



COMPANY PROFILE

SERVICE CATALOGUE

A THALES GROUP TRUSTED AND CERTIFIED SUPPLIER

THALES

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ABOUT US



JFC Ltd is an independent consulting and engineering company specializing in the survey, installation, commissioning, and training of air navigation systems for both civil and military aviation. Based in Italy, the company has successfully delivered projects in more than 50 countries worldwide, drawing on over 25 years of experience in the air navigation industry. Our team is composed of highly qualified engineers with diverse backgrounds, including civil and military aviation organizations, airport management, commercial ATC service providers, airlines, and the wider air navigation industry.

JFC engineers are certified by various manufacturers, enabling them to work with equipment ranging from legacy systems of the 1990s to today's most advanced technologies. The company's management team brings extensive expertise in both civilian and military air traffic control, with specialists in air traffic management, ATC communications, and ground-based navigational aids. This strong foundation allows us to provide clients with independent, unbiased evaluations that go beyond manufacturer-driven solutions, ensuring the best match between site criteria and system performance requirements.

Combining deep technical knowledge with proven project and field management capabilities, JFC delivers comprehensive, turn-key solutions tailored to each client's needs. From the initial concept stage to full operational implementation, our goal is to provide reliable, cost-effective, and innovative services that enhance the safety and efficiency of air navigation systems worldwide.

WELCOME MESSAGE



On behalf of JFC Ltd., I am proud to welcome you to our world of precision, safety, and innovation in air navigation services.

For years, JFC has been committed to delivering reliable, cutting-edge solutions for civil and military aviation, ensuring that air traffic operations are safe, efficient, and seamless. Our team of experienced engineers and specialists combines technical expertise with a passion for aviation excellence, providing end-to-end services from survey, installation, commissioning, to training.

At JFC, we believe in building lasting partnerships based on trust, integrity, and operational excellence. Every project we undertake is guided by our mission to enhance aviation safety and operational efficiency worldwide.

Thank you for your interest in JFC Ltd. We look forward to soaring to new heights together with our clients and partners, shaping the future of aviation navigation.



JOAO FELIX FERREIRA
Operation and Services Director

Our Services

We support our customers from the Survey until the Flight Check providing comprehensive assistance, offering guidance, and ensuring customer satisfaction by being responsive, knowledgeable, and empathetic throughout from the entire lifecycle of a project providing: Sitting and requirements studies and Surveys for Radars, ATC communication systems, ATC weather systems, ground-based radio navigation aids such ILS, VOR, TACAN, DME, NDB, MARKER and RMMC. We provide Installation and commissioning of ground-based navigation systems including Nav aids ILS, VOR, DME, TACAN and RMMC. We are also certified to provide a series of Training on Ground-based Navigation Systems including: ILS, VOR, TACAN, DME, NDB, MARKER and RMMC. Some of our trainings:



Nav aids System Introduction
Principles Training



Nav aids System Operators
Team Training



Nav aids System Maintenance
Team Training



Nav aids Train the Trainer



Nav aids Installation and
Commissioning Training

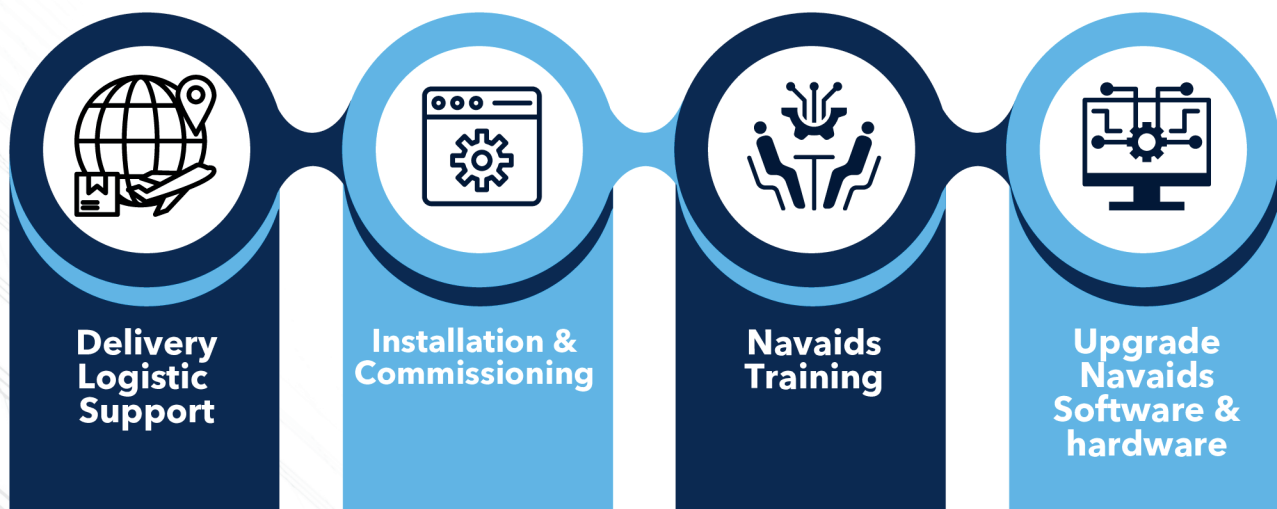


Nav aids System Refresh Training

System Maintenance and Support

JFC provides a wide range of maintenance and support specialist services to end users both on systems installed by JFC as well as existing systems to maintain and support their continuous operations offering the following:

Scheduled maintenance activities such as periodic maintenance interventions, periodic flight checks, and planned upgrades of hardware and software. Fault diagnostics and repair Technical and operational help in times of high demand for an operational facility. Logistics support system development and implementation



Installation and Commissioning

Together from the Survey until the Flight Check...

Planning & Site Survey:

Site Selection secure approval for the location of the NAVAID from the appropriate authorities.

Needs Assessment:

Determine the specific performance requirements and ensure the selected equipment meets these needs.

Equipment Selection & Testing Approval:

Ensure the equipment has received approval/Adherence to regulations and guidelines from bodies like the International Civil Aviation Organization (ICAO) and national authorities (e.g., the FAA).

Factory Acceptance Testing (FAT):

Conduct tests at the manufacturer's facility to verify the equipment meets specifications before it's shipped.

Installation:

Site Preparation:

Prepare the location according to the design, including any necessary infrastructure such as shelters or power supplies. Mechanical & Electrical Setup: Physically install the NAVAID equipment, connecting all necessary electrical components and systems.

Integration:

Ensure the new NAVAID is properly integrated with any existing navigation, communication, and surveillance (CNS) systems at the site.

Commissioning:

Initial Testing:

Perform on-site testing to confirm proper installation and operation. Performance Assessment: Evaluate the system's performance against design specifications and safety standards, including signal strength and course quality.

Flight Inspection:

A specialized flight inspection will be required to verify the system's coverage, accuracy, and freedom from interference in its operating environment.

Inspection & Approval:

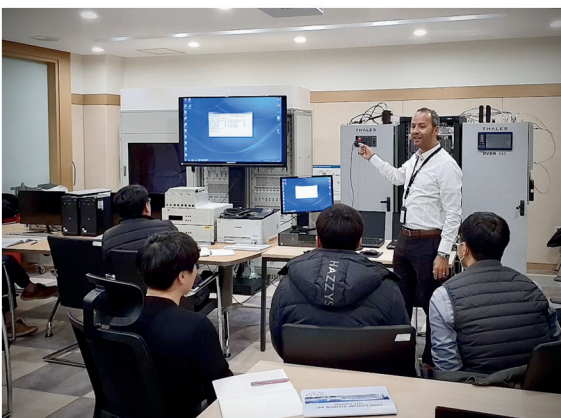
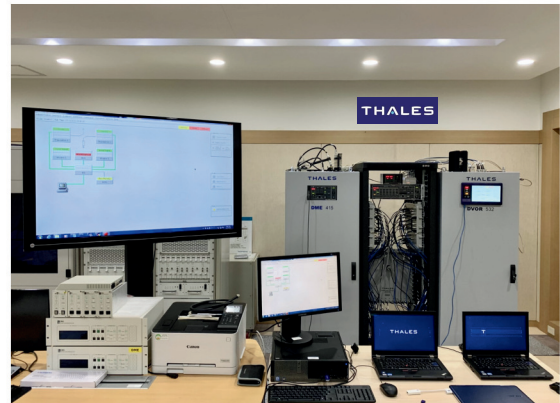
A commissioning inspection by the local regulating authority's technicians to ensure the system passes its final review.

On the Job Training:

A hands-on method where ATSEP learn new skills and knowledge by performing their actual job duties within the workplace with guidance from experienced trainers.

NAVAIDS Training

Nav aids training prepares professionals in aviation industries to operate, maintain, and inspect navigation systems, focusing on technologies like Electronic Chart Display and Information Systems (ECDIS), Air Traffic Control (ATC) systems, Instrument Landing Systems (ILS), Very High Frequency Omni-directional Ranges (VOR), and DME (Distance Measuring Equipment). Training can be simulator-based, on factory or on-site, with courses offered by certified Nav aids experts respecting global standards developed by the International Civil Aviation Organization (ICAO).



SOME OF OUR CLIENTS

THALES


TM
TELEKOM MALAYSIA

 **SENEAM**
SERVICIOS A LA NAVEGACIÓN EN EL
ESPACIO AÉREO MEXICANO

 **ENAV**

 **AVINOR**



Ghana Civil Aviation Authority
Safety and security, Our priority


BULATSA
BULGARIAN AIR TRAFFIC SERVICES AUTHORITY

 **HungaroControl**
Hungarian Air Navigation Services

 **IDAC**
INSTITUTO DOMINICANO DE AVIACION CIVIL


KAC
KOREA AIRPORTS CORPORATION


CAA
هيئة الطيران المدني
CIVIL AVIATION AUTHORITY

 **NAV**
NAV Portugal, E.P.E.

 **romatsa**
romanian air traffic services administration

NAV
CANADA


ASECNA

Get In Touch

Connect with us to explore solutions, request a consultation, or partner for success. Our dedicated team is ready to provide expert guidance and support tailored to your needs.



Contact Us :



+39 329 2023152



Via Monte Santo 86 Milano Italy 20092



info@jfconsulting.eu



www.jfconsulting.eu