

Digital Transformation of the Maritime Industry

**Mr. Adam See-Toh Yan Meng,
Associate director of Satellite Products, Sing Tel**

The Maritime Industry is undergoing a wave of digital transformation. There is a strong drive towards autonomous ships where operational efficiency is the key focus in ship management. Human errors will be reduced to the minimal and onboard IoT (“Internet of Things”) becomes a reality. Satellite Broadband communications will be a norm where data transfer becomes essentials for ship-shore communications. Fleet managers could make real time decisions from the comfort of his office via a portal. The question is how far are we today from this aspiration? We are not that far. Many companies are already developing both hardware and software for BIG DATA collection onboard and performing data analytics to help ship captains better manage their vessels. I will be sharing some of these developments and current trends today.

With more data transfers between ship and shore, will ships become more vulnerable to cyber-attacks? Are ships easy target for cyber attackers? In my presentation, I will be sharing on the developments of cyber security in the Maritime Industry and what we can do to lower our cyber risks.