

## ATS AIRCOM

### DIGITAL COMMUNICATIONS GUIDING AIRCRAFT DURING ALL FLIGHT PHASES

SITA's ATS AIRCOM portfolio enables air navigation service providers (ANSPs) to transmit air traffic control air to ground information and instructions over datalink instead of legacy voice radio communication. This improves safety by removing any potential misunderstanding in pilot to controller communications.

#### ISSUES

##### **Improve Safety and Efficiency**

Includes excessive controller and pilot workload, misunderstandings, transcription errors, non-standard phraseology, and frequency congestion.

**Empowering ANSPs** - ANSPs need to meet industry rules and timelines and want to implement their own ATC datalink applications and services.

**Capacity Issues** - at peak times in some Area Control Centers or some control towers, ANSPs are sometimes confronted with capacity issues.

#### SOLUTION

SITA's portfolio enables ANSPs to transmit air traffic control (ATC) information and instructions over digital datalink instead of legacy voice radio communication.

SITA provides the datalink infrastructure components to ANSPs to deploy, connect to its network, operate and maintain the VHF datalink infrastructure.

SITA's ATS AIRCOM solutions enable ANSPs to increase air traffic control capacity while also improving safety.

#### BENEFITS

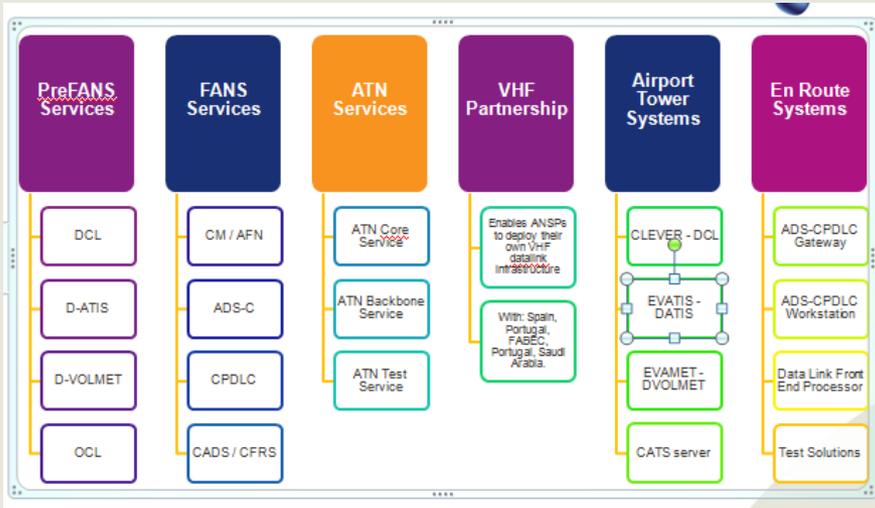
- Increases ATC overall efficiency and safety.
- Removes risk of confusion between pilots and controllers by replacing voice communication with datalink.
- Enables ANSPs to quickly achieve operational benefits
- Fully compliant with relevant industry standards
- SITA-provided datalink infrastructure for ANSPs used for both ATC and SITA airline customers' communications.

# 31%

the increase airlines expect in passenger travel by 2017

## HOW DOES IT WORK

### ATS AIRCOM PORTFOLIO



### SOLUTION COMPONENTS

- 1. AIRCOM ATN Services** – provide real-time data exchange with aircraft flight crew and ground ATN centers that comply with standards defined by ICAO
- 2. ATS AIRCOM FANS 1/A** – enables air navigation service providers (ANSPs) that provide FANS-1/A service(s) to communicate with participating aircraft.
- 3. ATS AIRCOM Pre-FANS** - enable air navigation service providers (ANSPs) who deliver Pre-FANS service(s) to communicate with participating aircraft.
- 4. ATS AIRCOM Systems** – provide turnkey tower and en route systems that enable ANSPs to provide several benefits, for example reducing flight times and delays, resulting in reduced costs to the aircraft operator and reducing risk of misunderstanding thus enhancing safety.

For more information please contact us at [info@sita.aero](mailto:info@sita.aero)