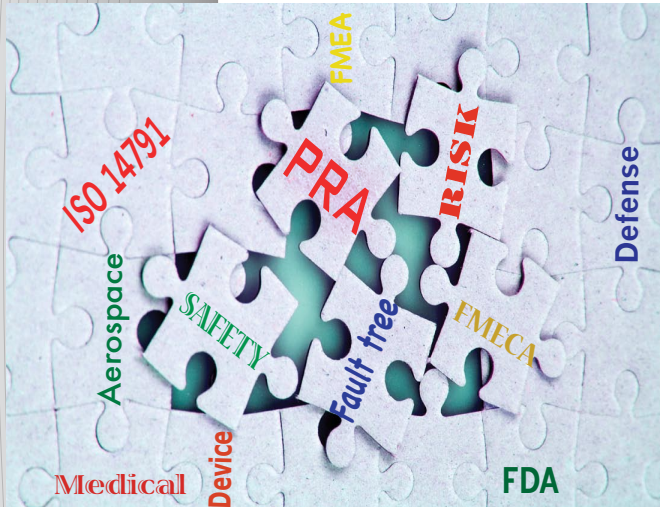


# CAPABILITIES



Advance Engineering Sciences Corporation (AESC) is an independent provider of risk management and engineering consulting services with industry expertise in Risk Modeling, Safety Assessment, Reliability Analysis, System and Software Engineering.

Clients are invited to play an active role in our internal process. Engaging client's expertise with our industry experts ensure mutual satisfaction in the unique solutions we provide to each client.

*The Highest Quality Engineering Services on time and on budget*

## MEDICAL DEVICE SAFETY

To ensure patient safety, FDA and other international organizations are mandating medical device manufacturers to provide safety and risk analysis as part of the certification process. Rely on our unique capabilities and experience in quantitative safety and risk assessment during your certification process and let our engineers help you comply with Preproduction Quality Assurance (PQA) and ISO 14971.

## AEROSPACE

Matching the need of aerospace industry with appropriate combination of risk and reliability assessment services has proven successful in helping our client meet their mission assurance and safety goals. Applying our Probabilistic Risk Assessment (PRA) know-how to complex ground based as well as flight systems has produced impressive results. Offering detailed component level, subsystem and system level reliability, FMECA, availability and risk assessment engineering services have also enhanced clients' existing in-house capabilities.

## MILITARY & DEFENSE

Reliability, Maintainability, Availability and Risk Assessment have always been a serious concern to Department of Defense and contracting organizations. Our engineers have assessed weapon safety for various stages of use, including storage, transportation, and deployment with focus on safety risk to personnel handling the weapons. Risk assessment services have been provided for new weapon systems as well as weapons in service. Having successfully developed risk models to assess failure risk and consequences, has provided foresight into possible failure scenarios and quantitative measure of their likelihood for many of our clients.