advanced
airport solutions

airsight
Company Profile

Company

Consulting
Training
Software

Consulting

Innovative consulting services based on in-depth knowledge for various aviation aspects

Training

Expert know-how on aviation-specific topics

Software

Custom software solutions for the aviation industry

airsight is an experienced and well-established company providing airports, air navigation service providers as well as civil aviation authorities and organisations with consulting and engineering services, software and training.

The airsight portfolio includes topics such as aerodrome design and operations, airport capacity and simulation, flight procedure design and obstacles assessment, aircraft noise, safety regulations and oversight, safety assessment and safety management systems supported by airsight's A-SMS software.

airsight has an excellent track record, as the company conducted more than 400 consulting projects at 45 international airports since year 1999, including *Bahrain, Brussels, Doha, Dubai, Dublin, Luxembourg, Malta, Warsaw, Vienna, Vilnius, Zurich*, as well as most major German airports (e.g. *Berlin, Dusseldorf, Frankfurt Main and Munich Airports*).

In addition, airsight consultants have participated in projects or working groups of the European Aviation Safety Agency (EASA), the International Civil Aviation Organisation (ICAO), EUROCONTROL, as well as Airport Council International (ACI), and have therefore excellent contacts in the aviation industry.

airsight offers more than 50 trainings annually, providing up-to-date content on aviation topics. In total, more than 3500 experts from all over the world have attended our courses and expanded their knowledge about national and international aeronautical matters.

Last but not least, airsight develops custom software solutions for the aviation industry, aiming for instance airports to manage complex safety related information, air navigation service providers to design flight procedures, or airlines to conduct and document their audits.

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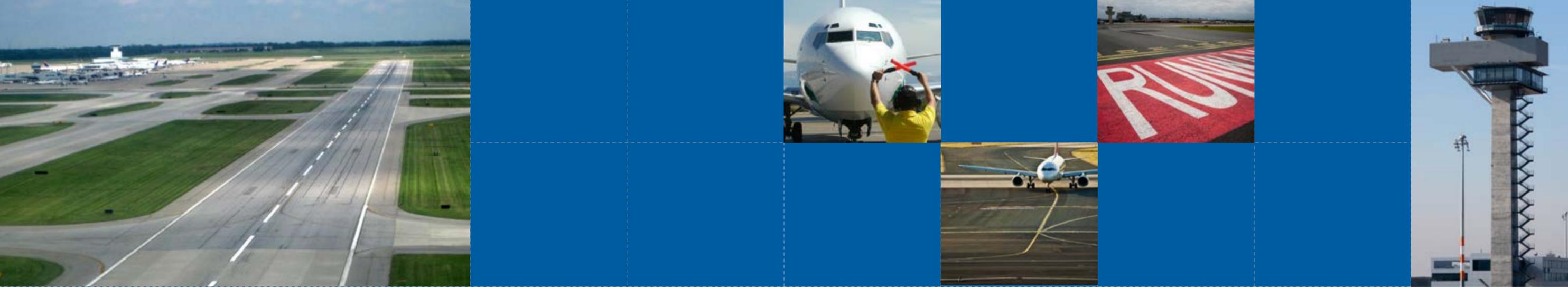Web: www.airsight.de

Managing Directors: Prof. Dr.-Ing. Holger Schulz
Dr.-Ing. René Dörries

Headquarter: Berlin, Germany

Experience: Since 1999

Employees: > 25

ISO 9001
CERTIFIED
QUALITY MANAGEMENT

ACI
EUROPE
WORLD BUSINESS PARTNER

Consulting

The core competences of airsight are around aerodrome and air traffic management. The company provides a wide range of specialised services, such as aerodrome design and operations, airport capacity and simulation, flight procedure design and obstacles assessment, aircraft noise, safety regulations and oversight, safety assessment and safety management systems.

Integrated Consulting Approach
The combination of these core competencies enables airsight to offer an efficient and integrated consulting approach, designed to assist clients to overcome complex aviation related issues without losing the big picture.

Cross-disciplinary Team
airsight consultants are aeronautical engineers, civil engineers and architects, licensed commercial pilots, aviation lawyers, statistics and economic experts as well as software developers. Such a cross-disciplinary team enables to deliver practical, efficient and innovative solutions to address clients' needs.

Cutting-edge Knowledge and Solutions
In addition, airsight permanently deals with the latest developments of the relevant national or international aviation regulations (ICAO, EASA, FAA) and activitely follows the evolution of future technologies and market trends. This allow airsight to provide valuable insights and to develop long-term sustainable strategies for success.

Airport Planning
Master Planning
Runway Design
Taxiways and Aprons Design
Compliance Assessments
Operations during Construction Works
Operation of New Larger Aeroplanes
Pavement Inspections
Aircraft Stand Management
Heliports
Airport Operational Procedures
Site Evaluation

Airport Compliance
UAV-based Pavement Inspections
Infrastructure Compliance
Operations Compliance

Airport Certification
Aerodrome Manual
Compliance Verification
Airside Safety Audits

Safety Analysis
Safety Assessment
Aeronautical Studies
Third-Party Risk Analysis

Flight Procedure Design and Obstacle Assessments
PANS-OPS Flight Procedure Design
ICAO Obstacle Assessments
Obstructions Surveys
GNSS Approaches
Collision Risk Calculations

Safety Management
SMS Development & Implementation
SMS Audit and Performance Review
Hazard Identification & Risk Assessment

Capacity and Simulation
Fast Time Simulations
Analytical Capacity Studies
Full-Flight Simulations

Aircraft Noise
Aircraft Noise Calculation
Active Aircraft Noise Mitigation
Data Acquisition System

CNS Site Analysis
Buildings and Radar Compatibility
ILS Critical and Sensitive Areas
Wind Turbines and Radar Compatibility

Aviation Authorities & Regulations
ICAO/EASA regulatory support
Legal Framework Development
State Safety Programme
Regulatory Impact Assessments
Competence Assessment
Training Concept and Programme

Project Development
Project and Interface Management
Licensing or Planning Approval
Development and Due Diligence

Other
Cost Benefit Analysis
Economical Surveys
Feasibility Studies
Public Procurement Procedures

Training

airsight offers more than 50 training sessions annually, providing up to date content on a broad variety of aviation topics conducted by renowned aeronautical experts.

Experts from all over the world have attended our courses and expanded their knowledge about national and international aeronautical matters. The positive feedback provided by the participants validates the high quality standards of our trainings.

Customised In-House Trainings

Additionally, airsight provides individual trainings in English or German (or in other languages with an interpreter), tailored to the customers' needs, at their own premises - anytime, worldwide. The content of the training will be customised based on our broad portfolio, as well as other areas of competences of airsight.

Training Course Benefits

High practical relevance through application-oriented knowledge transfer and real-world examples

Renowned trainers with practical experience provide an insider's perspective

Individual, effective knowledge transfer by means of flexible focus, small groups, and proven training methods

Presentation of the latest industry trends and developments, and their impact on the activities of the participants

Exchange of experience and networking within the aviation industry

Comprehensive learning material (handbook) as a useful reference

Training Course Quality

airsight operates an ISO 9001:2008 certified Quality Management System and pursues the objective to provide high quality services that fully meet the clients' needs. This applies especially to airsight's training courses: airsight systematically collects and analyses the participants' feedbacks, in order to continually improve the quality of the delivered training.

Training Topics

Aerodrome Capacity
Aerodrome Design
Aerodrome Master Planning
Aerodrome Obstacle Assessment
Aerodrome Operations
Aerodrome Safety during Construction
Aerodrome Safety Management
Aerodrome Wildlife Control and Management
Air Traffic Noise
Airport Collaborative Decision Making (A-CDM)
Auditing in Aviation
Aviation Law
Aviation Safety
EASA Basic Training for Aerodrome Inspectors
EASA Certification Requirements
EASA CS & GM
EASA Regulations for Airports and Authorities
Flight Procedure Design (ICAO PANS-OPS)
Heliport Planning and Design
Human Factors in Aviation
Introduction to Air Traffic Management
Introduction to Aviation and to the Aerodrome System
Runway Planning and Design
Taxiway and Apron Planning and Design

>3500 **experts** from all over the world (see map) have attended our courses.

26 **of the 28 European Civil Aviation Authorities** rely on airsight's training courses.

90 **percent of the attendees** are working on behalf of an Aerodrome Operator, a CAA or an ANSP.

96 **percent of the previous attendees** would recommend airsight training courses!

Software

airsight has a long tradition in the development of aviation software applications, based on state of the art technologies and enabling to achieve a unique level of scalability, customisation, and cost efficiency.

Custom or Commercial Off-The-Shelf

The company's software development department develops both Commercial Off-The-Shelf (COTS) applications - such as the Airport Safety Management Software "A-SMS Web" -, as well as custom software for both internal and external utilisation. The wide-range of software packages assist air navigation service providers to design flight procedures and optimise noise impacts, or airlines and aerodromes to conduct and document their audits and inspections (against EU-OPS, ICAO or EASA specifications).

Services Covering the Entire Software Life-Cycle

airsight software related services cover the entire life-cycle of the software: from requirements analysis to the design and implementation, deployment and support. Hereby, airsight makes an extensive use of open-source technologies and agile development methodologies to successfuly complete software projects on time and within budget.

airsight A-SMS Web

A-SMS Web by airsight is a web application which supports airports in setting up and maintaining efficiently a reactive as well as proactive Safety Management System.

A-SMS Web is build upon international regulations (e.g. ICAO Doc 9859 Safety Management Manual, EASA, FAA, Transport Canada) and therefore ensures compliance with most relevant standards.
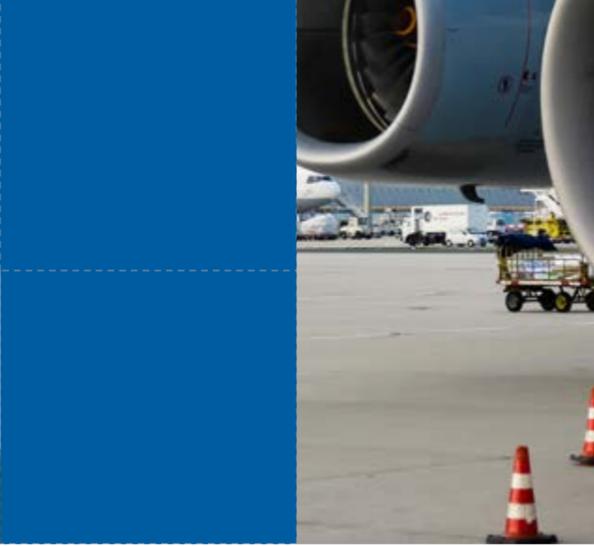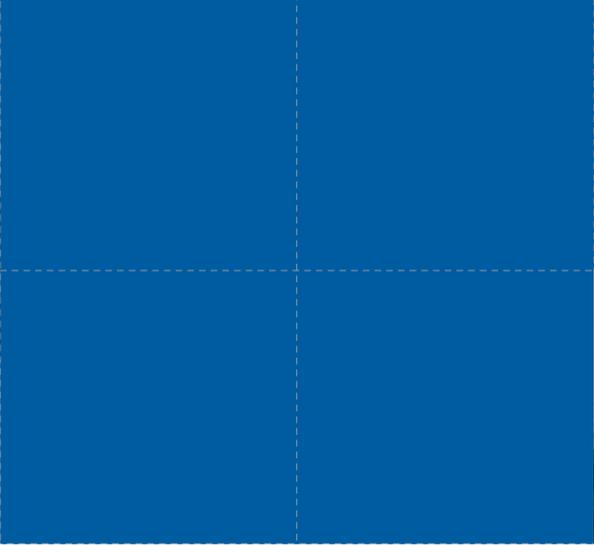
It centralises all safety relevant information (Safety Reports, Hazards, Findings, Corrective Actions...) and facilitates the information flow within the whole airport organisation.

Zurich, Belgrade and Malta Airports as well as Airbus as the operator of the special Airfield Hamburg Finkenwerder are amongst the users operating A-SMS Software.

Software Modules:
Occurrence Reporting
Occurrence Investigation
Safety Risk Management
Hazards Identification
Corrective Actions
Auditing
Document Management

Clients

airsight has conducted over 400 aviation projects worldwide, commissioned by both private and public clients of all sizes.

Airports aiming for infrastructural expansion in very limited environment, for safer and more efficient operations, for a better management of compliance to applicable regulations.

Civil Aviation Authorities requiring training or an independent partner to consolidate its oversight activities (rulemaking, certification procedure, inspections and audits, State Safety Programme).

Aviation Organisations looking for an independent, neutral, objective consultancy to develop a Regulatory Impact Assessment (RIA), conduct industry surveys or provide strategic advice.
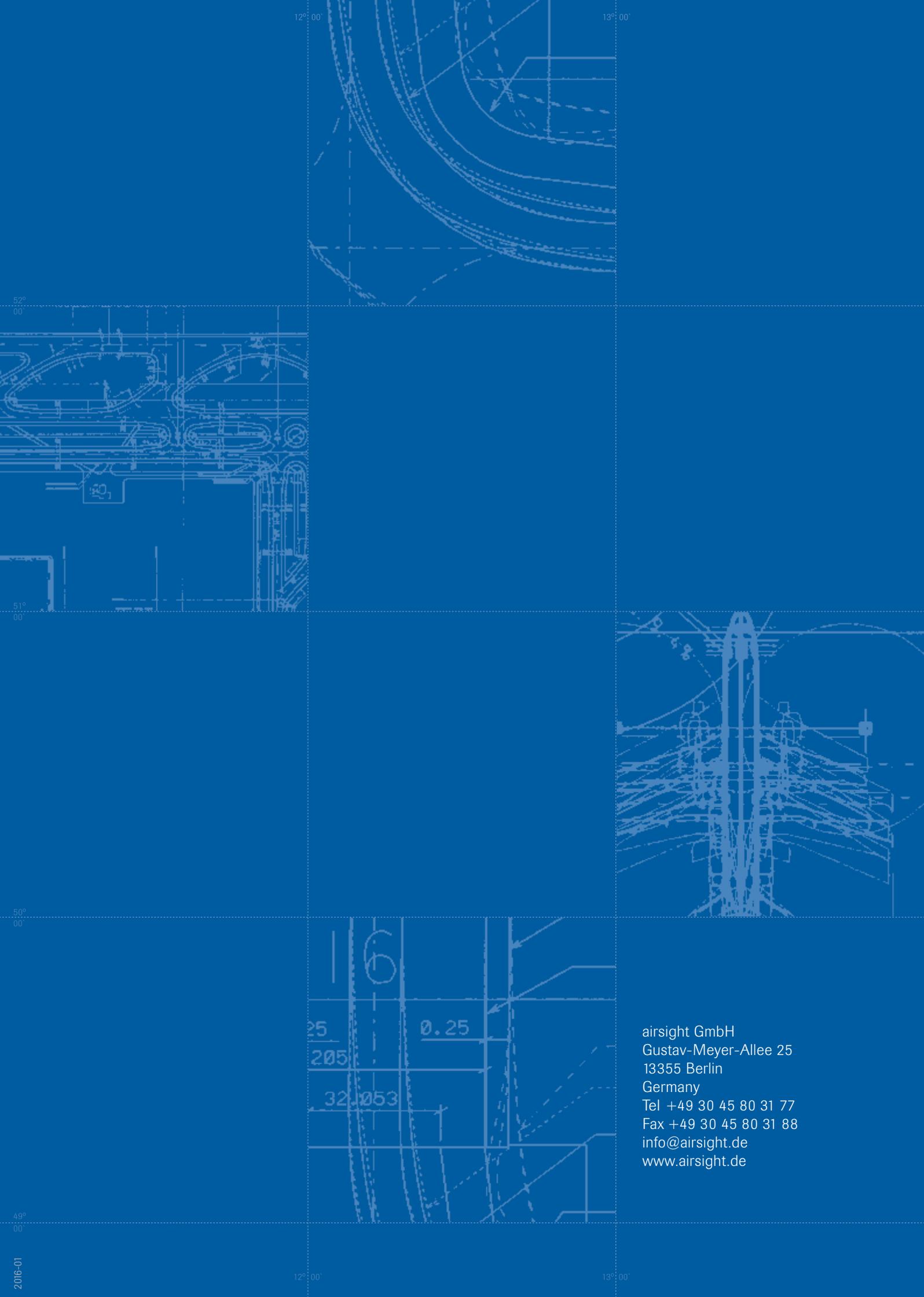
ANSPs planning to optimise flight procedures and airspace structure, implement Performance Based Navigation (PBN) concepts, or to conduct feasibilities studies and Safety Assessments.

Civil Engineering Companies looking for a partner with in-depth aviation expertise.