



# ST ENGINEERING UNVEILS ENABLING TECHNOLOGIES AND INNOVATIONS AT SINGAPORE AIRSHOW 2020

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**Be ready to discover 100 of its latest innovations and technology know-how from ST Engineering that enables cities to meet demands of a transforming landscape at the Singapore Airshow 2020. The display, featuring frontier technologies such as digitisation, artificial intelligence, data analytics, robotics, cyber solutions, and industry 4.0 practices, will cover an extensive area of over 2,000 sqm. The show theme “We Know What it Takes”, embodies the essence of ST Engineering’s enabling technologies and engineering solutions that are organised in three clusters – Aviation, Defence and Smart City. Presenting the Group’s integrated offerings from its business sectors comprising aerospace, electronics, land systems and marine, they are designed to meet the aviation industry’s demands for safe and robust solutions; exploit new technologies to win the next battle; and incorporate big ideas to bring about a better quality of life.**

“As defence agencies and commercial organisations look to technology innovation to enhance their competitive edge in the marketplace, Singapore Airshow will be the ideal platform to engage our customers, partners and visiting dignitaries, and demonstrate to them our proven expertise in predictive analytics, AI, robotics and digital connectivity, and deep engineering capabilities. As a smart technology and defence partner, we know what it takes to keep aircraft flying safely, win on a digital battlefield, and shape cities for a smarter, more sustainable future,” said Mr Chew Men Leong, Chief Marketing Officer, ST Engineering.

### **Aviation Cluster – World-Class OEM with World-Leading Aftermarket Solutions**

As a reflection of its world-class aviation capabilities that straddle Original Equipment Manufacturing (OEM) and aftermarket services, ST Engineering will be demonstrating solutions that range from aviation equipment such as engine nacelles, newly launched cabin interior products and designs, smart aviation technologies, to unmanned aerial systems and flight simulation training such as the Air Distributed Mission Trainer. In a showcase of the Group’s growing capabilities as an OEM in the aviation industry, visitors will get to see engine nacelle models for the Leap 1A engine (which powers Airbus’ A320neo) and the Leap 1C engine (which powers COMAC’s C919). On display for the first time is a conceptual design for long-haul economy class seat using a high-performance, proprietary magnesium alloy that can deliver a 30% saving in weight, and the world’s first expandable lavatory designed to create greater accessibility and convenience for Passengers with Reduced Mobility.

### **Defence Cluster – Winning the Battle in the Digital Age**

With decades of expertise in developing innovative engineering solutions and military battlefield vehicles for air, land and naval forces, ST Engineering is able to harness latest technologies like data analytics, AI, robotics and cybersecurity to help warfighters gain an advantage, hence ensuring a high probability of mission success and better survivability.

Appearing for the first time at the Singapore Airshow 2020 is the Hunter Armoured Fighting Vehicle (AFV), one of the most advanced fully digitalised fighting platforms designed to meet the operational requirements for the future battlefield. On demonstration will also be the next-generation Defence Platform Electronics featuring advanced technology which equips friendly manoeuvre force with ‘see-through’ vision system for 360-degree enhanced situational awareness views, and new equipment like the Less-than-Lethal UAV, weapon systems such as the 120mm Precision Mortar System, 120mm Super Rapid Advanced Mortar Systems (SRAMS MkII) and the Micro ADDER Remote Weapon Station.

Maritime security solutions such as the Vanguard 130 Multi-Role Combatant and defence training

solutions such the MAK ONE - Synthetic Training Environment (STE) will also be on display.

### **Smart City Cluster – Shaping Future Cities**

Having delivered over 700 smart city projects in more than 130 cities, ST Engineering is able to leverage its extensive experience and help customers make faster, smarter, and more informed decisions, while contributing to a sustainable world.

On showcase will be ST Engineering's CitySense suite of Smart Mobility, Smart Security, and Smart Environment solutions in Airports, Townships, Transportation, Connectivity and Autonomous Technology. These include automated and smarter security solutions such as the Next Gen Biometrics Platform for E-Gates and self-service kiosks; and NeuSAR, a Synthetic Aperture Radar micro-satellite that enables global sustainable development such as monitoring global climate changes, facilitating humanitarian aid and enhanced emergency response and disaster preparedness.

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