



Aerospace Safety & Risk Management



Aviation / Aerospace Safety

Creating a Just Culture through Leadership, Training, and Education.

Futron's goal is to infuse Risk-Informed Decision Management into Aerospace Safety. We do this by creating a solid organizational foundation through safety culture shaping and leadership education, then providing actionable knowledge to aviation managers via risk forecasting methods and safety metrics analysis.



Futron Corporation enhances the potential for operational success in commercial, military, and civil aviation through our Aviation / Aerospace Safety support services. Futron provides operational support for its clients by ensuring reliability, efficiency, maintainability and preservation of assets, together with compliance support and monitoring of quality assurance and safety management systems. Futron ensures that our clients establish a strong safety foundation allowing them to support the highest program standards, forecast and manage risk for optimum performance, and examine organizational and operational data for proactive safety strategy formulation.

Futron's other core capabilities

- **Decision Support**
- **Advanced Modeling and Simulation**
- **Integrated Risk Management Tools**
- **Executive Program Management Solutions**
- **Data Mining and Trending**

Safety Management System Support

- Creation and/or continuous improvement of SMS structure, implementation, and compliance
- Hazard identification and analysis
- Process improvement via operational and safety synergy
- On-site safety assessment and monitoring

Risk Management and Assessment

- Service Life Extension Program (SLEP) monitoring
- Complex simulation development and scenario building
- Reliability and failure assessment
- Dynamic analytics and statistical analysis
- Schedule, cost, and safety risk analysis
- Tactical Risk Management

Organizational Culture Shaping

- Hazard identification through facilitated workshops
- Leadership educational seminars
- On-line culture surveys with statistical analysis and comparison
- Aviation safety standardization training

Risk Management

Preserving Assets through Hazard Mitigation

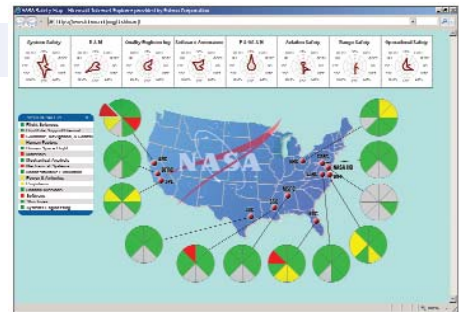


Today's organizations are faced with increasing challenges to succeed, including greater goals, additional external requirements, and fewer resources. Additional management tools and skills are often required at every level to meet the challenges. The ability to manage a business in the face of many unexpected and unknown challenges is vital to success.

Risk Management is a proactive approach to managing risk and uncertainty. It is a systematic, well-informed, and thorough method of decision-making that is applicable to specific projects and across broad organizations. Risk Management is proven to allow more effective planning, better utilization of resources, and increased likelihood of success.

Risk Management Training

- Teaches Risk Management at the level you need – basic to senior leadership.
- Discussed tools and techniques to manage a variety of risk, including safety, schedule, cost, performance, and compliance risks.
- Describes how to integrate Risk Management with other management processes.
- Prepares you to assess your Risk Management implementation and make adjustments to meet the changing needs of your organization.



Risk-Based Portfolio Management

- Creates a systematic decision-making process to choose the best portfolio option based on decision criteria and risk.
- A quantitative, transparent, risk-based, integrated approach to portfolio management.
- More effective execution of a project, once selected, by virtue of introducing a process to ensure that the best option is selected.

Enterprise Risk Management

- Aligns an organization's goals, objectives, strategies, processes, people, technology, and knowledge to create value.
- Looks across traditional functional, organizational, or cultural barriers to manage the key business risks and opportunities to maximize value for the enterprise as a whole.
- Reduces unnecessary expenditures by mitigating risks before they become costly problems.
- Creates pervasive, proactive organizational culture by recognizing and rewarding problem avoidance.

Systems Safety Engineering

- Optimizes total system user safety needs and concerns for maximum performance through minimized loss.
- Provides effective tools for managers to control cost and schedule impact from safety risks and opportunities.
- Enables all team members who develop, build, and integrate the elements of the system to use their talents and accomplish their product goals in the safety possible environment.

Cost, Schedule, and Technical Risk Assessment

- Takes customer inputs and links cost and technical risks to a project schedule.
- Identifies and defines risks then performs Monte Carlo simulations to provide a visual display of what risks or tasks are impacting the schedule or cost.



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