

# Equipping Your Organization to Manage Safety



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An organization's strong safety record improves public trust, attracts customers, and reduces operational cost. To achieve these organization-wide benefits, employees must be comfortable consistently applying leading safety management practices to identify hazards and manage risk. Every person working in an organization is responsible for safely delivering products and services to the public. MITRE's experienced safety practitioners will train and advise your employees with the goal of taking your organization's safety to the next level.

## Leading Safety Management Practices

The Safety Management System (SMS) is a structured approach proven to support an organization in achieving a positive safety record. SMS applies leading practices to efficiently manage safety as part of an organization's day-to-day operations. Specifically, SMS features tools and techniques to detect current and potential hazards, analyze their possible impacts, mitigate the risk to an acceptable level, and monitor the effectiveness of those mitigations. An effective SMS program reduces the possibility of harm to people or damage to property to an acceptable level.



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MITRE's safety expertise supports organizations seeking to implement or improve safety management practices.

## Equipping Your Organization to Manage Safety

### Train with Tailored Safety Management Skills and Tools

MITRE trains executives, mid-level managers, front-line staff, and safety practitioners in effective safety management. Our courses teach safety management concepts and tools using interactive exercises and real-life examples that illustrate the concepts and how to apply them. Following our courses, participants will be able to explain SMS and apply it to their organizations.

MITRE has trained over 4,000 students in safety management since 2005, representing the aviation, rail, transit, automotive, and maritime industries in the U.S. and around the globe. MITRE caters course content by creating exercises based on historical accidents and studies that are relevant to the organization. MITRE's SMS courses align with employee roles as follows:

- **SMS Executive Synopsis:** A half-day course for C-suite executives envisioning how to systematically implement safety in their organization.
- **SMS Introduction:** A 1-day course for mid-level managers making business decisions that influence safety.
- **SMS Overview:** A 2-day course for front-line staff interfacing with SMS.
- **SMS Principles Course:** A 3- to 5-day course for safety professionals implementing SMS.
- **Advanced SMS:** A 2-day course providing deeper skills, knowledge, and implementation guidance for safety professionals enhancing an SMS program.

### Guiding SMS Implementation and Policy Development

Due to the inherent challenges in consistently applying SMS across an organization, MITRE works closely with safety practitioners to guide strategy for implementing and improving these programs. For example, MITRE will present alternative examples of leading practices that your organization can use to customize its SMS program. Also, we will recommend strategic improvements to your existing safety programs by identifying strengths and opportunities through interviews with key personnel about safety goals and observing existing safety practices at the front line. Advice may address topics such as risk analysis techniques, voluntary safety reporting, safety culture promotion, field safety protocols, and incident response, among others. As a strategic SMS advisor, we will also help onboard an SMS implementation consultant to work with your team day-to-day. Because we do not have commercial conflicts of interest, we will write requirements for a request for proposal and provide SMS-expert review of responses in line with your organization's acquisition process.

As demonstrated by our experience contributing to making the U.S. aerospace system the safest and most efficient in the world, MITRE has the safety know-how to drive accident rates lower and enable innovative new operations. Reach out to MITRE's safety management experts to determine how to move your organization to the next level.

To learn more, contact [safetymanagement@mitre.org](mailto:safetymanagement@mitre.org).

"The course was so comprehensive and the instructor delivered it in a manner easy to understand and apply."

Cabin Safety Specialist  
from an Airline Operator

"The course was excellent for all users of SMS."

Safety Inspector from the National  
Transportation Safety Board

"I like the discussion encouraged amongst the team about how we will apply it."

Senior Technical Program  
Manager from a Self-Driving  
Vehicle Developer

To learn more about our courses,  
visit [www.mai.mitreaasd.org](http://www.mai.mitreaasd.org).

MITRE's mission-driven teams are dedicated to solving problems for a safer world. Through our public-private partnerships and federally funded R&D centers, we work across government and in partnership with industry to tackle challenges to the safety, stability, and well-being of our nation.