch of an advanced AIS satellite, known as exactView-9 (EV9), thereby expanding its exactView™ global vessel monitoring constellation to eight in-orbit satellites.

This spacecraft was built by the University of Toronto Institute for Aerospace Studies Space Flight Laboratory and launched from the Satish Dhawan Space Centre in Sriharikota in India on 28 September aboard the Indian Space Research Organizations (ISRO) PSLV-C30 rocket.

Complementing the existing polar orbiting satellites of the exactEarth constellation, EV9 orbits around the equator every 97 minutes providing expanded and detailed coverage to the busy tropical shipping regions of the world.

EV9 employs a next generation AIS payload and supports exactEarth’s patented ground-based AIS spectrum processing technology in order to deliver superior vessel detection performance. EV9 will be supported by a network of high data rate earth stations enabling exactEarth to rapidly provide data to global customers. The satellite will also be able to provide high performance detection of low power class B AIS transceivers, outfitted with the ABSEATM detection technology, for the small vessel market.

Equipping fishing fleets and other small vessels with these inexpensive, satellite-enabled class B AIS transceivers is an important element of the fisheries management strategy for countries in this region to combat the very significant illegal fishing problem and to improve their maritime safety and security.

Said Philip Miller, VP of Operations and Engineering at exactEarth: ‘The successful launch of our first equatorial orbiting satellite is another important step in our growing constellation of satellites...The equatorial region contains some of the world’s densest shipping areas so it is essential to have a satellite AIS technology which can deliver high detection performance serving this region’s customers. EV9, in combination with the other satellites in our constellation, allows us to deliver updates at least once per hour of vessel
About exactEarth
exactEarth provides global maritime vessel data for ship tracking and maritime situational awareness. Since its establishment in 2009, exactEarth has pioneered a powerful new method of maritime surveillance, Satellite-AIS (S-AIS), and has delivered a view of maritime traffic across all the world’s oceans unrestricted by terrestrial limitations.

exactEarth has deployed an operational data processing supply chain involving a constellation of satellites, receiving ground stations, patented decoding algorithms and advanced data processing and distribution facilities. This advanced system provides a comprehensive picture of the location of AIS equipped vessels around the world and allows exactEarth, it is understood, to deliver data and information services of high performance with reliability, security and simplicity to its markets.

Picture caption
This is a record of global shipping density and shows traffic from one typical month and highlights the busy tropical shipping regions for which exactEarth’s new equatorial satellite will provide expanded and detailed coverage.

Reproduced by kind permission of exactEarth©.