ANOMS
AIRPORT NOISE & OPERATIONS MANAGEMENT SYSTEM

ANOMS has proven itself as the best solution to help airports manage their environmental capacity; from small regional airports to the largest international hubs.

Airports choose ANOMS because
• it is simple and cost-effective to use for small airports
• it has the most advanced capabilities for the world’s most sophisticated noise programs
• it streamlines the operation of the noise office
• it grows to meet your needs through optional advanced features and modules
• the airport can own and operate or Brüel & Kjær EMS can do it all for them with NoiseOffice managed services
• it’s produced by the world’s leading supplier of airport noise management systems with the assurance that we will be there for you into the future whilst others come and go.

HUNDREDS OF AIRPORTS, 5 CONTINENTS, 20 YEARS, MILLIONS OF DOLLARS A YEAR IN R&D - ANOMS WORKS FOR YOUR AIRPORT.

www.bksv.com/ANOMS
ANOMS fuses data from a wide range of sources to create a comprehensive view of airport operations and their environmental impact.

ANOMS supports the widest range of data sources; from environment monitoring units that collect noise and weather data, to SkyTrak passive radars for live flight information plus an extensive range of 3rd party data sources including radar and flight plan systems, NMTs, AODBs, AWOS, Metar and ATIS.

The ANOMS desktop is highly configurable to meet the specialized business needs of users throughout the airport. The power of ANOMS is augmented by specialized applications including iVIEW for public presentations and Scenario Builder for noise modeling. The WebTrak subscription module provides the ideal tool for community outreach.

The NoiseOffice managed services complete the suite, providing tailored service solutions ranging from simple maintenance programs right up to fully hosted and managed systems with business processes delivery.

BUILDING NEIGHBORHOOD RELATIONS
WebTrak Internet noise and tracks, WebTrak Internet self service complaint entry and investigation, and easy to produce and understand reports provide a wealth of information for the community while needing little effort from staff.

BUILDING AIRCRAFT OPERATOR RELATIONS
New flight and noise rules management measures aircraft operator performance. WebTrak FlyQuiet provides a dialog with aircraft operators to share and promote operational excellence.

BEST WAYS TO HANDLE COMPLAINTS
ANOMS produces accurate answers to complex queries about the noise environment, providing logical and reasonable answers for concerned citizens and other stakeholders.

AIRPORT MANAGEMENT INFORMATION
Information in ANOMS is useful throughout the airport and ANOMS makes it easy to distribute relevant information within the organization.

GOVERNMENT AND REGULATORY REQUIREMENTS
ANOMS has been certified by Governments, Microsoft, and testing laboratories to meet and exceed many standards.

OPERATIONAL EFFICIENCY
Easy to learn and use, a trademark of ANOMS, is even better with automation of routine analysis and reporting through user configured workspaces and queries. Highly visual and intuitive, and integrated with Microsoft Office, ANOMS becomes part of the standard desktop.

SERVICE
While ANOMS is monitoring your airport environment, Brüel & Kjær Service is monitoring ANOMS, using custom processes to measure data quality, issuing alerts and repairing faults; achieving high reliability, data completeness and credibility.

OPERATION
The Brüel & Kjær NoiseOffice manages and operates ANOMS environment monitoring for some of the biggest and busiest airports in the world, including the three BAA London airports.

AIR QUALITY AND EMISSIONS MANAGEMENT
As airport needs in air quality grow, Brüel & Kjær responds with integrated air quality monitoring and emissions handling within ANOMS.

NOISE AND EMISSIONS MODELING
Contour generation for historical data and for the future
ANOMS FEATURES

- Sensors:
  - Noise and environment monitoring terminals
  - Real time or delayed radar and flight plan data feeds
  - Metar weather
  - NOTAM
  - D-ATIS
  - Air Quality

- 2-D and 3-D mapping
- Raster images; auto-load by zoom level
- Vector layers (roads, water, geographic features)
- Standard GIS input and output formats
- User configurable and saved workspaces, formats, layouts, colors
- Tested and proven smart correlation algorithms
- Query builder and output to Excel templates
- Complaint entry, analysis and response letters
- Address location
- Gate and corridor entry, editing, queries and penetration plots
- Point of Closest Approach from address and noise monitors
- Point of Closest Approach (cylinder and hemisphere track filters)
- Flight track and noise replay (2-D and 3-D)
- Interactive data browsers (similar to Excel spreadsheets)
- Map annotations
  - Select multiple tracks on the map
  - Altitude profile plot
  - Color tracks by operation, airport, altitude, aircraft, airline
  - Manual correlation editing
  - Noise event plot
  - Noise event audio playback
  - Noise event and wind speed correlation
  - Hourly and daily noise levels
  - 1/3-octave noise data
  - C-weight noise data

- Weather sensor data
- Metar Weather
- Flight rules (visual or instrument)
- Multiple airports
- Classification of noise events by airport
- Separation of noise levels by airport
- Measure in low level aircraft noise environments
- Calibration records
- Status records
- Portable noise monitor support
- Noise monitor set-up and configuration
- Assignment of noise model tracks
- Assignment of stage length for modeling
- Destination city
- Aircraft owner identification
- Aircraft and operator category grouping
- Crystal Reports (custom and standard)
- Report publication
- Scheduling of reports and queries
- Microsoft Certified for Windows Server 2003 and Windows XP
- Oracle Database
- Integrated Crystal Reports
- MS Office Integration
- Smart thin client
- Deployed server or remote hosting by Lochard
- Supports industry standard backup
- Remote monitoring and servicing by VPN

www.bksv.com/ANOMS
EXTENSIVE FEATURES AND CAPABILITIES
ANOMS works for the biggest and busiest airports in the world as well as airports with a noise problem but a small staff.
ANOMS has been proven in all kinds of operating environments. No monitoring system has anywhere near the feature set of ANOMS.

EXPANDING ENVIRONMENTAL CAPACITY

Against a background of continued long term growth in demand, airport master plans establish the major infrastructure investments required to support the growth in movements and passenger numbers.

In many cases, the real growth constraint may not be infrastructure, but the extent to which an airport can manage the environmental impact of growth and the resulting tolerance of the community to that impact.

To address this strategic issue requires a balanced program of impact reduction and tolerance building initiatives using state-of-the-art technologies and capabilities.

We call this “4th Generation Aviation Environmental Capacity Management”.

www.bksv.com/ANOMS