
Systems Engineering Support

Our systems engineers are expert tool users with domain knowledge ranging from aerospace to education and broadband communications. Our data specialists also have SE tool experience including tool customization, data migration and tool to tool transfer.

- “ON DEMAND” ENGINEERING STAFFING
- HARDWARE AND SOFTWARE ARCHITECTURE TO SUPPORT DIVERSE WORK ENVIRONMENTS
- TOOL TO TOOL DATA TRANSFER
- LIVE REQUIREMENTS CAPTURE
- CUSTOMIZED REPORTS
- DATA IMPORT/EXPORT
- SE TOOL APPLICATION ENGINEERS
- DATA MANAGEMENT

Client Profile

Our clients range from local small start-up companies to Government Primes in the UAV and general Aerospace industry as well as international broadcast and transportation giants, local and national government projects. Our support is available for any aspect of your project. For more information about BBI projects, please see our website. If you need immediate staffing to ramp up for a critical evaluation or other milestones, we can be onsite in 24 hours or provide immediate offsite support via remote collaboration tools. Contact us when you need process implementation and evaluation support, just-in-time skills building or a pre-implementation workshop. We also offer a free requirements management evaluation.

Tool Support

We utilize; just in time skills sessions, remote on demand support, skill building, problem oriented work shops, tool use and needs assessments to benefit a company’s tool adoption process and decrease the learning curve. We support implementation of formats and frameworks including DoD-AF.

We also offer a variety of tool expertise utilizing relationships with vendors, on the job training, and our internal BBI training program. We support the migration of data between tools. Our models facilitate just-in-time training to reduce the burden and increase the benefits of engineering and program management tool use. Tools we have supported include:

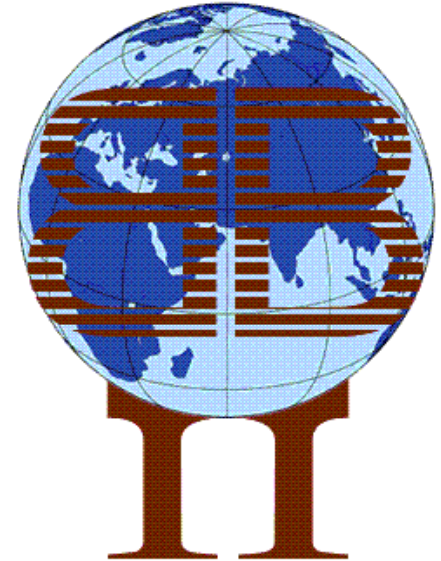
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BBI International



CRADLE TO GRAVE
MODEL- BASED
ENGINEERING
PROGRAM SUPPORT

About Us

A certified Small Business and woman-owned business (DBE). BBII provides experts in Systems Engineering and Architecture. We have developed an Information Model approach to integrating program functions. Customers include Bombardier, Northrop Grumman, NASA, SAIC, Sikorsky, Boeing, Pratt and Whitney the State of Texas, and ViaSat and others. BBII has maintained partnerships with a variety of tool vendors and can provide a team to identify the model, modify the tools, write instructions, mentor and train staff, develop data, provide systems engineers, systems architects and engineering support.

Claudia Rose, President

Ms. Rose is the founder of BBII, a Systems Engineering Consulting and Support Company. She has presented papers on Systems Engineering tools and processes at INCOSE, NDIA AFCEA and aEA conferences and others. She has served on boards of directors that include INCOSE San Diego, NDIA small business forum, AUVSI and the La Jolla Cove Swim Club. She holds an MAIT (Master International Transactions) from George Mason University, with studies at Tribhuvan University Kathmandu, and a BA from the University of Wisconsin-Madison. Her research has focused on creating order out of chaos. She has consulted on Health and Development projects at The World Bank and USAID, presented papers on the health development policy process, created databases for canning companies and personal trainers, before bringing the special organization credo of BBII to the world of systems engineering.

Information Flow Modeling

BBII has extensive experience in the development of Information Models, key to the successful institutionalization of processes. The information (and its flow through the processes) are captured in a model independent of the tools. This method conducts the development of a tool-based infrastructure which ensures a processes, and guides the development of inter-

smooth information flow within and between processes, and guides the development of interfaces between different tools within the chosen suite. This tool based workflow ensures that processes are followed, and the emphasis of processing training shifts from de-tailed procedures to process awareness.

Program Management

Our integrated approach to Program Management ensures that management plans are informed by the capabilities of the engineering departments and the systems engineering process. Our information gathering and data migration services are enhanced by our ability to elicit requirements and represent them in management tools. In addition we can handle large data flows to correctly capture or change the program plan. We can also assist in embedding mature practices in the project development process.

- **LIVE SCHEDULING**
- **TOOL SUPPORT**
- **DATA CAPTURE FROM EMAIL AND TELECOM**
- **DATA INTEGRATION AND MIGRATION**
- **SCHEDULES AND MILESTONES**

Capability and Maturity Assessments

Staff experience with assessments such as CMMI level 5 and DFSS have lead to the creation of assessment support tools. These tools include a collection of templates and processes for information flow modeling and data capture which streamline the preparation of process, practice manuals, and data tracking. We emphasize integrating process improvements (and mature practices) into daily activities, facilitating this with tool customizations. Our process supports the company that wants to improve program and product development as well as a company's marketability.

DFSS • CMM • CMMI • ISO

Specialized Skill Building

BBII offers skill building workshops allowing clients to fully utilize a variety of SE tools. Our sessions are tailored to the client skill levels. We have trained highly skilled technicians and non-engineers to use SE tools in a matter of hours. Lessons learned are directly applicable to the job as workshops are custom tailored to client needs in terms of processes and procedures. We offer experts tool applications to problem solve that are designed to address specific needs. We also offer immediate training support for problems that arise on the job.

- **INTEGRATED PROCESS TRAINING**
- **REQUIREMENTS TRACEABILITY**
- **TRAINING FOR NOVICES AND NON-ENGINEERS**
- **REMOTE TRAINING**

Specialized Consulting

Our consultants have years of experience in their domains and in SE practices. They have worked with tools, tool vendors and customers to create collaborative working environments. They consult throughout the project cycle.

- **PROGRAM PLANNING**
- **SYSTEMS ARCHITECTURE**
- **ENTERPRISE ENGINEERING**
- **REQUIREMENTS ENGINEERING**
- **REMOTE COLLABORATION AND NETWORKING**
- **MODELING AND SIMULATION**
- **RISK ANALYSIS**
- **SOFTWARE QUALITY**
- **UAVs • C4ISR • DTV • BROADBAND**



**BBII
INTERNATIONAL**