



# Tower Information Management System

## TIMS

### Tower Automation

The Avitech Tower Information Management System (**TIMS**) product has been designed to provide a customized solution for the presentation of airport and support information needed by airfield tower and approach controllers. The **TIMS** integrated operational environment has been created using the latest object orientated software and middleware to provide easy, selective, single click or touch access to all available tower data by all authorized personnel. The system is configurable to the existing working environment.

**TIMS** can be introduced seamlessly into existing towers environments using its open architecture structure and easily customizable user interface. **TIMS** is a third generation product developed from GAIS and IDVS in use with the German CAA. It is the result of Avitech's proven 15 years experience in tower systems to meet real operational requirements and is compliant with ICAO Annex 3, 10, 11, 13 & 15 – Doc 1730 and 8400.

### Features

**TIMS** provides the following integrated and shared display functionality for the total tower environment:

- Real time airport weather and status information
- Automatic Terminal Information Service (ATIS)
- Weather Messages and Charts (METAR, TAF, etc). Support information (maps, procedure information, documents etc)
- CCTV airfield monitoring display and control
- Multi tower and airfield coordination management
- Notam display, generation and processing

- Configurable multiple screen HMI display (dual, quad, tape strips etc)
- Flight Plan and Stand Management Information
- Airfield Lighting monitoring and control
- Surface Movement and Flight Data Radar displays
- etc

**TIMS** enables the maximum use of available tower space with easy information access for all users.

### References

#### German CAA (DFS GmbH)

Total 300 Working Positions at 16 locations & 8 airports

- Nuernberg Airport
- Hannover Airport
- Leipzig Airport
- Stuttgart Airport
- Bremen Airport
- Muenster/Osnabrueck Airport
- Frankfurt Airport

#### CAAC China NATMB

- Beijing Capital Airport – 15 pos.

### Real time airport weather and status information

**TIMS** receives, processes and displays local airport weather data separately for take-off and landing directions and for all-weather operations. The presentation of data includes:

- Layout of the runway(s)
- Wind direction – speed, surface head and cross wind data
- Braking actions
- Runway(s) in use, status of runway(s)
- Approach category(ies) available
- Location of transmissometers and



