SEER project estimation and management solutions improve success rates on complex development projects. Based on sophisticated modeling technology and extensive knowledge bases, SEER solutions help enterprises assess up-front project feasibility, optimize project costs and schedules, and assess risks and probabilities to achieve successful project outcomes.

**MORE FIDELITY**

SEER for Systems Engineering (SEER-SYS) provides estimators the ability to create estimates of systems engineering cost, schedule and effort with more fidelity than previously available. Unlike traditional wrap-factor approaches, SEER-SYS allows users to truly hone in on the characteristics of their system. SEER-SYS estimates are a function of system functional size along with adjustments from a number of environmental factors related to systems engineering.

SEER-SYS also brings the same detailed parametric approach that Galorath has developed for hardware, software, IT and manufacturing cost estimation and applies it to systems of all sizes and complexities.

**A GREATER LEVEL OF SPECIFICATION**

SEER-SYS’ organic estimation approach is an alternative to the Systems Engineering and Integration estimates in SEER-H and builds upon the capabilities available in SEER-IT, but brings the user a greater level of specification. With SEER-SYS, users can:

- Specify system size through common systems engineering products, such as requirements and interfaces
- Perform trade studies and identify the effect of different program decisions on the systems engineering effort required
- Evaluate the impact of reusing existing system components against new designs
- Develop systems engineering budgets consistent with the work scope of ISO-15288
- Generate detailed systems engineering estimates, broken down to a Work Breakdown Structure consistent with ANSI-632
- Estimate systems of all sizes, from component level to System-of-systems

SEER-SYS provides another level of risk analysis and budget analysis through the use of standard or user provided labor rates, and defensible standardization with Knowledge Bases established on a foundation of COSYSMO data and Galorath Systems Engineering research, which has been validated in the field via years of collaboration with Galorath partners and industry champions.

**VETTED AND CUSTOM KNOWLEDGE BASES**

SEER-SYS includes four Knowledge Base categories that provide previously vetted, industry standard parameter settings. It also allows users to create and use their own Knowledge Base for company standard parameter settings, ensuring more consistency between estimates.

- Environment/Platform: Describes the operating environment or platform for the project. Knowledge Bases provided include Air-Manned, Air-Unmanned, Commercial, Ground, Industrial, Sea, Space-Manned, and Space-Unmanned.
- System Level: Defines the system hierarchy and the system level being modeled. Knowledge Bases provided include System-of-Systems (SoS), Major System, Major Subsystem, Minor Subsystem, Line Replaceable Unit, and Component.
- Application: Defines the technology application of the system being developed. Knowledge Bases provided include Aerospace and Telecommunications. Several more detailed application Knowledge Bases are planned including Automotive, Data Systems/IT, Manufacturing, Military/Defense, Scientific/Research, Space Systems, and Transportation.
- Acquisition: Defines the maturity of the system being modeled. Knowledge Bases provided include Follow-on program and New Development/First Release.
ABOUT GALORATH

Galorath Incorporated has invested more than two decades developing solutions to help government and commercial organizations plan and manage complex projects. SEER solutions combine an intuitive interface, extensive project-applicable Knowledge Bases, sophisticated project-modeling technologies, and rich reporting features to expedite the planning process and keep projects on track.

SEER solutions are employed by thousands of users worldwide in financial, manufacturing, high-technology, and government institutions to obtain a rapid and powerful view of the critical factors driving program decisions and success.

ON TIME. ON TARGET.

- Understand and manage cost drivers and project risks
- Analyze complex and interdependent lifecycle trade-offs
- Leverage the industry’s most comprehensive project Knowledge Bases to generate viable estimates for all system design options long before an approach has been finalized
- Perform architectural cost trade-offs early and effectively
- Specify system size from component level up to System-of-Systems
- Produce defendable estimates consistent with the work scope of ISO-15288 with a Work Breakdown Structure based on ANSI-632
- Incorporate other costs such as licenses, tools, and software development as part of the system design trade
- Project systems engineering staffing requirements over the span of the project

Galorath Incorporated
Phone: +1 (310) 414-3222
Fax: +1 (310) 414-3220
E-mail: info@galorath.com

Galorath International
Phone: +44 (0) 207 788 9042
Fax: +44 (0) 207 138 2642
E-mail: international@galorath.com

www.galorath.com

© Galorath Incorporated 2015