



## Capabilities Statement

Dignitas Technologies, established in 2004, is a small business dedicated to understanding customer Modeling, Simulation, Training (MS&T) needs and providing specialized, architecture centric, agile solutions. We specialize in system and software analysis, design, development, testing, and fielding of MS&T and mission rehearsal applications.

### Core Competencies

**Synthetic Environments** Megacities, Dense Urban Environments, and Geographic

Information System (GIS) modeling. Geospatial database generation, 3D visual models, and 2D/3D visualization tool. Computer Generated Forces, Pattern of Life entities, and aggregate level solutions. Physics based dynamic terrain and weather representations.

**Mixed Reality Simulations** Portable, low cost virtual and augmented reality simulators integrating different input modalities. Training and mission rehearsal applications. Mobile simulation apps for iOS and Android.

**Machine Learning/Artificial Intelligence/Adaptive Learning** ML/AI capabilities in computer vision and image processing, action recognition and still images. Data mining and discovery. Mature, adaptable intelligent tutoring system interoperable with various simulation and training applications. Courseware development includes analysis and development of material for instructor led classes and self directed interactive multimedia instruction (IMI) 1-4.

**Cyber Training** Cyber Training solutions for Live, Virtual, Constructive, and Gaming (LVCG) and cyber range.

**LVCG Interoperability** Interoperable solutions between LVCG training environments and Mission Command Systems. LVCG terrain database correlation.

**Information Services** Information technology systems integration and infrastructure connectivity. Virtualization, cloud computing, and data center support. Network optimization and help desk operations. Cyber security protection and cyber range operations. Work from home solutions.

### Differentiators

- Small business innovation, speed, and flexibility combined with experienced leadership and competitive rates
- CMMI Level 3 appraised processes, agile DevOps practices, and Fortune 500 management experience
- Key successes in both research and production programs, facilitating research to production technology transition
- Proficient with the development and management of large complex training systems and architectures

### Past Performance Highlights

- Contract vehicle types: Fixed Price, Cost Plus, T&M, OTAs, BAAs, SBIRs (Commercialization Achievement Index of 95%)
  - **Army** CCTT, AVCATT, CDT, JLCCTC, OneSAF, SE Core, CPM Next, LVC IA, DIL, Gunnery Training Systems
  - **Air Force** F35
  - **Navy** LCS, ERDE, MRTS, ACTS, Navy Surface Curriculum Modernization
  - **Marines** Electronic & Communication Svc (ECS)

### POCs:

**Susan Fernandez**

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### NAICS Codes

**334310 541512 541519**  
**541330 541513 541715**  
**541511 518210**

### Company Data

**2021 Revenue:** \$30M

**Number of employees:** 190

**DUNS:** 17 596 6675

**CAGE:** 35EB7

**ECS:** OASIS SB P1 & P3

SBIR Phase III (Commercialization)

Seaport NxG STES (ARL)

### CSM (R) Robert Fortenberry

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Courseware Development



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