

News Release

Annex A

Industry Collaboration between ST Engineering Electronics and Alpha Ori Technologies

ST Engineering Electronics and Alpha Ori Technologies had inked an MOU in August 2017, to co-create and co-develop smart data analytics solutions in Smart Ship as well as Smart Fleet Management.

The Next Generation Vessel Operations Control Centre (VOCC) is the culmination of 12 months of consolidated efforts between data scientists and domain experts from both companies, in developing and delivering advanced data analytics capabilities for maritime fleet operations.

Under the product branding of S.A.I.N.T.S (Smart Analytics with Insights), several operational modules will be delivered. These include:

- SMART Ship Module for real-time visualisation and anomaly detection of maritime assets at sea.
- Voyage Planning Module for real-time passage planning for ships with Maritime Information as a Service (MaaS), providing information concerning ports with anchorages and bunker availability, fuel prices fluctuation and hydro and weather conditions.
- Cargo Planning Module which provides information for careful handling of different cargoes in varying degrees of complexity.
- Collision Avoidance with predictive modelling of the Singapore Straits and expansion to other hot spots for the safe and efficient arrival and departure of vessels in and out of port.

Both ST Engineering Electronics and Alpha Ori Technologies see a tremendous demand for SMART Ship operations and maritime services that require VOCC to be equipped with advanced data analytics capabilities.