



AviatorSMS

you're in safe company



PROSPECTA
TECHNOLOGIES



Aviation safety is a term encompassing the theory, investigation & categorization of failures, and the prevention of such failures through regulation, education, and training



Policy, Risk Management, Safety Assurance, Safety Promotion

Aviation has made remarkable technological progress since the Wright brothers flew their plane way back in 1903. The progress is clearly visible in the ever-growing ultra-modern aircraft, count of passengers, and state-of-the-art airports. But a more significant hidden reason is that air travel is safer than any other mode of transport.

And this assurance of Safety is not by accident but by design, with a systematic & scientific approach to risk management in aviation.

Traditionally aviation safety programs were reactive and factors contributing to an incident were attributed to either technical or human. This has however evolved over the last few decades where organisational factors are the primary contributor to all the aviation incidents. With this shift, regulators are promoting a more proactive approach to establishing a safety culture.

The airport eco-system is complex with multiple stakeholders from different domains because of

which effective implementation of SMS and managing regulatory compliance is a challenge.

AviatorSMS is a powerful tool that enables organisations to collect comprehensive incident data, create an accurate picture of the event, identify root causes and learning points, and implement corrective actions. It also helps the organisations to meet regulatory requirements as specified by ICAO/IATA or the State Civil Aviation Authority.

AviatorSMS

is a dynamic and configurable/customizable web-based aviation safety software system that allows airports, airlines, ground handlers, or MROs to manage aviation safety, security, quality, environment, and compliance with various international and state regulations.



SAFETY RISK MANAGEMENT

Safety is all about managing Risk. According to ICAO, Risk Management is “The identification, analysis and elimination or mitigation to an acceptable level of those hazards and subsequent risks that threaten the viability of an organisation.”

There are more than 600 lost opportunities to capture possible hazards before an incident occur. The more hazards that are captured the less likelihood of an incident.

AviatorSMS has modules to capture hazards before they turn out to be incidents. It identifies hazards and systematically analyses risks and actions to mitigate the consequences. A fully customizable Risk matrix allows organisations to adapt to their own risk level.

The entire suite consists of

- Hazard Management
- Incident Management
- Audit Management
- Risk Management/Reviews
- Trend Analysis, Reports

Complies with ICAO Doc 9859 and other State requirements.

A number of features like escalations, substitutions, DMS, File attachments, work-flow, feedback, etc., makes a closed-loop communication and puts the responsibility on everyone within the organisation.

Safety is everyone’s responsibility at varying degree and AviatorSMS does just that by making Safety a culture within the organisation.

SAFETY POLICY

AviatorSMS

Modules of AviatorSMS enable organizations to formulate, document, and communicate Safety policies to the wider audience within and outside the organisation. The Policy Management module demonstrates a procedural framework in which the roles, responsibilities, accountability, and hierarchy can be established to implement safety.

Available modules are :

- Policies and Procedures
- Organisation Chart – Chain of Command
- Document Management System
- Accountability, Roles and Responsibilities of each position.

Complies with ICAO Doc 9859 and State requirements.

AviatorSMS





SAFETY ASSURANCE

Safety Assurance pillar demonstrates that the SMS is working as desired. Safety assurance modules are at the core of AviatorSMS implementation to meet ICAO SARPs and other State regulatory requirements.

It includes systematic and ongoing monitoring and recording of safety performance, as well as evaluating safety management processes and practices.

The operators must have tools to ensure and evaluate current safety processes.

AviatorSMS Safety Assurance module does that with the help of the following modules :

- Inspections
- Audits & Compliance
- Turnaround audits
- Airside Permits
- Permit to Work
- MOWP
- Ad-Hoc Reports

Complies with ICAO Doc 9859 and other State requirements.

SAFETY PROMOTION

is an integral part of an SMS, setting the tone for the organisation, and helping build a robust safety culture. Effective safety communication is vital in motivating employees to stay up to date with safety messages and act accordingly. AviatorSMS Safety Promotion modules help an organization promote a safe culture.

Safety Promotion encompasses the below modules:

- e-learning & online test
- Safety Communication
- Safety News Letters
- Safety Awards
- Safety Surveys

Complies with ICAO Doc 9859 and State requirements.

Safe way is the only way

A casual attitude to Safety causes Casualty. AviatorSMS makes Safety a part of the work culture that sensitizes the employees to varied aspects of safety. The various modules of AviatorSMS and its features assign responsibility & accountability leading to a cultural change in the organization and learning safety by accident has become a thing of the past.



AviatorSMS

It is a comprehensive web-based aviation safety software that supports ICAO SARPs and can be customized to meet specific requirements of the State.

Features

- Fully customizable-highly flexible
- Built-in work flows
- Automatic reminders/alerts
- Ad-hoc reporting
- Dynamic screen management
- Supports i18N

Business Benefits

- Minimize exposure to fines/penalties
- Reduce compliance costs
- Protect insurance coverage
- Enhance business reputation
- Boost employee morale
- Increased productivity
- Ensure safe & health workplace

Effective safety management is data-driven. A formal repository of safety knowledge is a safeguard against the volatility of the information.

An organization with historical safety information will make decisions based on facts, not opinions.

Software Specs

- Microsoft .NET framework
- ASP .NET , C#, AJAX, JavaScript
- Windows 2016 + Server
- Internet Information Server 5.1+
- SQL Server 2016+
- IE 6+, Chrome Hardware Specs
- 2Ghz x64 Processor
- 128GB RAM
- Disk space minimum 1TB



Hardware Specs

- 2Ghz x64 Processor
- 128GB RAM
- Disk space minimum 1TB

Features

- Zero client footprint
- Centralization & Integration
- Easy & efficient deployment
- Robust data security
- UME Engine with authorizations
- SSO option
- N-tier MVC architecture
- Integrated help
- Transaction codes - shortcuts



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Dawn or Dusk Safety



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you're in safe company

Global Support:

2-30-25, Sector-7
MVP Colony, Visakhapatnam
India 530017
(+91) 0891 2507335

AUSTRALIA:

14/129B Park Road,
Dundas 2117 NSW,
Australia
(+61) 0466 739 289

USA:

1000 N Belt Line Rd,
Irving, TX 75061,
USA

UNITED KINGDOM:

Blue Tower,
MediaCityUK,
Salford
M50 2ST
(+44) 0161 818 2565

www.prospectatech.com