



## Better track operational risk to improve safety.

Airlines benefit from having a safety and quality management framework in place. However, it is key to use a consistent risk management and compliance monitoring approach, with time-saving and easy to use tools for monitoring risks in real-time. SITA Safety Cube is the industry solution to offer timely decision-making to mitigate risk, improve safety, and safeguard sustainability in aviation's constantly evolving operational context.

### BACKGROUND

The air transport industry is characterized by the constant evolution of the operational environment. Therefore, keeping up with the operational risks and safety control's effectiveness is a real challenge and a pivotal point for Moving from a reactive to a proactive risk management approach.

To achieve this goal, an SMS should be efficient in managing safety reports, safety analysis, and mitigation actions and effective in detecting trends and developing relevant mitigation strategies.

Still, effectiveness cannot be achieved without consistent data aggregation and visualization to identify emerging safety issues.

### SOLUTION

SITA Safety Cube addresses this challenge in two steps.

**First**, supporting the strategic operational risk mapping through the bowtie risk evaluation methodology

**Second**, allowing to constantly adapt safety strategy to operations by connecting bowties to safety reports and analysis

This way, users can **get a real-time risk assessment overview** thanks to the dynamically updated bowties.

**Data management is at the heart of the SITA Safety Cube.** It allows to collect, aggregate, and connect all safety data to **establish an efficient safety strategy** and an **effective performance monitoring program.**

### BENEFITS

Evaluate **safety strategy at a glance** by easily identifying actual threats and effectiveness of control to **make the right decisions about risks mitigation.**

**Go further** when assessing risk, from making **qualitative** safety analysis to **quantitative** analysis.

Drives **actionable insights** to make decisions to **allocate resources to control/mitigate the operational risks** based on current and reliable safety information.

Control safety performance, enhance quantitative safety analysis and visualize safety data to **make the right decisions for mitigating operational risk**

### RESULTS

**100%**

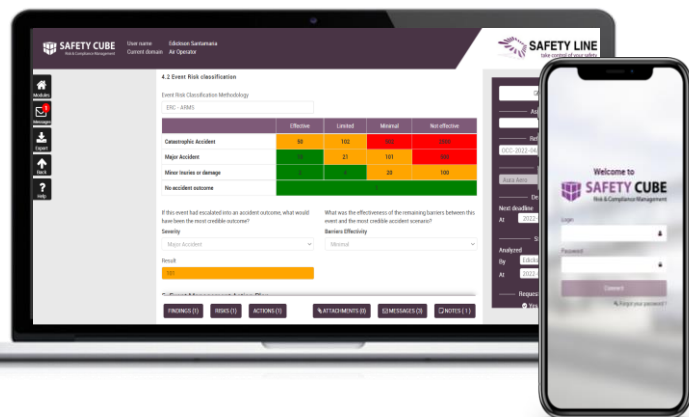
**Compliance with applicable regulations**

**10%**

**Reduction of operating costs through safety performance improvement, and insurance premiums reduction**



## How Does it Work?



### SOLUTION COMPONENTS

#### A reporting platform

Customizable reporting from accessible from a desktop and a mobile app.

#### Safety Management Module

- Investigations administration
- Searchable & Sharable Safety Database
- Risk management approach relies on Bowtie's risk analysis methodology.
- Management of change risk assessment Module

#### Audits Management Platform

- Checklist administration from Regulations / Operational standards
- Findings and action follow-up.
- Application to perform audits offline
- Automatic findings generation

#### Integrated Dashboard

- Customizable landing page to track SPI, Reports, Findings, actions, and more

**Safety Communications administration**  
**Documentation storage**

### CASE STUDY

We use SITA safety cube as a means to promote safety. It also helps us to ensure and demonstrate compliance with EASA requirements.

The hazard classification is built on the ICAO ADREP Taxonomy, and the risk mapping is proposed as a bowtie that evolves continuously. This helps to detect the potential development of risky situations and take appropriate measures.

We can also verify the reliability of safety controls and assess their effectiveness

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