

The background of the slide is a deep space scene. It features a dark blue and black sky filled with numerous bright stars of varying colors, including blue, white, and yellow. A prominent blue and purple nebula or galaxy structure is visible in the upper left quadrant. In the lower right, a large, reddish-brown planet, likely Mars, is partially visible, showing its textured surface and some atmospheric haze. The overall lighting is soft, highlighting the celestial bodies against the dark void of space.

**NASA/MARSHALL SPACE  
FLIGHT CENTER**

**JOINT COUNSELING SESSION**

**Enterprise Technology  
Corporation of Virginia  
June 14, 2018**

# Background

|                      |  |                           |  |
|----------------------|--|---------------------------|--|
| <b>COMPANY NAME:</b> | <b>Enterprise Technology Corporation of Virginia</b> | <b>ADDRESS:</b>           | <b>201 Jefferson St NW, STE 417<br/>Huntsville, AL 35801</b> |
| <b>OWNER:</b>        | Tim Cotter   | <b>CONTACT NAME:</b>      | Tim Cotter   |
| <b>EMAIL:</b>        | Tcotter@ETCorpVA.com                                 | <b>YEARS IN BUSINESS:</b> | 27   |
| <b>CAGE CODE:</b>    | 1BMN8  | <b>DUNS NUMBER:</b>       | 869206847  |
| <b>WEB SITE:</b>     | www.ETCorpVA.com                                     | <b>NAICS CODES:</b>       | 541611, 541330, 541614,<br>541519, 541715 & 561210           |

# Business Size & Classifications

|                         |                 |
|-------------------------|-----------------|
| <b>TOTAL EMPLOYEES:</b> | <b>5</b>        |
| <b>AVERAGE SALES:</b>   | <b>&lt;\$1M</b> |

| <b>CLASSIFICATIONS (select from list below):</b> | <b>Yes/No</b> |
|--|---------------|
| <b>SMALL BUSINESS</b>                            | Yes           |
| <b>SMALL DISADVANTAGED BUSINESS</b>              | No            |
| <b>NATIVE AMERICAN-OWNED</b>                     | No            |
| <b>ALASKAN NATIVE CORPORATION</b>                | No            |
| <b>WOMEN OWNED</b>                               | No            |
| <b>ECONOMICALLY DISADVANTAGED WOMEN OWNED</b>    | No            |
| <b>VETERAN-OWNED</b>                             | No            |
| <b>SERVICE DISABLED VETERAN OWNED</b>            | No            |
| <b>HUBZONE CERTIFIED</b>                         | Yes           |
| <b>8(A) CERTIFIED</b>                            | No            |
| <b>8(A) EXPIRATION DATE (if applicable)</b>      | No            |



# Quality Systems

- Subject Matter Expertise (SME) and System Engineering and Technical Assistance (SETA) Capability with Top Secret Security Clearances
- 100% Full-Time Employees hold Advanced Engineering and Scientific Degrees with over a Century of Combined Experience
- Knowledge of Major Weapon System Development and Testing
- 100% Retention Rate
- OCI Compliance Focus
- DCAA Approved Accounting System
- DAU Program, Test and System Engineering Levels
- Capability Maturity Model (CMM) Experience
- Licensed in Alabama, Colorado, Maryland and Tennessee

# Skills & Processes

- Missile Defense Flight- and Ground-Test Communications
  - Live real-time switching of AV, especially during missile flight
  - Long lead-time upgrade and configuration planning
  - Coordinating and de-conflicting event requirements
  - Coordinating audio and video within Missile Defense Integration and Operations Center (MDIOC) to support:
    - BMDS Lab for Analysis and Data Evaluation (BLADE), Von Braun 3 Product Integration Cells (PICs), Advanced Research Center (ARC)
    - To include GBI Fire Control (GFC) and C2BMC both real-world and lab
  - Trouble-tracing of audio and video
  - Define requirements for the Ground Test Network (GTN), System Interface Units (SUI), and Continuous Integration/Continuous Analysis & Test (CI/CAT)
  - Develop strategies for a more efficient process to fund the required hardware/software/licenses
- Facility Management
  - Advanced Research Center (ARC) for HWIL testing of the Ballistic Missile Defense System (BMDS), provided support for the development, integration, testing, and analysis to the Elements (interceptor, sensor, warfighter) within the BMDS
- Coordination among multiple users
  - Daily – MDA/EET, MDA/DE, MDA/BCT, Missile Defense National Team
  - Event – MDA/DTD, MDA/DTX, MDA/OTA, MDA/BCA, MDA/GMT

# Skills & Processes (Cont.)

- Propulsion Research
  - National Science Foundation (NSF) grant for advanced plasma technology research for plasma engine design by conducting high fidelity modeling of fusion and fission targets to determine which designs can become supercritical for high yield
- Space Systems
  - Radiation effects on electronics, simulation, measuring and modeling
  - Space environment simulation of full-scale space systems for low temperature, long-duration exposure
  - Hardware-In-the-Loop (HWIL) vacuum cryogenic chamber operations for evaluating infrared sensors in simulation intercept missions
  - Electric propulsion test operations for long-duration runs
  - Hypersonic light gas guns and simulation of foam debris hitting Space Shuttle surfaces
  - Re-entry testing of materials in high-enthalpy aeroheating environments
- Coordination among multiple users
  - Air Force, Test Ranges (Arnold, Eglin, Edwards), AFRL
  - Army, AMRDEC, WSMR
  - Navy, NRL, SPAWAR
  - MDA
  - DARPA, UAH, JHU, SDL
  - NASA, Kennedy, Johnson

# Customers

- Torch Technologies, CFDRRC and MTSI to provide Subject Matter Expert (SME) and System Engineering and Technical Assistance (SETA) support to the Missile Defense Agency (MDA) Software Engineering (ESI) & Systems Engineering (DE) Directorates and the US Army Aviation and Missile Research, Development, and Engineering Center (AMRDEC) of the Research, Development, and Engineering Command for flight, ground and Hardware-in-the-Loop (HWIL) test operations of major weapon systems.
- AECOM to provide facility management and operations of the National Institutes of Standards and Technology (NIST) for calibration of the MDA EKV and SM-3 seekers
- L3 Corporation to develop classified plans for training deployed Army troops in NATO countries with improved capabilities.
- Army Technical Evaluation Command (ATEC) through the Aberdeen Proving Grounds (APG) where we developed a database to show status of equipment and systems development and field testing
- PRC to provide the ATEC with technology to assure battle scenes were projected to Commanders for troop and equipment movements in training exercises at Fort Hood, Texas.
- Northrop Grumman TASC, developed Demonstration Plans (DP) for an advanced technology Air Mobility Command's multi-media (voice, image, data, and video) capability to their airborne, globally-deployed fleet with headquarters reach-back for the U.S. Air Force.
- Northrop Grumman TASC, to design, develop and implement a database system to identify all purchased Government Furnished Equipment over \$350M
- Applied Physics Laboratory (Johns Hopkins University) to develop Integrated Test Plans for the Brilliant Pebbles Program and overseeing development of Attitude Control Systems for space based Kill Vehicles.
- ASG of Silver Spring, MD to develop plans for testing the High Endo-atmospheric Defense Interceptor (HEDI) for proof of principle of the Strategic Defense Initiative (SDI)

# Principle Point(s) of Contact

| <b>NAME</b>       | <b>TITLE</b> | <b>PHONE</b>   | <b>EMAIL</b>         |
|-------------------|--------------|----------------|----------------------|
| <b>Tim Cotter</b> | President    | (931) 273-0360 | TCotter@ETCorpVA.com |