![ST Engineering Aerospace logo]

Biography of
TEONG Soo Soon
Programme Director, UAV Business Unit

Mr Teong Soo Soon was appointed Programme Director, UAV Business Unit on 1 April 2018. In his role, he is responsible for commercial drone market, overseeing the programme development, aviation regulatory, technology advancement and product development aspects of the business. Prior to his current appointment, Mr Teong had built up extensive UAV development experience when he was heading the Advance Systems Department from 2013 to 2017.

Mr Teong started his career in ST Engineering's Aerospace Sector in 1997 as a thermal engineer and undertook his MSc in Air Vehicle Design at Cranfield University (UK) from 1998 to 2000. Throughout his career, he had been involved in various technical fields such as thermal analysis, structural and mechanical systems design as well as system integration. Mr Teong was the Technical Manager for the FedEx Passenger-to-Freighter programme in Mobile Alabama (USA) from 2007 to 2009, which eventually saw to the redelivery of more than 130 aircraft to the customer. When he returned to Singapore in 2009, he undertook the role of the Senior Business Development Manager to promote in-house developed UAV solutions to both commercial and military clients.

Synopsis: Use of Drones for Aircraft Inspection to Improve Turnaround Time

Currently, the aircraft "Maintenance, Repair and Overhaul" (MRO) industry is very labour intensive and requires high safety standards to ensure the well-being of the passenger carrying aircraft as well as the technicians and engineers who perform the maintenance tasks. Due to the large size of commercial aircraft, activities such as the General Visual Inspection (GVI) of external areas may need ground support equipment to be deployed so as reach the high points of the aircraft. With the eventual goal to reduce the overall turnaround time (TAT) for the aircraft maintenance work and the risk of human working at heights, ST Engineering Aerospace has developed the DroScan solution to perform automated data collection and image analytics for the GVI tasks.