

WE WORK WITH EPCS AND AIRPORT OPERATORS

We work closely with EPCs (Engineering, Procurement & Construction) and airport BOT (Build, Operate, Transfer) concessions to understand their priorities. Our solutions are flexible and customized. Our approach is to partner with our customers throughout the life cycle of the asset from preliminary design to after-sales support. We thrive in generating turnkey ATM solutions from standard configurations to complex projects.

THALES

www.thalesgroup.com

UNIQUE CAPABILITY TO INTEGRATE AIRSIDE ATM SYSTEMS

WORKING
UPSTREAM WITH
AIRPORT EPCs
AND OPERATORS

BRINGING GLOBAL
EXPERTISE

TRUSTED
PARTNER FOR
THE LONG-TERM

FROM CIVIL
WORKS
TO SYSTEM
INTEGRATION

EXPERIENCED,
CULTURALLY
ADAPTED
PROJECT
MANAGERS

SELECTING
SUITABLE
PRODUCTS

MANAGING
PARTNERS AND
SUPPLIERS

Turnkey solutions for airport Air Traffic Management capability



BUILDING TOMORROW'S AIR TRAFFIC MANAGEMENT SYSTEMS

SESAR, the Single European Sky ATM Research, aims at facing the future ATM challenges in Europe. SESAR targets at increasing capacity, improving safety, reducing environmental impact and lowering ATM costs. As leading industrial contributor to SESAR, Thales is actively participating in nearly 40 airport projects.

Bridging the Atlantic as a key technology partner to the FAA in NextGen, Thales is closely cooperating in building tomorrow's air traffic management systems. As an example, Thales is participating to the DTAP project bringing pre-departure clearance capability by Data-link to US airports. Our product strategy is aligned with SESAR and NextGen developments. We are committed to securing our customers' investments.



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THE TRUSTED WORLD LEADER IN ATM SOLUTIONS

From take-off to landing, we offer the most complete range of solutions to address all Communication, Navigation, Surveillance and Air Traffic Management (ATM) needs. Thales assures approach control at over 150 airports worldwide. And with over 7,000 nav aids and our Air Traffic Management (ATM) system controlling 40% of the world's surface, 2 out of every 3 aircraft in the world take off and land safely thanks to Thales.

... AND A TOP PLAYER FOR AIRPORTS



OUR PRESENCE ON SIX
CONTINENTS MATCHES OUR
WORLD LEADING POSITION

At Thales we understand airports. We've worked on airports large and small around the world, whether greenfield or brownfield, whether a major connecting hub or a small regional airport. As well as working with air navigation service providers, we work with airport builders including EPCs (Engineering, Procurement & Construction), airport operators, including BOT (Build, Operate, Transfer) consortia, airport engineering consultants and airport financial investors.

At Thales we know that airports are becoming an increasingly commercial and competitive business. ATM is an essential part of the overall airport ecosystem, ensuring the safety of air traffic. We are aware of priorities and design our ATM products and services to allow operators to focus on developing airports efficiently and profitably. Airports need flexible, reliable and robust systems that conform to each airport's unique requirements.

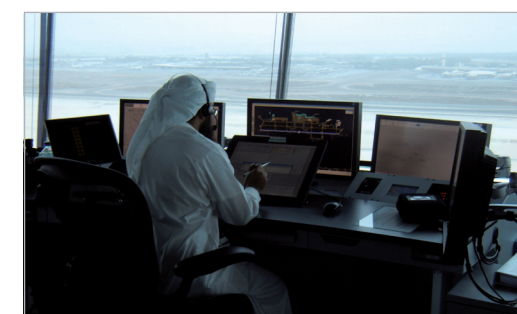
FULLY INTEGRATED SOLUTIONS AT AIRPORTS LARGE AND SMALL AROUND THE WORLD

Bangkok New Suvarnabhumi International Airport

An advanced, gate-to-gate solution installed in the world's tallest free standing control tower, this complete Airport Air Traffic Management System seamlessly links air and ground control at Bangkok's Suvarnabhumi Airport welcoming over 40 million passengers a year.

"Thales is providing AEROTHAI with the latest state-of-the-art technology equipment, which will enhance the safety and efficiency of Air Traffic Control Operations at Suvarnabhumi Airport ... the hub for air travel and aviation activities for the whole of South East Asia."

Srisakdi Wongsongarn, Executive Vice President AEROTHAI



Abu Dhabi International Airport

Composed of more than 20 different ATM/CNS systems, this complex turnkey solution will allow Abu Dhabi International Airport to triple its capacity and welcome the 20 million passengers expected in coming years.

"Our stunning new Air Traffic Control Tower, which is an integral part of this development programme, will be one of the most sophisticated, state-of-the-art facilities in the world, thanks to the systems from Thales"

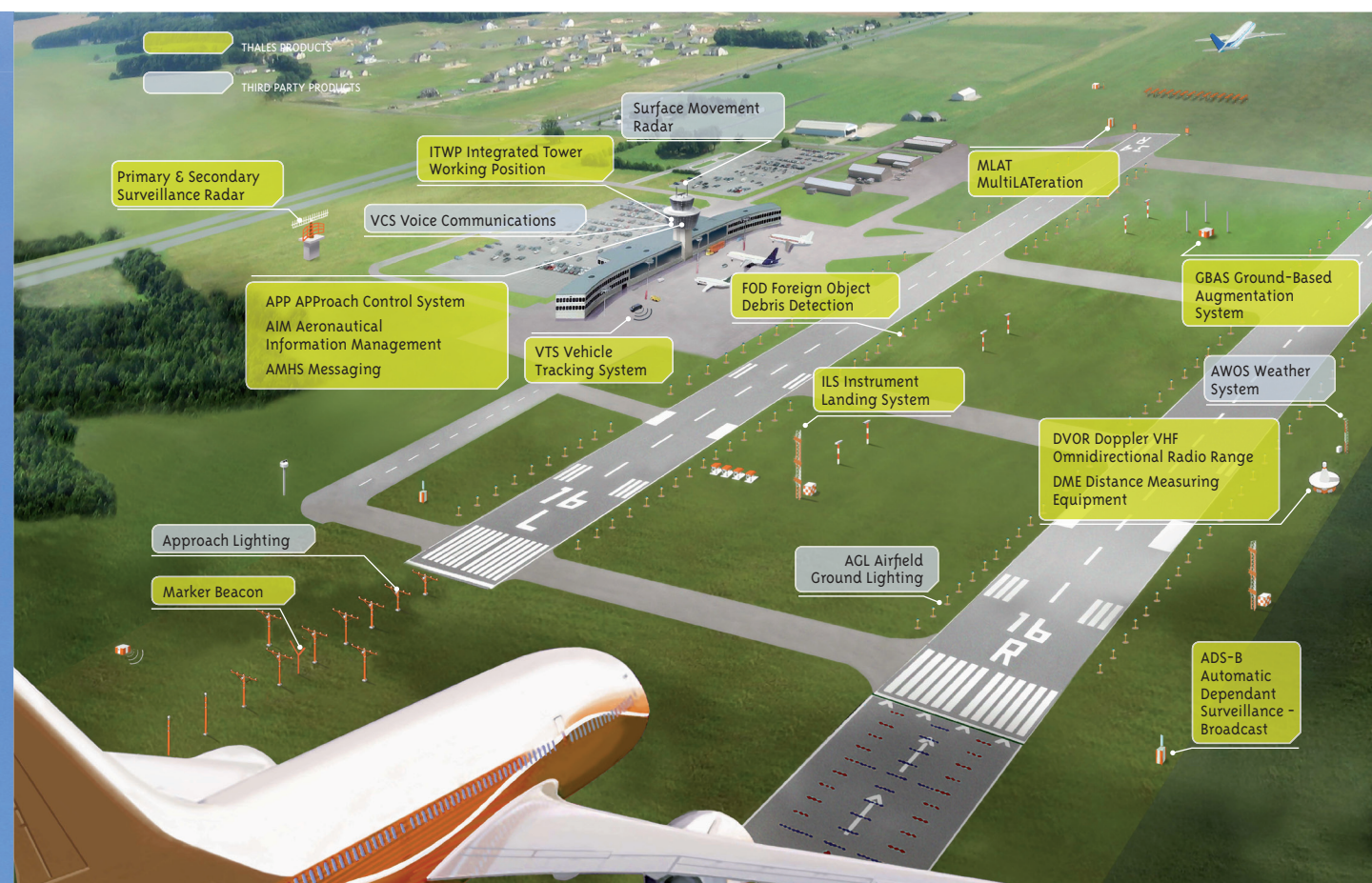
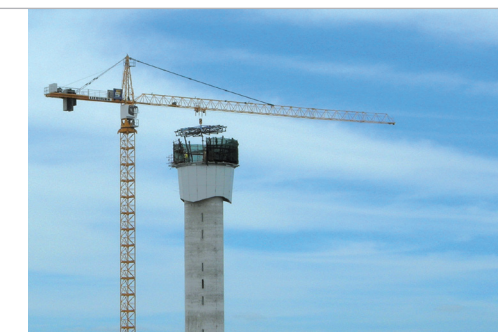
Ahmed Al Haddabi, ADAC Senior Vice President of Airport Operations

Swaziland Sikhuphe International Airport

From top level airport design through to system delivery and commissioning, Thales delivered in just 16 months a complete turnkey solution integrating all airside systems, transforming Swaziland's airstrip into an international airport.

"As part of development of a new airport on a Greenfield site, Thales were appointed to provide full Air Traffic Management services. Thales successfully delivered the full Air Traffic Management solution in the timescales agreed. Thales provided a professional and competent team to deliver the airport solution"

John O'Gorman, Project Director, Vector Management International Limited



UNIQUE ATM EXPERTISE AND FULL RANGE OF PRODUCTS FOR AIRPORTS

We develop a broad range of airport ATM products and integrate to provide solutions for civil contractors, EPCs and BOT consortiums which need to incorporate Airport/ATM facilities, but have limited technical resources.

- **AUTOMATION SYSTEM AND AIRPORT PRODUCTS** completed by third party products that reflect our position as industry leader in R&D
- **SURVEILLANCE SYSTEMS ON AND AROUND THE AIRPORT** as an optimized solution of Surveillance technologies where Thales has the unique capability to provide radar, multilateration and ADS-B solutions
- **COMPLETE TURNKEY INTEGRATION** of both our and third-party products into packaged solutions adapted to the unique need of each airport
- **A FULL RANGE OF SERVICE PACKAGES** from basic support such as repair & spares to extended services such as Service Level Agreements
- **FULL RESPONSIBILITY FOR ATM SYSTEM DELIVERY** allowing airport operators to focus on their core airport operations