

www.fathom4.com  
A Service-Disabled Veteran-Owned Small Business

Persistent ISR  
System Engineering  
and Development



# Fathom 4

## Capabilities

**Fathom 4** brings significant engineering and Marine Corp operational experience that we can apply to any systems engineering effort, yielding cost savings for the client and improved designs and functionality for the warfighter.

Some practical applications include simultaneous efforts providing systems engineering for the next generation of Marine Corp unattended ground sensors while sustaining and improving the existing, currently fielded unattended ground sensor systems.



This ensures the client can field effective and secure systems and continue to provide the warfighter with current generation functionality, while planning, designing and building the next generation capabilities which will provide our Marines with the latest technologies and advanced capabilities.

Throughout this process, the Fathom 4 team balances budgetary and schedule constraints with fielded capabilities to plot the most efficient course of action, with the highest probability of operational success for the warfighter and carries that forward to our customers.

## Cost and Time Saving Benefits

Our on-site team integrates into the client team, carefully and deliberately conducting analysis of the project objectives and the process by which to achieve them:

- 🔗 Reduce prototype to operational implementation time-frame through mature engineering processes
- 🔗 Reduce waste through metrics gathering and targeted, meaningful process optimization
- 🔗 Co-locates with existing team to improve communication to ensure rapid feedback and troubleshooting



## The Fathom 4 Team

Our Systems Engineering and SW development team consists of degreed engineers, SW developers, Testers, senior project managers and MBA graduates with over 30 years of warfighting experience. In addition to these resources, the Fathom 4 has embedded Configuration Management technical expertise and is capable of conducting Configuration Management across the Hardware and Software spectrum of Systems Engineering. Our on-site team integrates directly into the client team and carefully and deliberately conducts analysis of the objectives and the process by which to achieve them. The Fathom 4 team:

- Is Dedicated, Experienced, and Independent
- Integrates into current processes
- Rapidly and efficiently locates projects urgent needs and works to ensure they are fulfilled
- Determines overlaps and or shortfalls in current capabilities, and ensures leveled and targeted support
- Uses cutting edge technologies and processes to enable rapid design and prototyping
- Embraces CM processes to ensure traceability and repeatability throughout design and fielding

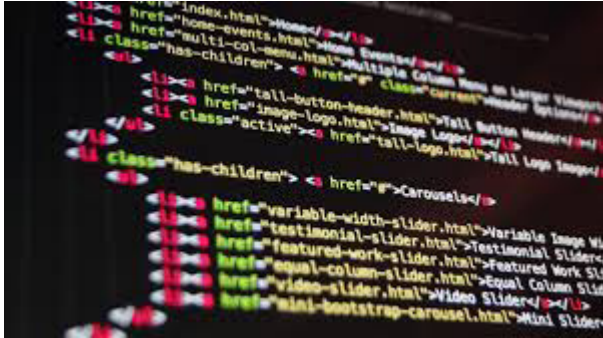
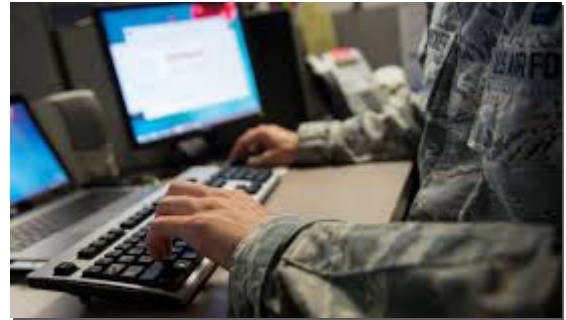
## Process

### Software Development

Develop code in multiple languages in an Agile development environment

Track Trouble Reports (TRs) and bugs associated with ongoing development and fielded applications

Assist in the generation of hardware requirements and the selection of next generation hardware



### Software Integration

Resolve cross application bugs and issues to provide a stable software baseline to the warfighter

Ensure custom GOTs applications interface with existing required COTS applications

Ensure proper Configuration Management processes are applied to and maintained regarding all newly developed baselines and applications

Resolve Trouble Reports associated with multiple applications and multiple hardware items

### Testing

Assist with the development of test procedures to ensure requirements are met and verified

Troubleshoot and document issues within the software baselines providing feedback to the team

Generate trouble reports and provide rapid feedback to software developers and integrators



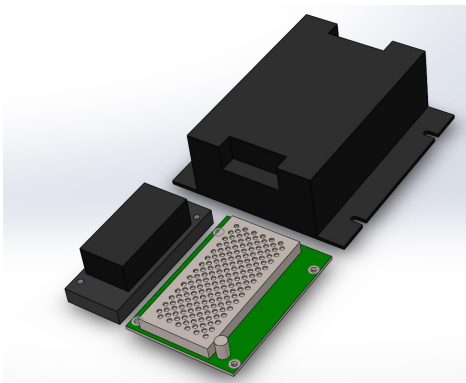
### System Engineering and Hardware Design

Drive numerous internal teams' schedules and provide feedback regarding vendor delivery to ensure the broader team meets deadlines and milestones, enabling faster time to system availability

Work with third party and other agencies to ensure proper system operation and fit

Integrate with existing personnel and processes to quickly and efficiently provide engineering design support

Support compressed timelines with rapid design and prototyping capability and implementation of approved alternate solutions



**We Believe in People**  
Our Troops. Our Clients. Our Team.

**Fathom 4** has a simple mission: **Engineering Freedom** - for our country, our clients, and our employees. We delight our DoD clients by providing the best value engineering services. Fathom 4 employees are critical members of the DoD programs we support, by being highly professional, competent, industrious, and ethical.

We are a service-disabled veteran-owned small business and an employee-centric company. Fathom 4 was founded on the belief that if we take care of our employees to the best of our ability, then they will do the same for our clients.

672 Marina Drive, Suite 202, Charleston, SC 29492 - 843-603-1149 - [Fathom4.com](http://Fathom4.com)  
DUNS: 078459585 Cage: 6SG73 NAICS: 541330, 541990, 541512