

Historically, the human element has accounted for the majority of operating and support costs. AMSEC's extensive HSI experience allows us to rapidly integrate human engineering, manpower, personnel, training, and environmental and safety requirements into the design process. This improves total system performance and reduces cost of ownership. Our HSI processes provide for improved safety, fewer operators/maintainers, worker quality-of-life improvements, and operability enhancements.

Through a hazard analysis, AMSEC:

- identifies and evaluates all potential hazards;
- classifies hazards as acceptable or unacceptable risks;
- identifies hazardous components, systems, and interfaces;
- evaluates potential solutions; and
- develops and submits recommendations.

Manning Analysis

AMSEC's HSI Team understands that is the number one cost driver for product and production operations and support for many industries. Our manpower assessment techniques permit effective integration with new design efforts, as well as non-disruptive assessment of established processes. This allows for the insertion of state-of-the-art technology and automation into both new and established products and production processes. During our assessments, AMSEC:

- investigates new technologies;
- conducts personnel interviews;
- observes system and process operations;
- analyzes maintenance procedures;
- utilizes the latest, approved industry/Government manpower indices and standards; and
- reviews policies and procedures that drive manning requirements.

These analyses allow our HSI Team to identify potential areas for manning reductions. Reduced manpower requirements significantly lower operation and support costs, and optimize life-cycle costs, both of which are crucial in today's difficult personnel retention environment.

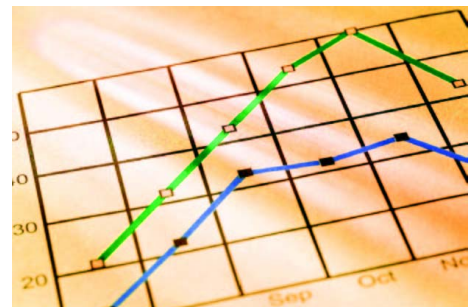


Safety Analysis

AMSEC provides analysis services to ensure safety both on-board ship and on shore. We combine our own design experience and knowledge of industry standards with that of the customer to help assess risk, analyze safety considerations, and develop effective safety plans. AMSEC is experienced in conducting safety programs involving a wide range of technologies and establishing the administrative and technical means by which accident prevention requirements and policies are planned, managed, and implemented. We have the capabilities to conduct hazard analyses and eliminate or mitigate identified hazards. Safety is an integral part of every systems engineering process.

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