



TopSky – ATC

Activities in the CAR/SAM Region

Govind VEKARIA
Design Authority/Safety Manager

09-11 March 2021



Govind VEKARIA

Thales Specialist (in the field of Air Traffic Controller display systems)

TopSky-ATC Design Authority & Safety Manager

Over 27 years of experience of working in ATC environments covering various roles and sub-domains of ATC. For the majority of this time, I have worked as a consultant to supplier companies, ANSPs and even at Eurocontrol HQ.

My work has allowed daily collaboration with many ATCOs around the world across all duties. This has provided me with the ability to translate Operational needs into functional system requirements for Engineering purposes.

Joining Thales in 2012 has allowed to me to continue playing a customer (and Authorities [ICAO]) facing technical role.



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Aruba
Bolivia
Chile
Colombia
Dominican Republic
Jamaica
Mexico
Panama
Sint Maarten
St. Barthélemy



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Aruba

- Initially installed in 2012 (FDP only)
- FPL2012 compliant
- Installed AHMS & WAM in 2016
- EFS Upgrade SAT Sep 2019
- Transition to EFS Upgrade planned **Summer 2021**

Bolivia

- Operational APP systems since April 2019
 - Ela Alto (La Paz)
 - Santa Cruz
 - Cochabamba (APP)
- SAT of APP system
 - Trinidad – August 2019
- Other SATs
 - Simulator (Cochabamba) – October 2019
 - Cegata (Cochabamba ACC) – Nov 2019



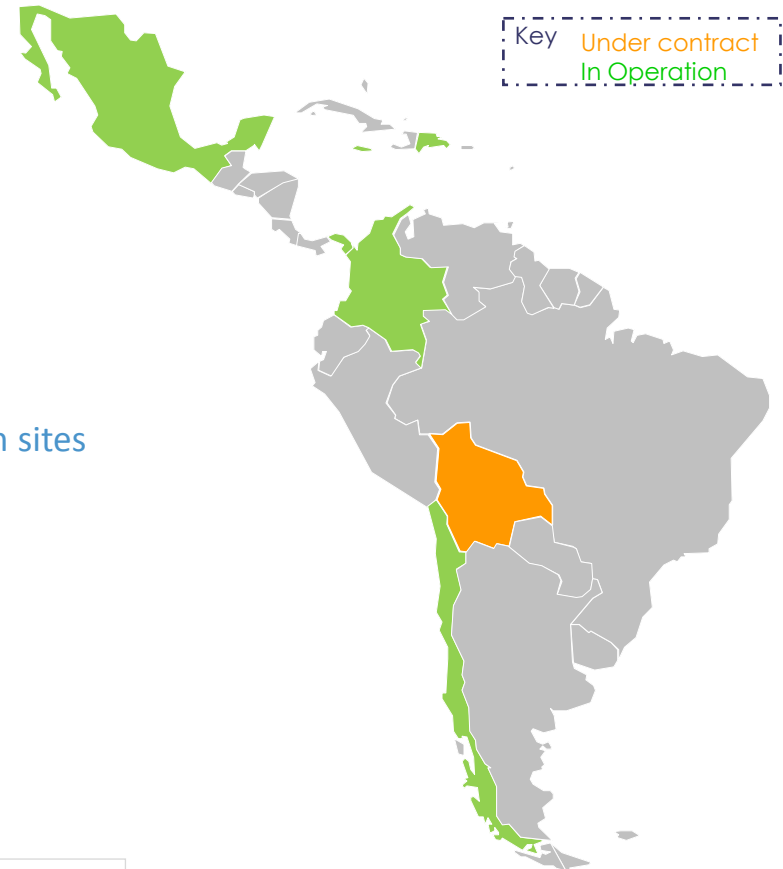
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Chile

- Initially installed in 1998 at:
 - Punta Arenas
 - Puerto Montt
 - Iquique
 - Antofagasta
- Santiago and SIMCAT commissioned in 1999
- Santiago upgraded in 2009
- Proprietary OLDI (based on v2.1) – only used between sites
- Now, Thales installation only at Santiago
- Updated 2013
- FPL2012 compliant
- **Oceanic APAC AIDC upgrade planned end 2021**

Colombia - San Andres

- Installed in 2012



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Dominican Republic

- Las Americas 1st commissioned 1993
- Upgraded in 2003
- Punta Cana 1st commissioned 2005
- Las Americas and Punta Cana upgraded in 2014/15
- FPL2012 compliant
- **NAM Class 1 – December 2019**
- **NAM Class 2 testing successful**
- **Site visit planned April 2021**



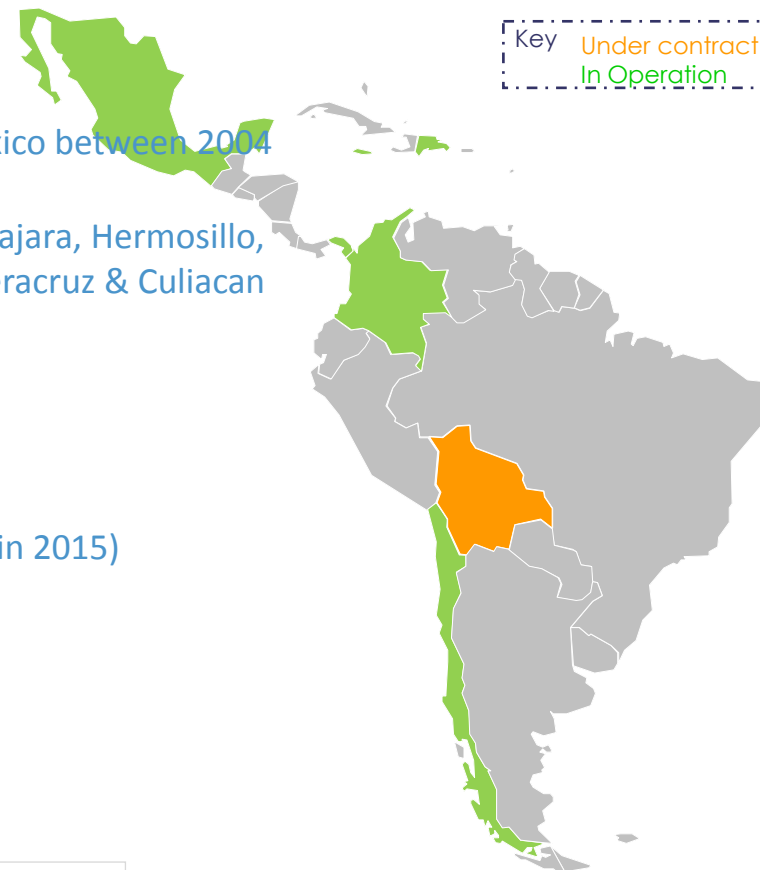
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Mexico

- ACC initially commissioned between 1994 & 1996
- ACCs upgraded Merida, Monterey, Mazatlán and Mexico between 2004 to 2008
- APP in Acapulco, Cancún, Chihuahua, El Bajío, Guadalajara, Hermosillo, Puerto Vallarta, San José del Cabo, Tijuana, Toluca, Veracruz & Culiacan
- Ongoing modernization for Mérida FIR

Panama

- ACC at Albrook initially installed in 2013
- FPL2012 compliant
- Updated in Jul 2017 (following AIDC specific site visit in 2015)
- APAC AIDC tests with
 - Bogota (Indra Aircon 2100)
 - Barranquilla (Indra Aircon 2100)
 - Cenamer (Indra Aircon 2100)
 - Jamaica (Thales)
- Site Visit Nov 2019 & Feb 2020 – **reduced DUPERs**



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Sint Maarten

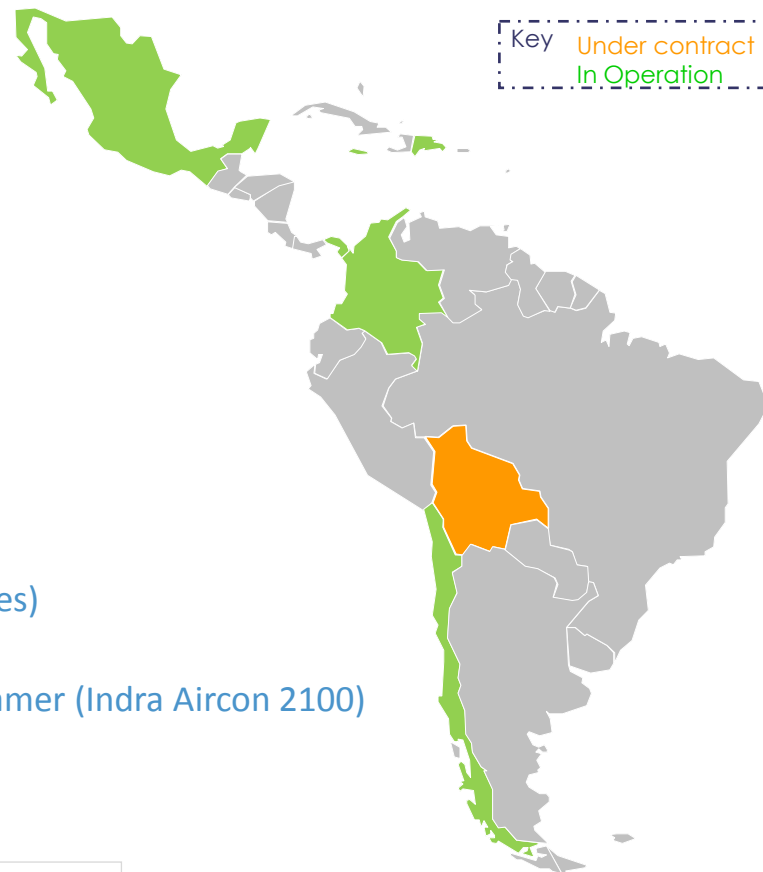
- Temporary system installed in Oct 2017 (FDP only)
- FPL2012 compliant
- ATC system installed November 2018

St Barthélemy

- Tower modernisation, SAT June 2021

Jamaica

- Installed in 2017
- FPL2012 compliant
- APAC AIDC tests with:
 - Barranquilla (Indra Aircon 2100) & Panama (Thales)
- NAM AIDC tests with:
 - Cuba (RADCOM – in house development) & Cenamer (Indra Aircon 2100)
- Support for ADS-C/CPDLC
- Updated test platform to allow AIDC testing
- Site visit May 2021



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Thank You !

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