

THALES IN SINGAPORE



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Supporting the drone operations of today, and tomorrow

As a major global actor in the aviation community, Thales is bringing to the drone ecosystem its unique combination of domain expertise to transform the future of unmanned aviation and urban air mobility (UAM). From flight avionics to UAV system design & operations, wireless communications systems, digital identity and cybersecurity, positioning and navigation enabling satellite systems, Thales is redefining what is possible in this UAS sector.

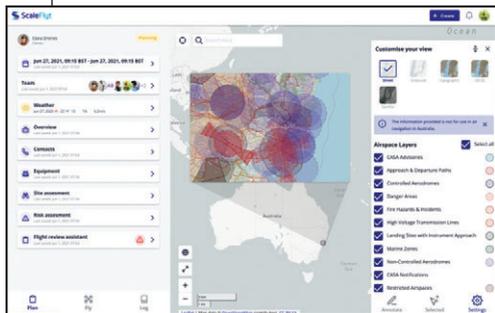
With three out of every four commercial aircraft taking off and landing with our Air Traffic Management solutions, we are also leading the way in unified Airspace Traffic Management including small drones, long-range drones and VTOL passenger aircraft that route them around restricted airspace.

Ensuring regulatory & internal compliance

With the existing avionics pedigree of Thales, we provide a broad range of technical solutions for drone manufacturers and drone operators to support ever increasingly challenging drone operations, at scale. We focus on developing solutions, which ensure operations are not only safe, but compliant with existing legislation. With both national and international regulations in mind, our products support the risk assessment methodology for all commercial drone applications like drone surveillance, delivery and many others.

The commercial drone operations of today are not only complex but are often impeded by the challenges of ensuring compliance with regulations, avionics security, long-range datalinks, but also the administrative burden of planning operations which hinders scalability.

ScaleFlyt, Thales' new product line for UAS, seeks to address these challenges which will be faced by the drone operators of today, and tomorrow. Thales brings to market a suite of products and services which support complex drone operations ensuring a high level of safety: from Visual Line of Sight (VLOS) operations requiring Remote Identification modules compliant with global standards, to Beyond Visual Line of Sight operations (BVLOS) looking for support on SORA (Specific Operations Risk Assessment) applications.



As enterprise UAS experts, we understand the operational challenges and risks involved with running an enterprise drone programme. We help take away the complexity of running drone operations, making the process efficient and streamlined. With our digital services platform, we give the customer a single integration source of our entire suite of products whilst helping relieve the administrative burden of managing drone activities.

Discover more: www.thalesgroup.com/en/markets/aerospace/drone-solutions

THALES IN SINGAPORE



Thales is recognised as a key partner for aerospace solutions, providing avionics and in-flight entertainment (IFE) systems on board world-renowned airlines in Asia Pacific. Established in Singapore since early 1980s to support Airbus Group's expansion in the region, our aerospace activities in Singapore today include Maintenance, Repair and Overhaul (MRO) for commercial avionics and IFE equipment, and production for commercial avionics.

Avionics Production

We manufacture key systems for the Airbus A320, A330, A350 families and Boeing B787 fleets including flight control computers, displays and electrical systems – all supplied to customers globally from Singapore.

Avionics Services

Our Avionics suite (Topflight Flight Management System, Low Range Radio Altimeter, Satellite Communication, Traffic and Collision Avoidance Systems, Terrain Traffic Transponder Collision Avoidance System) is widely selected and trusted by carriers around the world. Notable selections in the region include the campaign of 234 A320 in 2015 by Lion Air and 304 A320 in 2017 by AirAsia.

Avionics and IFE Maintenance, Repair and Overhaul (MRO)

From Singapore, we provide a wide range of support and services in the regional civil aerospace market – from maintenance services and parts distribution to standard exchanges, access to spares pools, pre-owned equipment trading and full component availability packages.

In 2017, we expanded our Singapore avionics facility, consolidating all avionics production and MRO activities under one roof for better synergies and process optimisation. Annually, over 40,000 pieces of equipment are repaired locally, making Singapore Thales Group's largest centre for avionics maintenance and repair services worldwide.

In 2018, we were engaged by Airbus as a subcontractor for avionics components repair in Asia-Pacific, with all repairs being carried out locally.

In-flight Entertainment

We make connected IFE simple, seamless and secure, enabling best-in-class onboard experience for passengers of renowned airlines in the region including Singapore Airlines (SIA).

SIA selected our AVANT IFE system and Ka-band connectivity solution for its medium-haul A350 XWB fleet in 2016, and subsequently our FlytCARE maintenance services in 2018 where we service and support the IFE and connectivity systems through a turn-key maintenance programme in an agreement with SIAEC.

Since then, we have collaborated closely in areas of digital innovation.

In partnership with Airfree, we supported SIA's digital ambitions with the launch of the world's first onboard e-shopping experience via KrisShop in 2021. The solution provides comfortable luxury shopping experiences in the air and streamlined delivery processes for passenger convenience.

Our Commitment to Health, Safety and Environment

We have a committed Health, Safety and Environment management system that is based on a continuous improvement approach. This has led us to certify in accordance with ISO 14001 and ISO 45001.

THALES SINGAPORE (ISO & AVIATION STANDARD CERTIFICATION)	
ISO & AVIATION STANDARD CERTIFICATION	
ISO 9001:2015	ISO 9001 – 10354061
ISO 14001:2015	ISO 14001 - 10469723
ISO 45001:2018	ISO 45001 - 10469722
Aviation Authority	Approval Certificate Number
Thales Singapore (Part 145)	
CAAS	AWI/092
JCAB	JCAB TA-M acceptance letter
EASA	EASA.145.0148 (Euro France)
FAA	S7QY329N (USA)
CAAC	F06500270 (China)
CAAP	163-F (Philippines)
DGCA	145F/434 (Indonesia)
CAAT	145/2537 (Thailand)
CAAM	FAMO/2016/04 (Malaysia)
CAAN	AMO/VAL/169/2019 (Nepal)
CAAV	VN-386NN/CAAV (Civil Aviation Authority of Vietnam)
TCCA Canada	5015-15101 (Canada)
AS 9110 REV C	AS9110-10390413
Thales Singapore (Part 21)	
EASA	FR.21G.0012 (DGAC France)
AS 9100 REV D	AS9100-10390415
THALES AEROSPACE BEIJING	
ISO Certification	
ISO 14001:2015	ISO 14001 – 0065575, ISO 45001 – 0065576 certified by LRQA
ISO 45001:2018	
Aviation Authority	Approval Certificate Number
CAAC	D.101601 (China)
FAA	6TBY536B (USA)

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