







Aeronav Inc. SNMC/27th – Accra (Ghana) November 2019











Aeronav is both an integrator and manufacturer of CNS/ATM solutions for the global aviation industry.







Aeronav's history extends almost 50 years into the past with an unwavering focus on the global aviation industry that endures to today and guides the way for our future.

UTS is established in Montreal specializing in Mobile ATC Solutions including Mobile Tower, NDB, CVOR, etc.



LNS Systems is established in Montreal specializing in prefabricated ATC towers both Mobile and Fixed.

Early

1970s



Navigation Aeronav International (NAI) is established in Montreal providing technical services such as engineering, systems integration, installation, training, and more for aeronautical projects around the world.

1987



NAI acquires the Navaids technology of Marconi-Philips and begins manufacturing ILS, DME & DVOR in the factory in Montreal.



1991



NAI acquires 100% of the shares of UTS and continues to operate the company as an independent entity in Montreal specializing in Mobile ATC Solutions.

2001



We auide the way

NAI acquires the assets of LNS and establishes LNS International to continue the manufacturing of pre-fabricated Fixed ATC Towers.











Privately-owned Canadian Corporation

• Shareholders are top-management

Headquarters in Montreal

- 3000 m² manufacturing facility
- Home of ICAO, IATA, & ACI
- Near to PET Airport (YUL)

ISO 9001:2015 Certified

- International presence
 - Paris, France

Today

- Dakar, Senegal
- Kinshasa, DR Congo
- Global network of suppliers and partners







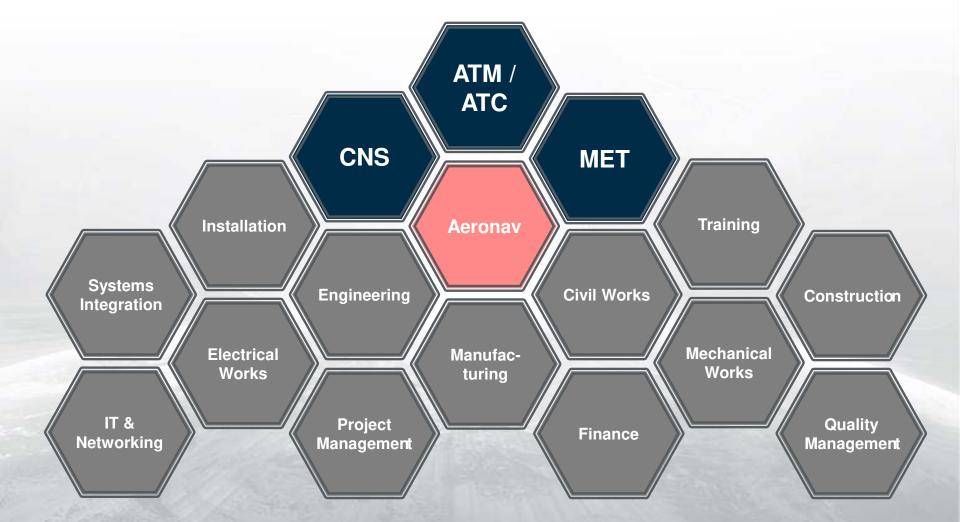
Aeronav Inc. is formed by the merger of NAI, UTS & LNS into a single entity, thereby consolidating the capabilities of all three companies. Aeronav immediately becomes a world leader in the provision of turnkey ATC solutions & services.

2008



Core Competencies





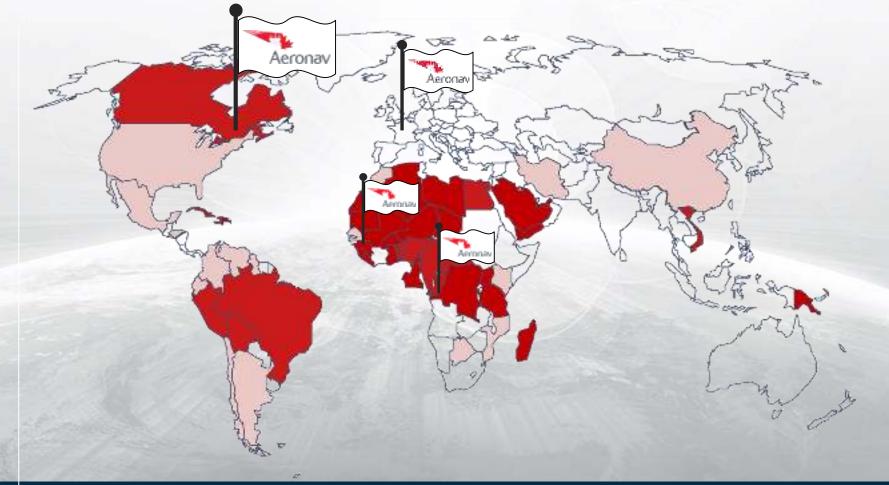
Aeronav's aviation expertise is supported by a foundation of core competencies.



Experience



Aeronav has successfully completed projects with customers in more than 75 Countries all around the world.



















South America

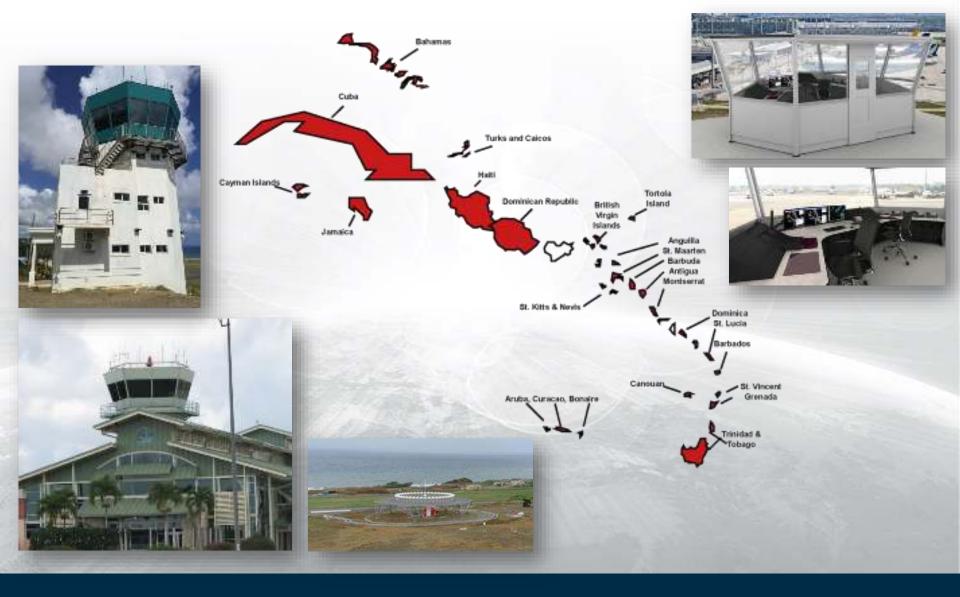






Caribbean

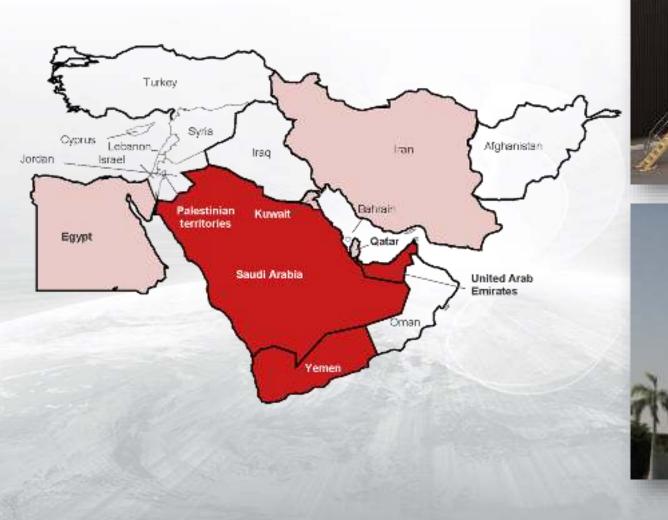






Middle-East











Solutions

VHF/UHF/HF VCCS/PABX Recording Systems ATM/AMHS/AFTN/ATIS Master Clock PSR/MSSR/ADS-B/MLAT Met Systems VSAT Networks Microwave RCMS Consoles

Mobile ATO Solutions

Mobile ATC Tower Transportable ATC Tower Mobile CVOR Transportable ILS Portable AGL De-icing Facility

Pre-fabricated VCRs

ATC Tower Apron Control Ground Control Tower Modernization

Power Supply

Power Generation Transformer Stations UPS Solar Power Farms

Navaids

ILS CAT I,II,III DVOR/CVOR Counterpoise DME Mobile CVOR/DME NDB DF TACAN Shelters

Airfield Lighting

AGL Design AGL Installation Control Systems Portable AGL



Integrated ATC Solutions





Aeronav delivers turnkey solutions of fully integrated ATC equipment of the highest quality and durability.



VHF/UHF/HF VCCS/PABX **Recording Systems** ATM AMHS/AFTN ATIS Master Clock PSR/MSSR ADS-B/MLAT **Met Systems VSAT** Networks Microwave RCMS Consoles Shelters and more...



Mobile ATC Solutions



ANT-26 MTT HL ANT-57 MTT HL ANT-57 VTT HL TCT-140



1-2 Positions Trailer Mounted High-Lift



2-4 Positions Trailer Mounted High-Lift



2-4 Positions Vehicle Mounted High-Lift



2-4 Positions Mounted on Containers or Existing Structure

Containers can be outfitted as equipment rooms, boardrooms, sleeping quarters, etc.

Cabin is 100% Aluminum Construction Entirely self-contained and autonomous system including ATC/MET and power equipment 65 deployed mobile towers in 20 countries

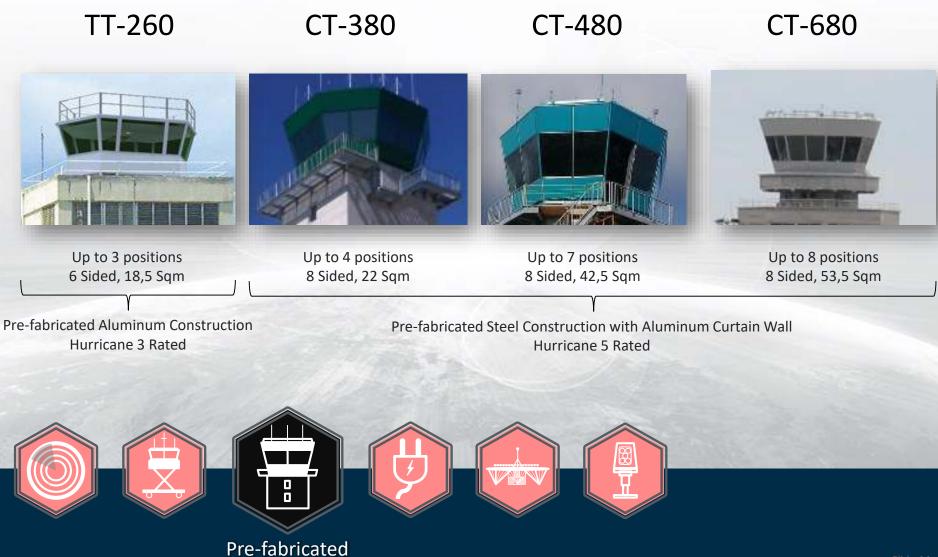


Mobile ATC Solutions



We guide the way





VCRs



Power Supply



Power Generation & Distribution



Transformer Stations

Solar Farms





Aeronav provides turnkey power solutions including electrical and mechanical design, factory integration and testing, definition and supervision of civil works, on-site installation & commissioning, training and after sales support.





Navaids



Aeronav has extensive experience in the turnkey provision of all types of Navigational Aids from all manufacturers



Aeronav no longer manufacturers the Philips/Marconi brands of Navaids, but still provides on-site support, factory repairs, maintenance and retrofit kits.





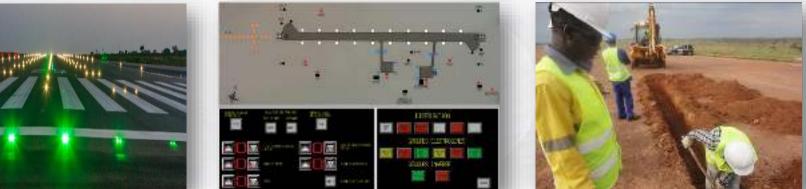
Airfield Lighting

AGL Design

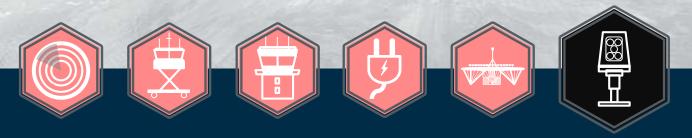
AGL Control & Monitoring

Installation

We guide the way



Aeronav provides turnkey AGL solutions for ICAO Category I, II & III Airports





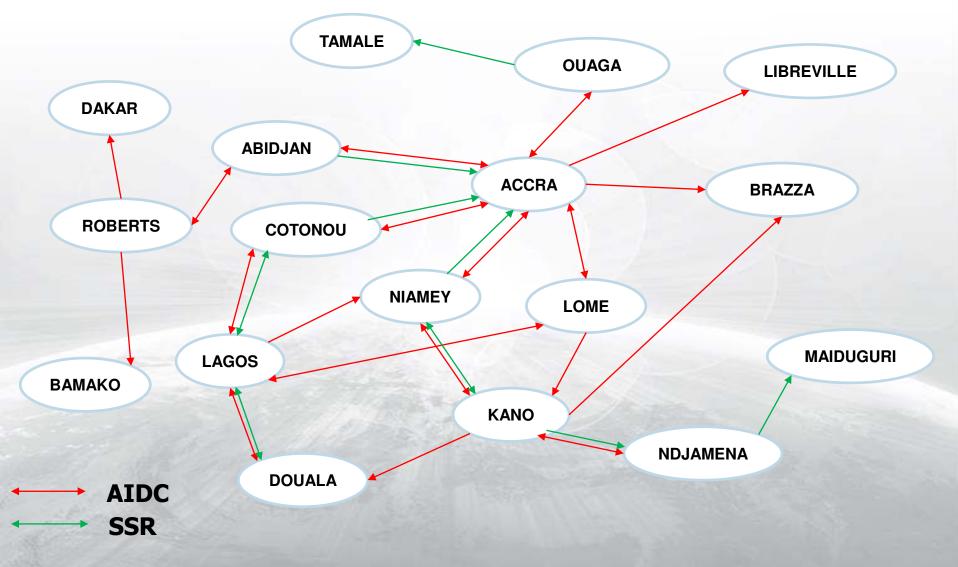


Satellite & Telecom Projects

- Recent implementations include in the AFI zone:
 - DR Congo VSAT network
 - SADC/NAFISAT AFISNET Interoperability and Upgrade of CAFSAT stations
 - As part of the AFISNET network
 - Upgrades or migrations of VSAT sites (Bobo, Nouadhibou, Lomé, Parakou, etc)
 - ADS-B subnetwork Phase 1
 - Sharing of Surveillance Data (AIDC/SSR) for the interconnexion of :
 - 2 sites in Ghana (Accra, Tamale)
 - 3 sites in Nigeria (Kano, Lagos, Maiduguri)
 - □ 1 site in Roberts FIR (Roberts)
 - □ 11 ASECNA sites
 - Training to be performed in Niamey (EAMAC)- Q1/2020
 - Assistance and support from Aeronav during implementation phase











DR CONGO VSAT RVA Network

□18 Stations since 2006

- 2 Additional stations will be completed in 2020 (Kikwit and Kananga)
- POLARSAT II+ Technology: TDMA and HubLess
- Future On going projects : Migration towards IP technology :
 - First step : duplication of Kinshasa-Lubumbashi-Kisangani Triangle.
 - Second step : provision of new stations (densification) and migration of existing ones







Services

- Air To Ground VHF Radio Communication using (Park Air Systems Equipements)
- Ground to Ground ATS/DS between Airports and CCR : using different VCS Solutions (Denro, Harris, MEP)
- AFTN/AMHS : integration of IDS (Ubitech) equipment then replacement by Thales equipment
- ADS B : Integration of Thales Sensors (2015-2019)
- Interconnexion of Three Thales Topsky systems located on ACCs (Kinshasa-Lubumbashi-Kisangani)













Aeronav participates to Maintain and Improve the Safety of Air Navigation











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Slide 23