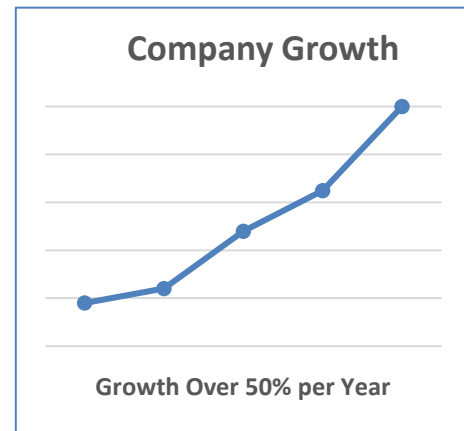


## **FTI Capabilities, Decision Analysis Technologies and Agile Contracting Solutions**

### **Capabilities**

- **In business for over 30 years** – helping the Department of Defense and other government agencies solve hard problems and implement informed and wise decisions
- Analysis methods, technologies and contracting solutions are used to support the Office of the Secretary of Defense, Air Force, Army, Navy, Marine Corps, the Missile Defense Agency (MDA), Defense Advanced Research Projects Agency (DARPA) and the Department of Energy (DOE)

*We have focused our technologies on customer challenges by providing decision analysis, support services and agile Sole Source contracting solutions with our teammates*



### **FTI's Decision Analysis Capabilities Support a Broad Scope of Work**

- |                                 |   |
|---------------------------------|---|
| ○ Product Lifecycle Management  | ○ Wargaming                               |
| ○ Affordability Analysis        | ○ Metric Processing                       |
| ○ Business Case Analysis        | ○ Sensor Calibration                      |
| ○ Acquisition Management        | ○ Fleet Energy Optimization               |
| ○ Engineering                   | ○ Modeling and Simulation                 |
| ○ Maintenance                   | ○ Data Exploitation                       |
| ○ Logistics Support/Analysis    | ○ System Health Monitoring and Management |
| ○ Test and Evaluation           | ○ Data Processing                         |
| ○ Cost Analysis                 | ○ Pattern Recognition                     |
| ○ Program Management            | ○ Space Asset Modeling and Simulation     |
| ○ Training and Training Systems | ○ Cyber and IT                            |

### **Small Business Innovation Research (SBIR) Program fostered FTI's growth**

- **SBIR is a competitive program** – Established by Congress in 1982 to encourage small businesses
  - **Phase I** – Determines the scientific and technical merit and feasibility of a proposed effort
  - **Phase II** – Typically a demonstration phase in which prototypes are built and tested
  - FTI has over **150 SBIR Phase I and II awards** and they support a very broad scope of work
  - **Phase III** – Work that **derives from, extends, or completes a SBIR Phase I or II effort**

### **SBIR Phase III contracts offer flexible contracts for our customers**

- **No Small Business (SB) prime 51% workshare requirements** – Phase IIIs are not SB set-asides
- **Competition Credit is given while still doing Sole Source contracting** because the competition for SBIR Phase I and II awards satisfies competition requirements for the Phase III contract
- **Any Federal Agency** can issue a SBIR Phase III contract
- **May be used to acquire a wide range of solutions for diverse requirements**
  - Products, Production, Services, Research, Research and Development, Studies & Analysis
  - **Services and Materials** can be acquired on the same contract
- **Any teammates** including large and small companies, Original Equipment Manufacturers (OEM), Universities and Federally Funded Research and Development Centers (FFRDCs)
- **All colors of Federal funds can be used** (except SBIR funds)
- **All contracting options** are possible; Cost Plus, Time and Materials, Firm Fixed Price, etc.
- **Any security level** can be supported including contracts that are completely classified

### ***FTI Developed Decision Analysis Technologies***

- **Readiness Assessment Engine (RAE)** – Applies an efficient, cost effective beginning-to-end process to plan, perform, and document Multiple Readiness Assessments types
- **Integrated Cost As an Independent Variable® (I-CAIV®)** – Prioritizes readiness initiatives and accomplishes performance vs cost tradeoffs to help make informed decisions
- **Integrated Cost Estimation® (ICE)** – Estimates Return on Investment (ROI) of future systems, modifications, enhancements, and the cost difference between alternatives
- **Integrated Sustainment Wargaming Analysis Toolkit (ISWAT)** – Logistics model of sustainment process and resources for current and future weapon systems to support wargaming and analysis
- **Extensible Load-Adaptive Processing Service (ELAPS®)** – Increases the efficiency of high volume data processing by addressing the core requirements of automation, scalability, and extensibility
- **Metric Progress Analysis Engine (MPAE)** – Identifies network performance metrics and track trends and related changes associated with network projects and enhancements
- **Linking Outputs to Outcomes Model (LOOM)** – Provides a multi-dimensional virtual canvas to support full-cycle assessment, planning, monitoring and evaluation, of complex initiatives
- **NormNet® Prognostic Health Management (PHM)** – Provides a patented technology for a PHM capability, allows users to detect abnormalities in complex systems in advance of actual failure
- **Logistics Composite Model Analysis Tool Kit (LCOM ATK)** – Investigates reliability, maintainability, availability, and logistics suitability factors to support planning and trade studies
- **Integrated Sensor Analysis Tool (I-SAT®)** – Designed for characterization, calibration, and performance evaluation of large electro-optical datasets and active test support

### **For detailed guides of how to conduct SBIR Phase III contracting see (SBTC.ORG):**

- The Air Force's, [2016 SBIR STTR Phase III Desk Reference](#) or The Navy's, [SBIR and STTR Phase III Guidebook for Program Managers, Contracting Officers and Small Business Professionals](#)

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