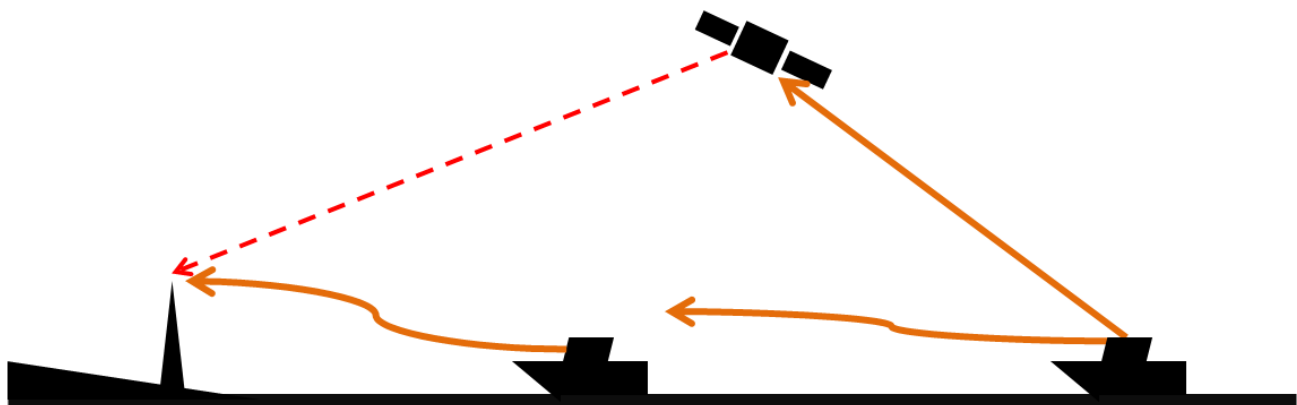
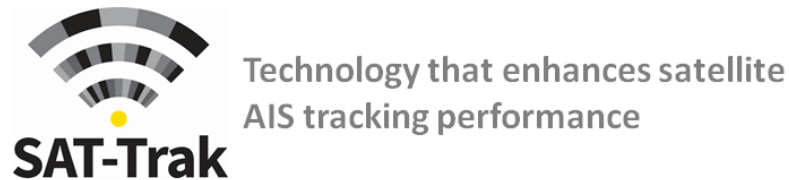


About SAT-Trak Technology

SAT-Trak™ is an advanced technology that significantly enhances the detection of AIS transmissions by satellites. SAT-Trak™ is an entirely transceiver based technology and can be optimised for any AIS transceiver type and configured to any AIS satellite constellation.



SAT-trak™ enables reliable long range vessel tracking using AIS

Due to the way the AIS system is required to operate as defined in the relevant ITU and IEC specifications, detection and decoding of transmissions from vessel transceivers by AIS satellite systems (S-AIS) is problematic with the problems significantly worsened when large numbers of AIS transceivers are deployed in a single region. As such S-AIS services typically only detect a small percentage of possible transmissions.

SAT-Trak™ is a configurable technology which resides entirely in the AIS transceiver and works to dynamically overcome these issues. The result is a dramatic increase in the percentage of transmissions that an AIS equipped satellite will successfully detect. SAT-Trak™ achieves this by dynamically changing certain technical transmit parameters within the transceiver and messaging to condition and optimise the transmission for detection and decoding by the AIS satellite. Thereby improving the number of transmissions that the satellite will successfully receive and decode and thus the number of vessel targets that are seen and the frequency with which each is seen.

SAT-Trak™ technology can be integrated into any AIS transceiver type, Class A, Class B, Identifier, Aids to Navigation, PLB and MOB to improve satellite detection performance whilst not affecting normal terrestrial performance and operation.

Certified and independent field testing shows that SAT-Trak™ technology can uniquely increase the number of vessels seen and the number of position reports from each vessel seen via satellite by up to a factor of ten.

For more information email: info@sat-trak.com