



**ubitech**  
**InfoStore**  
Dynamic AIS Database

[www.ubitech.com](http://www.ubitech.com)

**+ SIMPLY POWERFUL**

**Ubitech InfoStore** sets the standard for AIS data management. We've integrated our NOTAM, OPMET, and FPL/RPL databases with a Static Database to create a single powerful solution for the modern AIS office.

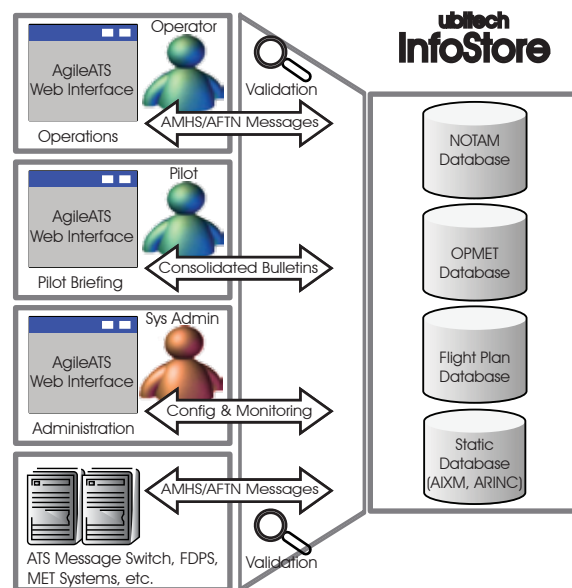
**InfoStore** manages the following ATS message types:

- NOTAM, SNOWTAM, ASHTAM, BIRDTAM, ICAO 5-digit, & 'Z' series
- METAR, TAF, SIGMET, AIR Report, GAMET, AIRMET, ARFOR, SPECI, & SYNOPS
- FPL, RPL, CHG, DLA, CNL, ARR, & DEP

**+ SIMPLY FLEXIBLE**

**Ubitech InfoStore** delivers maximum flexibility to ensure that it can adapt to any operational environment:

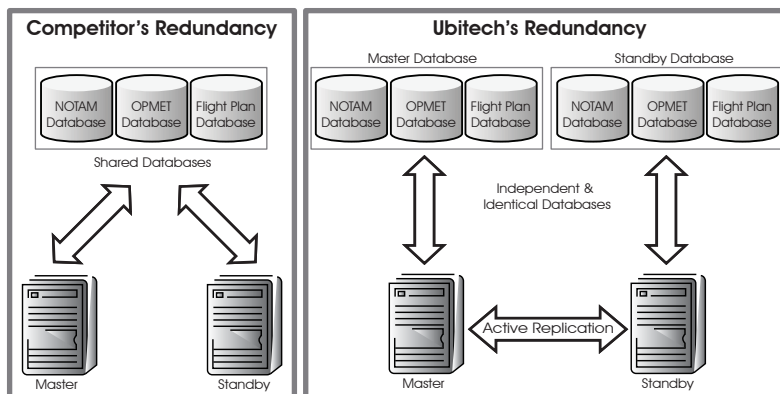
- Not all of the databases need to be installed, the system is configurable for any number or combination of the databases.
- Can be deployed using Centralized or Distributed architecture based on the operational environment.
- User configuration allows for quick tailoring the databases for customer-specific requirements.
- Web-based interfaces are platform independent, secure, and provide both local and remote accessibility to the system.
- Information is dynamically shared in real time with other aeronautical systems provided by Ubitech or other vendors.
- Intercepts AMHS/AFTN messages from the message switch including 3rd-party AMHS/AFTN systems



**+ SIMPLY RELIABLE**

**Ubitech InfoStore** is superior to our competitors products in reliability because of exclusive techniques developed by Ubitech.

- No single-point of failure within the system.
- The Master and Standby servers each maintain separate and identical databases instead of sharing one database which allows for load sharing.
- Active Replication seamlessly duplicates all data and processes between the Master and Standby servers.



# + DATABASE FUNCTIONALITY

## NOTAM DATABASE

- Serves as a repository of all domestic and international NOTAMs.
- Automatically incorporates updates to NOTAMs already housed in the database.
- Performs semantic validation on all NOTAMs using the Static AIS database.
- Builds NOTAM Checklists.
- Supports NOTAM, SNOWTAM, ASHTAM, BIRDTAM, ICAO 5-digit, & 'Z' series messages.

## OPMET DATABASE

- Serves as a repository of all OPMET messages.
- Generates bulletins of consolidated MET information.
- Supports METAR, TAF, SIGMET, AIR Report, GAMET, AIRMET, ARFOR, SPECI, & SYNOPSIS messages.
- Supports GRIB data

## FPL/RPL DATABASE

- Serves as a repository of all registered Repetitive and Daily flight plans.
- Automatically incorporates updates to flight plans already housed in the database.
- Manages RPL schedules and automatically transmits FPL messages according to the RPL schedule.
- Supports FPL, RPL, ACP, ARR, CDN, CNL, DEP, DLA, EST, RQS, & SPL messages.
- Supports Flight Strip Management Systems and printing of Flight Strips

## STATIC DATABASE

- Manages a complete set of Static AIS data
- Provides a validation source for the dynamic data
- Calculates narrow route bulletins
- Import/Export facility for AIXM and ARINC-424 data sets

# + AgileATS INTERFACE

Users interact with **InfoStore** by using Ubitech's ground-breaking HMI platform called the AgileATS User Agent. Through this web-based interface the user can perform the following:

- Creation, reception, & registration of NOTAM, OPMET, and FPL/RPL messages
- Management of static AIS data
- Powerful database queries
- Generation of Pre-Flight Information Bulletins (PIBs)
- Database reporting
- User management
- System configuration, monitoring, & diagnostics

The AgileATS User Agent strategically employs AJAX (Asynchronous JavaScript and XML) techniques to enrich its web interfaces by providing all the benefits of traditional windows-based clients without the deployment and maintenance overheads typically attributed to these platforms.

- Unlimited user expandability
- Centralized point of management
- No proprietary 3rd-party dependencies
- Works with any web-browser under any operating system
- Familiar, intuitive, easy-to-use interface

# + PIB INTERFACE

**InfoStore** and AgileATS combine to provide a simple solution through which pilots can generate their own PIBs of consolidated NOTAM & OPMET information. The PIB forms in AgileATS query the **InfoStore** database to return the NOTAM & OPMET information based on the user-driven query parameters.

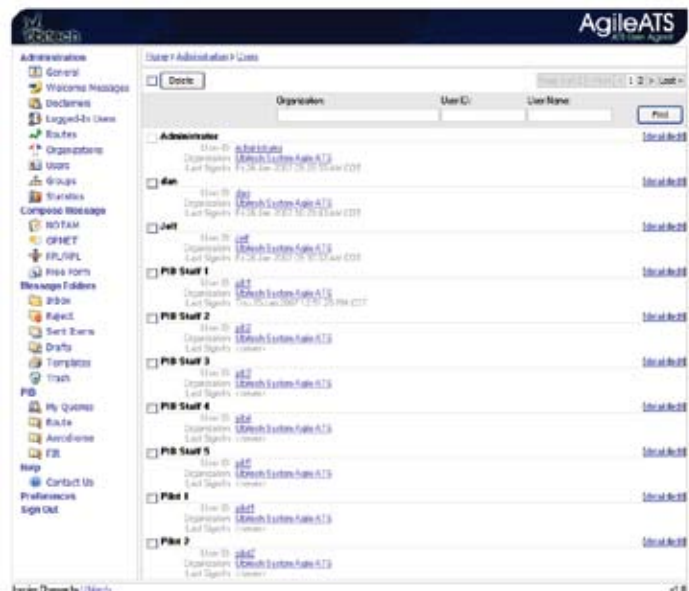
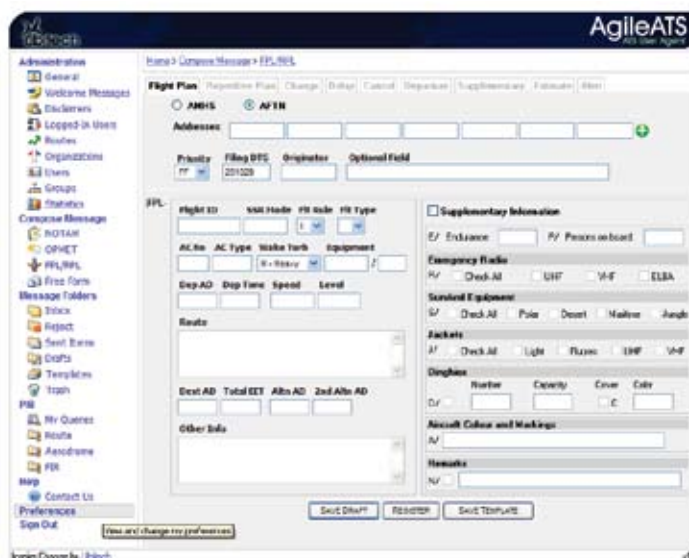
- Ad-hoc PIBs
  - One or more selected aerodromes
  - One or more selected FIRs
- Route PIBs
  - Pre-configured Route
  - Registered flight plans
  - Flight plans ready to be registered
  - Narrow route (requires static AIS database)
- Provides a web-portal to an eAIP if available

# ubitech InfoStore Dynamic AIS Database

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Message template for FPL message



Administration screen for User Management



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