

Geospatial Analysis SubsystemPart for Vessel Tracking

1Spatial, through its subsidiary ComSine, has delivered to Pole Star Space Applications Limited (UK) an advanced geospatial analysis subsystem to form part of its MarVTS LRIT-DC product and in addition its suite of associated Fleet Management and Alert offerings.

The International Maritime Organisation's (IMO) Long-Range Identification and Tracking (LRIT) Regulation i.e. SOLAS V/19-1, requires that in general all ships on international voyage should automatically transmit a GPS position report each 6 hours via a satellite communication system to a Data Centre (DC) established by the Flag the ship is registered to. 1Spatial's geospatial components provide Pole Star with the mandatory functionality to allow each DC to establish the relational location of the incoming position reports against a published set of dynamic geographical areas and complex associated position reporting rules (set-up by each participating Government to represent approximately their coastline, territorial sea and outer 1000 nm LRIT zone).

As a result of this project 1Spatialhas engaged a new formal partnership with Pole Star. The partnership sees Pole Star's expertise in the provision of highly successful commercial marine asset tracking services, complimenting 1Spatial's digital spatial data handling and associated operational software development expertise. In the future and in addition to the continued evolution of Pole Star's MarVTS LRIT-DC offerings, 1Spatial will be working with Pole Star to enhance the spatial data management and web mapping services in other Pole Star commercial tracking services and products, through the application of geospatial data management and access standards.