



AVIATOR SMS

you're in safe skies

Powered by





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 clearly visible- the ever-growing passengers, ultra modern aircraft, 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 feeling of Safety is not by accident but by design – with systematic & scientific approach to risk management in aviation.

Traditionally aviation safety programs are reactive and factors contributing to an incident are attributed to either technical or human. This has however evolved over the last decade where organizational factors are now considered as the primary contributor of all aviation incidents. With this paradigm shift regulators are promoting a more proactive approach to establish a safety culture within the organisation and to improve Acceptable Level of Safety and to reduce risk to ALARP.

Aviator SMS is a comprehensive software solution that complies with all the four pillars of ICAO. It 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, implement corrective actions, and ensure proper incident notification up the chain of command. A number of modules of Aviator SMS help organisations meet specific regulatory requirements as specified by ICAO/IATA or the State.

Aviator SMS

Is a dynamic and configurable/customizable web based aviation safety software system that allows Ministry of Civil Aviation, DGCA, AAI, Airports, Airlines or MRO to manage Aviation Safety, Security Quality, Environment and compliance to various international and state regulations.

SAFETY POLICY

Modules of **Aviator SMS** enable organisations to formulate, document and communicate Safety Policy 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 Procedure
- Organisation Chart – Chain of Command
- Document Management System
- Accountability, Roles and Responsibilities of each position.

Complies with ICAO Annex 6, 3.3.5: Appendix 7,1,1,1.2,1.3,1.4,1.5

SAFETY ASSURANCE

Safety Assurance demonstrates that the SMS is working as desired. Safety assurance activities are at the core of a SMS that shall be implemented in order to meet ICAO SARPS and other 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 and technologies to evaluate current safety processes.

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

- Vendor Management
- Training gap analysis
- JSA (MOWP)
- Audit
- Airport Entry Pass
- Withdrawals
- Equipment Management
- Inspections & Audits
- Permit to Work
- Airside Driving Permit
- Violations

Complies with ICAO Annex 6,3.3.5: Appendix 7, 3.1,3.2,3.3

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 occurs. The more hazards that are captured the less likelihood of an incident.

Aviator SMS has modules to capture hazards before they turn out to be incident. It identifies hazards and systematically analyses risks and actions to mitigate the consequences.

A fully customizable Risk matrix allows organisations to adapt to their 2 own risk level matrix. The entire suite consists of

- Hazards Management
- Incident Management
- Injury Management
- Risk Management/Reviews
- Trend Analysis, Reports

Complies with ICAO Annex 6,3,3,5: Appendix 7,2.1, 2.2.

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

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

SAFE WAY IS THE ONLY WAY

A casual attitude to Safety causes Casualty. Aviator SMS makes Safety a part of the work culture that sensitizes the employees to varied aspects of safety.

The various modules of Aviator SMS and its features assigns responsibility & accountability leading to a cultural change in the organisation and learning safety by accident becomes a thing in the past.

SAFETY PROMOTION

Safety Promotion is an important part of an SMS, setting the tone for the organisation, and helps build a robust safety culture. Effective safety communication is vital in motivating employees to stay up to date with safety messages and act accordingly.

Aviator SMS Safety Promotion modules help an organisation promote safety culture. Modules that can be used are

- Training & e-learning
- Safety Communication
- Safety News Letters
- Safety Awards
- Safety Surveys
- Trend Analysis, Reports

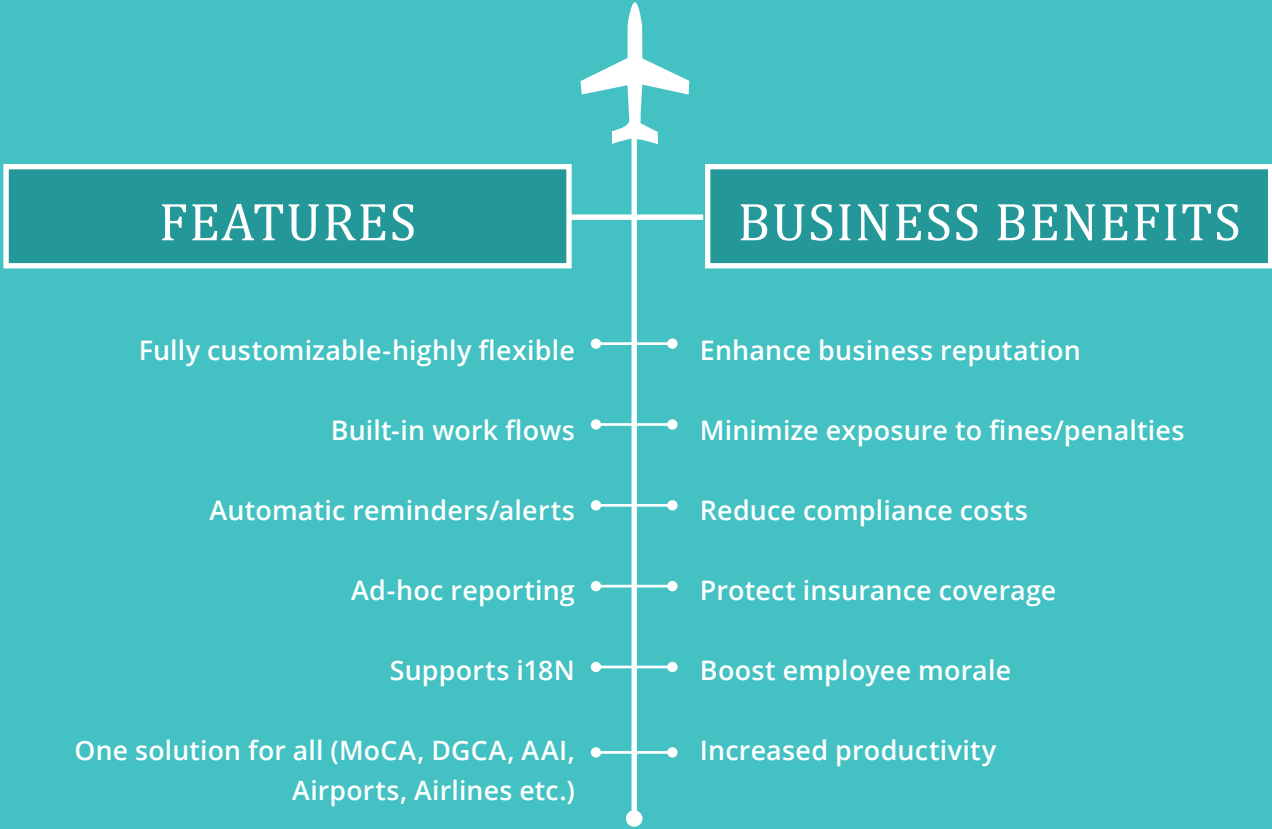
Complies with ICAO Annex 6,3.3.5: Appendix 7, 4.1,4.2



AVIATOR SMS

Aviator is comprehensive web based aviation safety software that supports ICAO SARPS and can be customized to meet specific requirements of the State.

The various modules of Aviator SMS and its features assigns responsibility & accountability leading to a cultural change in the organisation and learning safety by accident becomes a thing in the past.



Effective safety management is data driven. A formal repository of safety knowledge is a safeguard against volatility of the information. An organisation that has historical safety information will make decisions based upon facts not opinions.



AVIATOR SMS TECHNICAL DETAILS



SOFTWARE SPECS

- Microsoft .NET framework
- ASP .NET , C#, AJAX, JavaScript
- Windows 2010+ Server
- Internet Information Server 6+
- SQL Server 2010+
- IE 8+, Chrome

HARDWARE SPECS

- 2Ghz x64 Processor
- 4GB RAM (REC 8GB)
- Disk space minimum 500 GB

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





Dawn or Dusk



Safety First



Prospecta Technologies