


GALORATH

The Future. Delivered.

Executive Summary




Your Trusted Advisors with Decades of Collective Experience

For over 40 years, Galorath has partnered with leading organizations in high-stakes industries to achieve project success on time and within budget. Today, we support public and private sector teams through an integrated platform that connects cost, schedule, labor, and risk estimation with AI-powered interaction and expert services.

Our consulting expertise, cost management technology, and proprietary data empower informed decision-making and drive project success by delivering actionable insights, accelerating program planning, and reducing time to value.

With SEERai™, the platform's intelligence layer, users engage through natural language, generate transparent estimates faster, and adapt models in real time to reflect evolving project conditions.

When you partner with Galorath, you're not just hiring a service provider; you're gaining a strategic ally. Our experienced employees work hand-in-hand with you to understand your unique needs, challenges, and goals. They apply decades of domain-specific experience and advanced modeling logic to create tailored solutions that help reduce uncertainty and improve project outcomes.



Our Mission: Galorath provides expertise, technology, and data that empower informed decision-making, enabling organizations to achieve their goals with confidence.

Our Vision: We envision a future where businesses are architects of positive change, crafting and implementing innovative solutions that enhance the human experience.

Our Values

FOUNDATION | Our bedrock is integrity. Every decision and every action is rooted in trust and transparency. We uphold the highest standards of honesty and ethical conduct, ensuring that integrity is not just a value but a fundamental part of our identity.

FOOTPRINT | Leaving a positive mark on the world. Committed to community, environmental stewardship, and transformative impacts for our team. We actively engage in initiatives that promote sustainability, social responsibility, and a better future for all, reflecting our dedication to making a meaningful difference.

FRONTIER | Exploring new horizons. We embrace intelligent risks to pioneer solutions that shape the future. Our culture of innovation goes beyond technology; it's about thinking creatively, challenging the status quo, and constantly seeking better ways to achieve our goals.

SYNERGY | Diverse voices, united in purpose. We cultivate an environment where respect and inclusivity resonate in every interaction. Our commitment to diversity is not just about fairness; it's about enriching our company culture and embracing the strength found in different perspectives.

CONNECTION | Empathy drives us. Understanding and responding to our customers' needs is the pulse of our business. We listen intently, respond thoughtfully, and place our customers at the center of our innovation, ensuring that our solutions solve problems and enrich lives.

RESOLVE | Steadfast in our commitments. Upholding fiscal and personal accountability as the anchor of our success. We recognize that our actions have consequences and take ownership of them, ensuring that we act responsibly toward our stakeholders, community, and the environment.

Finding Opportunities in Challenges

Galorath operates at the convergence of emerging trends, market challenges, and the needs of cost engineers. Our platform brings structure, speed, and transparency to estimation across industries facing increasing pressure to act fast, justify decisions, and control risk.

SEER®, along with **SEERai™**, Galorath's groundbreaking AI-driven estimation assistant, leverages technology, artificial intelligence, proprietary datasets, and proven methodologies that transform digital engineering. Together, SEER and SEERai form an adaptive estimation environment that automates complexity, accelerates planning, and delivers explainable, real-time insights across cost, schedule, labor, and risk domains.

Staying Ahead of Market Shifts: Monitoring Trends for Continuous Innovation

We monitor trends to ensure we are constantly innovating to address the market's needs and expand our development roadmap to ensure our customers are always ahead of market shifts. This includes aligning our platform with global procurement expectations, integrating AI responsibly, and developing solutions that reduce reliance on disconnected tools or spreadsheets.

Emerging Trends: Transforming Cost Engineering

Cost engineering is evolving. As programs face tighter timelines, shrinking talent pools, and increased scrutiny, traditional tools no longer deliver what today's teams need. Galorath's AI-powered estimation platform, combining the trusted SEER core with the SEERai intelligence layer, delivers speed, traceability, and confidence throughout the project lifecycle.

- **AI-Driven Estimation at Scale:** SEERai brings natural-language interaction, intelligent agents, and explainable results into estimation workflows. This enables faster, more collaborative planning without sacrificing structure or accuracy.
- **Digital Twins and Predictive Modeling:** Digital twin adoption continues to rise. Galorath integrates estimation logic into these virtual models to align cost and schedule planning with real-world operations and identify risks earlier in the lifecycle.
- **From Gut Feel to Data-Backed Decisions:** Galorath combines historical logic with live context to support evidence-based decisions. Teams move from reactive adjustments to proactive planning based on timely, traceable insight.

Solving Today's Program Challenges

Galorath helps teams plan smarter, reduce risk, and avoid costly mistakes.

- **Managing Complexity Across Functions:** Galorath unifies estimation, labor planning, scheduling, and risk into a connected platform that supports consistency and transparency across disciplines.
- **Better Resource Alignment:** SEER and SEERai support detailed labor plans built from effort models and work breakdown structures. This reduces rework and improves resource planning.
- **Avoiding Cost Overruns:** Galorath provides early visibility into risks and budget pressure through scenario testing and interactive models that allow teams to adjust confidently.

What Galorath Unlocks

Move faster and plan with confidence using proven models supported by AI.

- **Smarter Estimation Workflows:** SEERai guides users through estimate creation, refinement, and comparison using conversational prompts and embedded logic, improving speed and clarity.
- **Improved Collaboration:** Teams across engineering, finance, and leadership can access and interact with models through plain language. This keeps everyone aligned and accelerates delivery.
- **Scalability Across Use Cases:** Galorath's platform scales to support programs of any size. From component-level estimates to full program portfolios, the platform adapts to the needs of each organization.

SEERai

First-to-Market AI for Cost Estimation

SEERai by Galorath empowers digital engineers with data-driven insights to launch products cost-effectively. It is an advanced generative AI explicitly built to assist the needs of digital engineers and engineering professionals as they plan and estimate projects in various sectors, including information technology (IT), software, hardware, manufacturing, aerospace, military, space, and more.

SEERai is not a standalone chatbot. It is an embedded intelligence layer that enhances SEER's parametric modeling engine with natural interaction, secure agentic workflows, and real-time guidance. It performs three critical functions: translating human input into model logic, accelerating workflows like WBS generation and labor estimation, and contextualizing results using internal knowledge and external references.

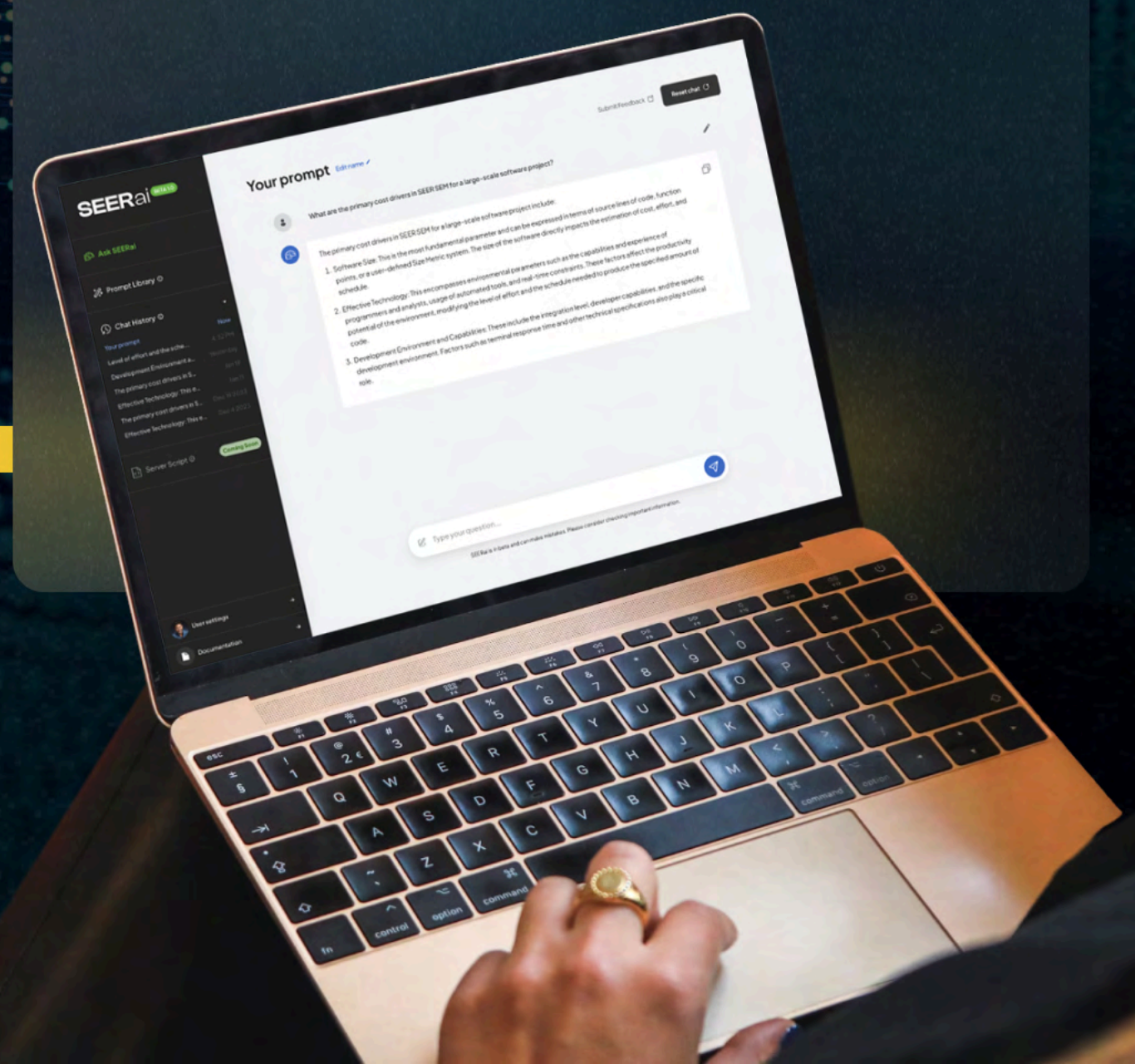
SEERai is the first of many innovations in artificial intelligence under the Galorath AI Strategic Initiative—a transformative, strategic development effort in digital engineering and estimation designed to provide real-time, data-driven insights that empower organizations to make better decisions in analysis and planning. This initiative prioritizes traceability, auditability, and outcome alignment—giving customers fast answers they can trust.

As part of the SEER platform, SEERai™ works seamlessly with other SEER products, offering unparalleled scalability and extensibility.

Revolutionize Your Estimation Process with SEERai™

With SEERai, organizations can:

- Generate cost, schedule, and risk estimates using natural prompts
- Automate Work Breakdown Structure creation and refine models dynamically
- Gain immediate insights based on data-driven information
- Utilize interactive SEER training
- Leverage prompt engineering templates custom to your project
- Export SEER scripts quickly and easily
- Accelerate time to decision while maintaining transparency and traceability
- Dramatically enhance decision-making



Introducing SEERai

The Future of Cost Estimation and Decision-Making

Organizations are increasingly required to deliver projects faster, reduce costs, and improve outcomes in complex settings. SEERai, the newest addition to the SEER™ Estimation Platform, revolutionizes project estimation and execution by integrating cost, schedule, and risk analysis into a single, scalable solution. SEERai enables:

- Faster time to insight with natural language estimation tools
- Automated WBS creation and AI-assisted proposal response
- Improved price-to-win and should-cost modeling
- Faster risk and schedule estimation using trusted data
- Domain-specific intelligence tuned to your estimation workflows

Leveraging advancements in AI, SEERai combines a powerful large language model with tools and agents to deliver secure, actionable intelligence. SEERai uses retrieval-augmented generation and tenant-specific agents to align outputs with your internal data, estimation standards, and historical context. Its dynamic integration with external large language models (LLMs) allows organizations to harness real-time insights like industry trends and supplier data, while safeguarding privacy.

The result is a faster, more adaptive estimation process that remains explainable, auditable, and aligned with your business goals. SEERai delivers immediate value today while building a scalable foundation for the needs of tomorrow.



Generative AI provides incredible value, strategic direction, and insight for project, cost, schedule, and risk estimation, and it allows previously buried project data to surface and become useful and actionable. We're excited about the possibilities that SEERai from Galorath represents and look forward to future development efforts in artificial intelligence.

—Denise Nelson, Affordability Lead Systems Engineer, The Boeing Company

SEER and SEERai give our team unprecedented speed, transparency, and technical depth, enabling highly efficient cost model development and iteration across the lifecycle of projects ranging from hypersonic systems to space exploration. Galorath's products have enhanced our analytical throughput and confidence while strengthening our overall value proposition.

—Tyler Kunsu, Vice President of Defense & Space Systems at SpaceWorks

SEER[®] by Galorath

The future. Delivered.

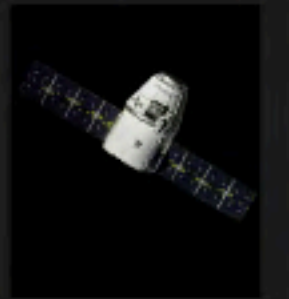
Software

Model software cost, schedule, and risk quickly & accurately.



Space and Aerospace

Support space missions with predictive, explainable estimates.



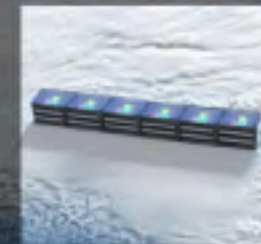
Systems Engineering

Support trade studies, reuse, and lifecycle estimates with clarity.



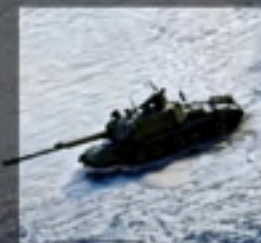
Information Technology

Plan IT initiatives with structured estimates and rapid analysis.



Military

Deliver audit-ready estimates aligned to mission and budget.



Manufacturing

Estimate cost and resources with AI-driven design-to-cost tools.



Hardware

Forecast hardware costs using detailed, validated models.



The SEER Platform: Made for your Market

SEER, Galorath's acclaimed cost optimization and analysis platform, is tailored to provide critical insights for public and private sector companies in vertical markets like manufacturing, digital/IT, hardware and software development, and space exploration.

SEERai enhances the platform with natural interaction, intelligent automation, and AI-guided workflows that scale across industries, roles, and programs.

The versatility and adaptability of SEER models, powered by AI and parametric algorithms, make them suitable for estimating costs and managing projects of varying complexity and scale. Industry-leading companies like Boeing and Lockheed Martin, as well as government agencies like the U.S. Air Force, IRS, and NASA, count on SEER to ensure their projects are planned and completed on time and budget.

→ SEER for Software

→ SEER for IT

→ SEER for Hardware

→ SEER for Manufacturing

→ SEER for Systems Engineering

→ SEER for Space

→ Consulting & Federal Services

Software Development

SEER for Software (SEER-SEM™) simplifies software estimation and project delivery. It supports agile, hybrid, and traditional approaches by combining historical data with advanced modeling logic to produce fast, credible forecasts.

Key Benefits

SEER-SEM enables natural language inputs, reuse modeling, and automated effort distribution across tasks and teams. Its risk analysis tools and reporting features improve visibility, while flexible configurations adapt to varied development needs.

CASE STUDY

TASC: Leveraging SEER-SEM to Measure Internal Software Solutions

As one of the nation's largest privately held third-party benefits administrators, Total Administrative Services Corporation (TASC) was experiencing rapid growth of over 20% yearly. The company's product development capabilities and capacity were growing at a similar rate.

TASC needed to measure productivity improvements within the software development team as they improved their development processes and implemented a new continuous software delivery model.

TASC achieves 82% Internal Rate of Return with SEER-SEM

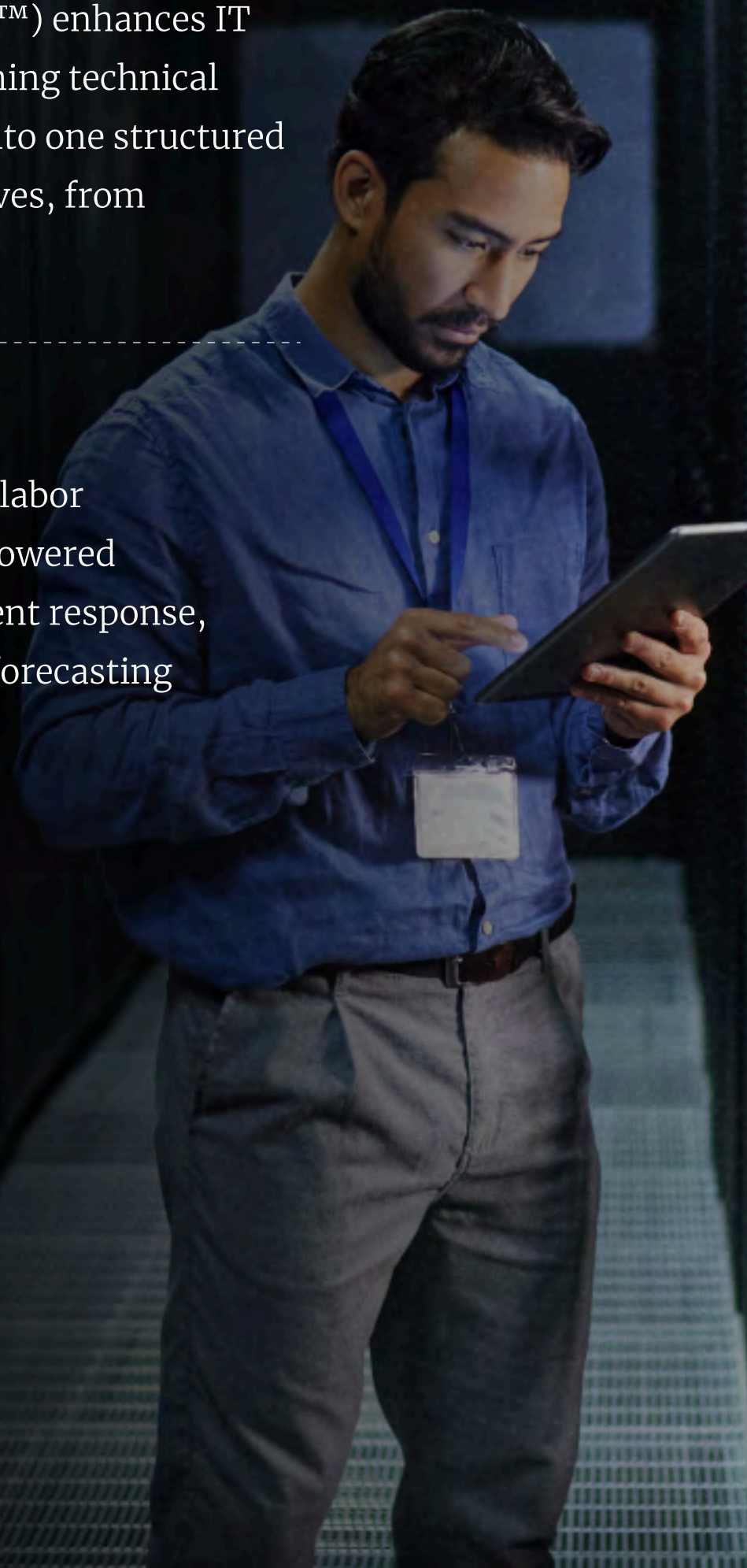
Learn how the early visibility provided by SEER-SEM, allowed the TASC team to change direction & deliver an 82% Internal Rate of Return (IRR). This early visibility enhanced credibility with the leadership team and gave them the confidence to use SEER for vendor evaluations as it contemplates full software module outsourcing for specific projects.

Information Technology

SEER for Information Technology (SEER-IT™) enhances IT project estimation and management by aligning technical scope, resource planning, and cost drivers into one structured platform. It supports a wide range of initiatives, from infrastructure upgrades to cloud migrations.

Key Benefits

SEER-IT provides fast, explainable cost and labor estimates using structured models and AI-powered prompts. Integrated capabilities cover incident response, change management, and work breakdown forecasting across IT lifecycles.



CASE STUDY

Modernize Complex IT Processes with SEER-IT

Faced with oversight by the Treasury Department, GSA (General Services Administration), and Congress, the Internal Revenue Service (IRS) was tasked with providing specific information about their varied and numerous projects and initiatives. Their in-house project office had been using Excel spreadsheets as an estimating tool—but to little effect: cost and schedule overruns persisted.

After an extensive vendor evaluation, the IRS selected SEER-IT. Over the next 12 months, Galorath's on-site consultants helped the IRS develop and integrate processes, establishing a database of historical projects as a reference for future ones.

As the introduction of SEER for Software and SEER for IT took hold, the initial grouping of 12 projects selected for estimation grew to over 70+. For the first time, IRS management had a portfolio view of multiple projects—including proposed projects and those already in development—and was able to make better informed decisions.

Hardware Development

SEER for Hardware (SEER-H™) delivers predictive insights across hardware systems, including mechanical, electrical, and electronic components. The platform helps teams define scope early, compare alternatives, and plan realistic costs.

Key Benefits

SEER-H combines validated algorithms with dynamic inputs to support high-fidelity hardware estimation. Its interactive models simplify decision-making and improve handoffs between design and production teams.

CASE STUDY

Booz Allen Hamilton & the U.S. Navy Achieve Operational Excellence with SEER-H

Due to the lack of early technical and programmatic data and specificity, high-level, early-development-cycle cost estimates are difficult to determine and validate. The Navy asked Booz Allen Hamilton to develop a Business Case Analysis (BCA) of several acquisition options for the Navy's AEHF Terminal Program.



"When you use a parametric model like SEER, you reduce uncertainty by deconstructing the project into smaller, well-defined components; the cost estimate of which can be more readily critiqued by the technical and program management staff,"

—David Bracamonte, Senior Associate, Booz Allen Hamilton

Manufacturing

SEER for Manufacturing (SEER-MFG™) improves speed, transparency, and accuracy in cost estimation for production workflows. It evaluates materials, methods, and labor strategies to support competitive pricing and resource efficiency.

Key Benefits

SEER-MFG supports design-to-cost, should-cost analysis, and integration with CAD models to reduce waste and accelerate planning. AI-guided WBS generation and risk modeling strengthen upstream and downstream decisions.

CASE STUDY

Bell Helicopter's 50% Cost Reduction Triumph: A Success Story with SEER

To set new standards in performance and affordability, Bell Helicopter partnered with Galorath, using SEER-MFG and SEER-H for cost estimation. The goal was to create the Bell 505 Jet Ranger X—a cutting-edge aircraft with a clean sheet design, featuring an integrated glass cockpit and extensive composite materials, all aimed at outperforming its predecessor while staying competitive in the market.

Galorath's expertise and SEER platform were instrumental in guiding Bell Helicopter through the complex challenges of designing and producing a technologically superior helicopter that meets the rigorous demands of today's industry.



"SEER enables detailed discussions on cost reduction options with an actual cause and effect relationship. No tool we have worked with has been nearly as effective as SEER."

—David Smith, Program Manager, Bell Helicopter

Systems Engineering

SEER for Systems Engineering (SEER-SYS™) supports multi-domain programs by integrating requirement, design, and verification logic into one estimation environment. It is purpose-built for aerospace, defense, and complex mission planning.

Key Benefits

SEER-SYS provides trade-space analysis, reuse modeling, and cost alignment with ISO and ANSI standards. Its system-level views support accurate budgeting and milestone accountability.



Space Engineering

SEER for Space (SEER-SPACE™) delivers transparent cost and risk analysis for space systems, from satellite payloads to deep space missions. It models spacecraft components, mission types, and subsystem configurations using historic benchmarks.

Key Benefits

SEER-SPACE models crewed and uncrewed missions with traceable logic and technology readiness alignment. Teams use it to validate assumptions, reduce schedule risk, and support long-term planning.



CASE STUDY

NASA's Structured Cost Estimate Cuts 75% of Time for Mars Rover Project

The first project-level use of structured costing at NASA significantly reduced the time required to generate an independent cost estimate for the Mars Exploration Rover (MER) project. This method completed the estimate in less than 25% of the time needed for the traditional bottoms-up approach.

The structured costing approach used a knowledge base that compared rover hardware and software modules to thousands of real-world projects, resulting in a highly accurate estimate in a fraction of the time.

Harris engineers saved 1,000 hours using the SEER platform

Harris engineers estimate that approximately 1,000 hours were saved using SEER tools. The structured costing approach saved significant time and improved the quality of cost estimates.

Consulting & Federal Services

Galorath Services extends the power of the platform with direct access to experts in estimation, program planning, and risk modeling. Our consultants deliver strategic guidance, process improvement, and custom configuration support.

Key Benefits

Services include AI enablement, SEER model calibration, proposal readiness, and estimation strategy. **Teams in defense, aerospace, and government benefit from mission-aligned execution and fast onboarding.**

CASE STUDY

Raytheon Communication Systems Achieves High Accuracy with Structured Estimating Process

Raytheon Communication Systems, a leader in communication and battle management systems, adopted structured estimating tools like SEER-SEM from Galorath Incorporated to overcome estimating challenges. SEER-SEM uses a wide range of input parameters to generate accurate estimates and allows for historical data calibration, improving accuracy over time. The tool also provides phase distribution of effort and scheduling information, enhancing project oversight.

Raytheon consistently achieves high accuracy in its estimates, with a plus or minus 10% variance. This success is due to comprehensive calibration efforts, comparing model estimates to actual costs and adjusting parameters accordingly.



U.S. AIR FORCE



U.S. Department of Defense



U.S. ARMY

At Galorath, we partner with the world's most innovative companies to achieve unmatched project success.

Partner with us and experience the transformation.

seerinfo@galorath.com