



# Corporate Services & Solutions

A leader in IT modernization, C5ISR, science and engineering, and mission services

01

# Corporate Overview

SEV1TECH



# Sev1Tech At-a-Glance

## Who We Are

We are a large-scale modernization and digital transformation partner helping government and commercial organizations leverage IT, C5ISR, science and engineering to fully harness the power of advanced capabilities and professional services across a broad spectrum of missions and domains.

## What We Do

We build advanced tech, science and engineering solutions, align IT services, processes and resources and drive digital transformation to meet emerging and evolving requirements.

## How Are We Different

Mission agility is the foundation of everything we do at Sev1Tech. We embrace the ever-changing needs of our customers as an opportunity to innovate at every stage of service, with technical prowess and flexibility to overcome every challenge and keep the mission moving.





# Federal & Commercial Customers

## Department of Homeland Security

U.S. Citizenship & Immigration Services (USCIS)  
U.S. Customs & Border Protection (CBP)  
U.S. Immigration & Customs Enforcement (ICE)  
U.S. Coast Guard (USCG)

## Federal Civilian Agencies

Health and Human Services (HHS)  
U.S. Patent and Trademark Office (USPTO)

## Commercial Agencies

Maxar  
Sounds True  
Radiant Solutions  
World Challenge  
Ball Aerospace  
United Launch Alliance  
HyspeclQ

## Department of Defense

U.S. Navy

- Naval Information Warfare Center (NIWC) (Pacific & Atlantic)
- U.S. Marine Corp (USMC)
- CNMOC

U.S. Army

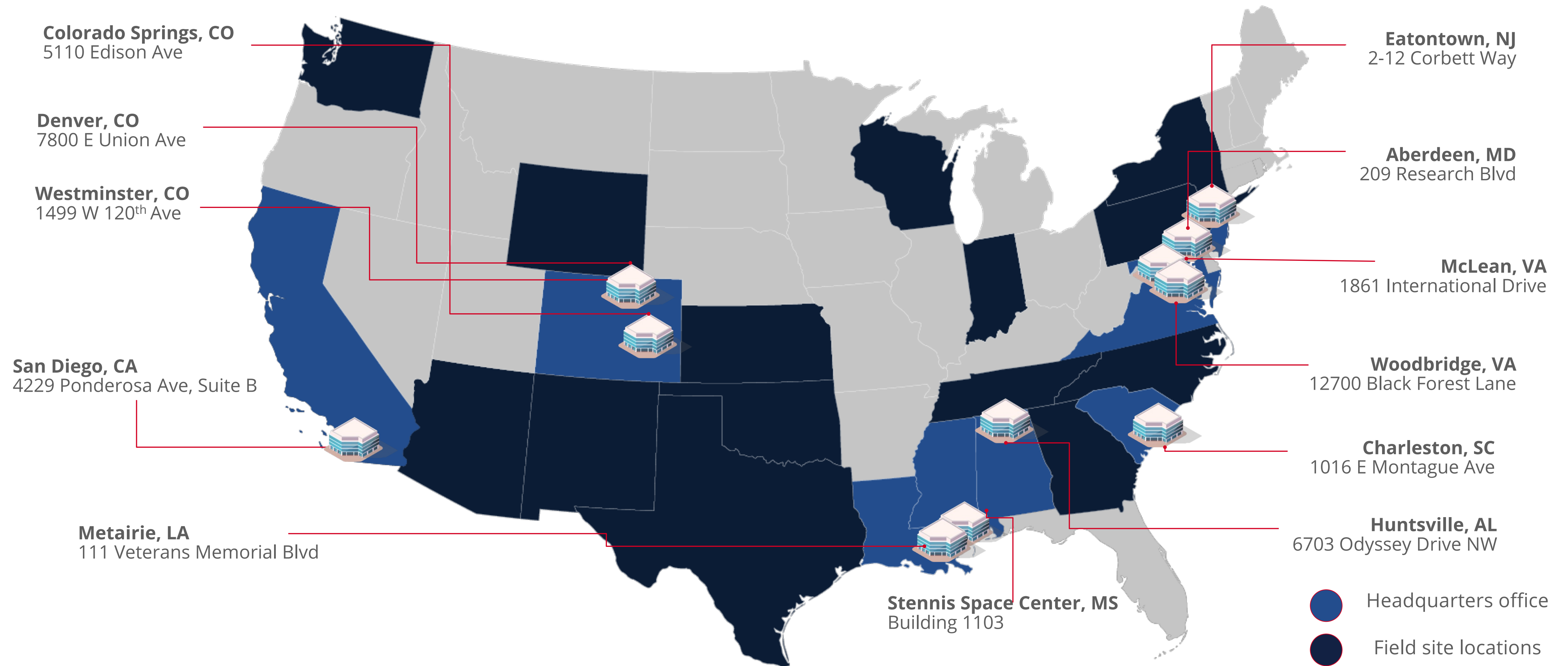
- PEO Intelligence Electronic Warfare & Sensors (PEO IEW&S)
- PEO Command Control Communication – Tactical (PEO C3T)
- Network Enterprise Technology Command (NETCOM)
- G3/5/7

U.S. Space Force (USSF)  
U.S. Air Force (USAF)  
Army National Guard (ARNG)  
Defense Logistics Agency (DLA)  
Missile Defense Agency (MDA)





# Our Offices & OCONUS Locations



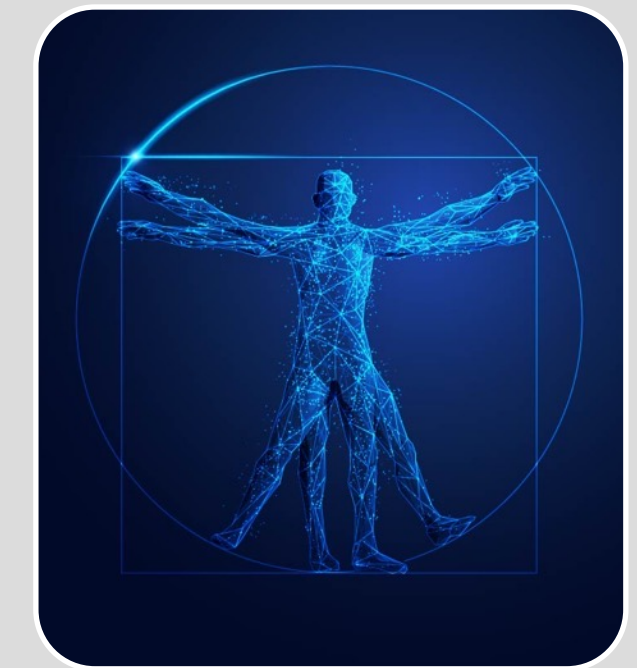
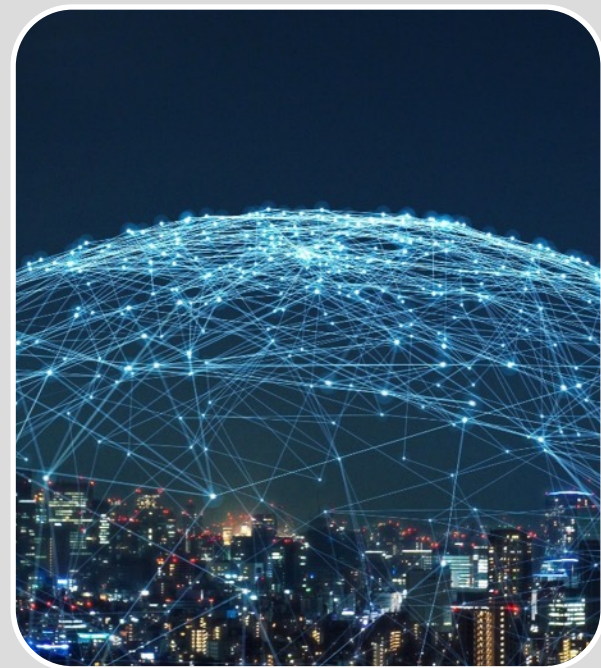
Sev1Tech has 10 major headquarters offices in Virginia, Maryland, California, South Carolina, Colorado, New Jersey, Alabama, Louisiana and Mississippi. We have field and project sites in more than 20 CONUS states as well as OCONUS locations including Alaska, Hawaii, Korea, United Kingdom, Germany, Kuwait, Iraq, Afghanistan, Bahrain, and Qatar.

# Capabilities Portfolio

SEV1TECH



# Digital Transformation Services



## IT Modernization

- Enterprise Architecture
- Network Engineering & Operations
- Software-Defined networks / Network Function Virtualization
- Voice Services
- Data center evolution
- NextGen IT

## Cloud

- Cloud Strategy
- Application Modernization & Migration
- Infrastructure Transformation
- Cloud Managed Services
- Cloud Application Development

## DevSecOps

- Application Development
- Operational Automation
- Enterprise DevSecOps Platforms
- DevSecOps for IoT & Embedded Systems
- Security & Quality Enforcement

## Security & Cyber Protection

- Security Architecture Engineering
- Security Operations
- Assessment and Mitigation
- CMMC Certification & Compliance
- Compliance & ATO as a Service

## AI/ML & Data Analytics

- Artificial Intelligence / Machine Learning Solutions
- Explainable AI
- Data-enabled Automation
- Data Visualization
- Predictive Insights

## DataOps

- Data Solutions
- Enterprise Data Governance & Security
- Data Collaborations
- Data Enablement

## Human-Centered Design

- Application Design
- Service Design
- Product Design
- User Experience Design
- Customer Experience Design



# Mission & Management Services



## C5ISR

- Enterprise Support
- Wired & Wireless Comms
- Tactical & Strategic Networks
- AI Logistics
- Geospatial Information Systems (GIS)

## Professional Services

- Program Management
- Management Consulting
- Logistics
- Training
- Systems Engineering & Technical Assistance (SETA)

## Space Operations

- Systems Engineering & Integration
- Training & Readiness
- Mission & Program Support

## Aerospace Science & Engineering

- Aerospace & Propulsion Systems Engineering
- Additive & In-Space Manufacturing
- Metallurgy & Specialty Materials
- Radiation & Thermal Shielding
- Digital, Electrical, & Structural Engineering & Analysis
- Ground Support Equipment
- DevSecOps for IoT & Embedded Systems

## Force Protection

- Automated Physical Security (Gating)
- Electronic Site Monitoring
- Electronic Site Access Control



# Verification Modernization & Risk and Fraud Data System Modernization DevSecOps

Department of Homeland Security U.S. Citizen and Immigration Services (USCIS)

## Business Problem

- Legacy System with expensive maintenance requirements and an inability to share critical data with other organizations.

## Approach

- Strangler Approach – Replacing the system one feature at a time until legacy system can be retired.
- DevSecOps Development Process – Using agile practices focusing on security, cloud automation and containerization
- Microservices Architecture – Building the system from a series of small lightweight services

## Results

- Team Managed Deployment – Compile to deploy time - hours
  - Automated build, integrate, test, secure, deploy and rollback (if necessary)
  - Secure approved automation pipeline (code quality metrics, test coverage, security/STIG scanning, 508 validation)
  - Security compliance (continuous monitoring)
- Shared Data
  - Exposed over 21 microservice APIs in 6 mo
  - Integrated data from 25 other systems
- Cloud Deployment
  - Containerization (2 Clusters / 10 Namespaces)
  - Automated provisioning, deployment, configuration, monitoring



# Marine Corps Business Operations Support System (MCBOSS)

Naval Information Warfare Command (NIWC) Atlantic

## Business Problem

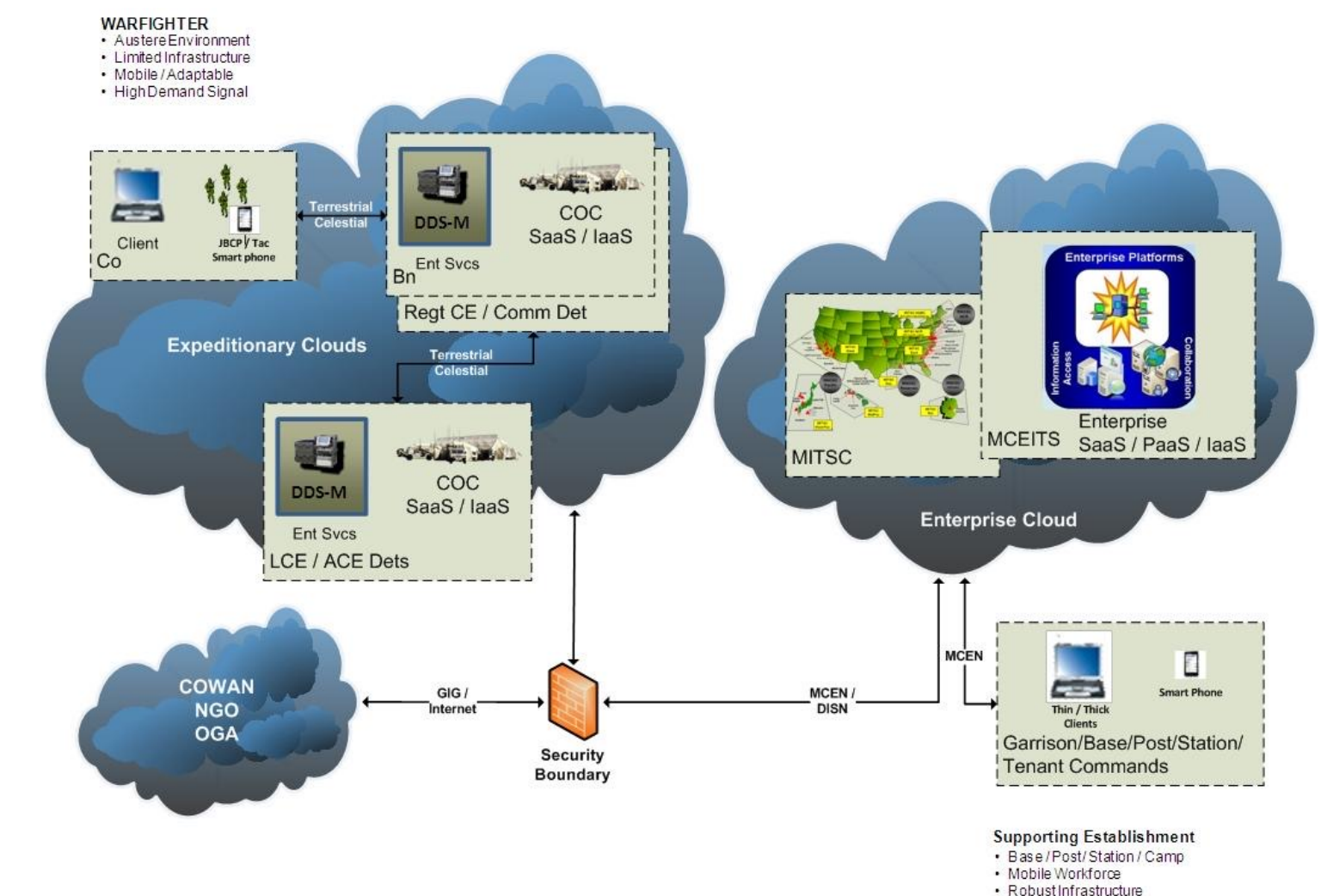
- Need to modernize and transition to cloud USMC applications
- Need to accelerate the development and delivery of business automation solutions
- Slow and difficult application security process including ATO, RMF, monitoring, etc.

## Approach

- Designed, developed, deployed and obtained ATO for USMC PaaS for “Software Factories”
  - Provides an accredited platforms on which USMC apps can be hosted and sustained.
  - Enables rapid RMF for USMC application modernization efforts

## Results

- Pre-accredited shared platforms for app development
- Standardized processes and environments
- Approved DevSecOps processes and pipelines
- Easy path for system owners to adopt and meet security requirements
- 23 Modernized Programs 8 in queue





# Digital Thread & Digital Twin

## NASA, LSU & Louisiana Partnership

### Business Problem

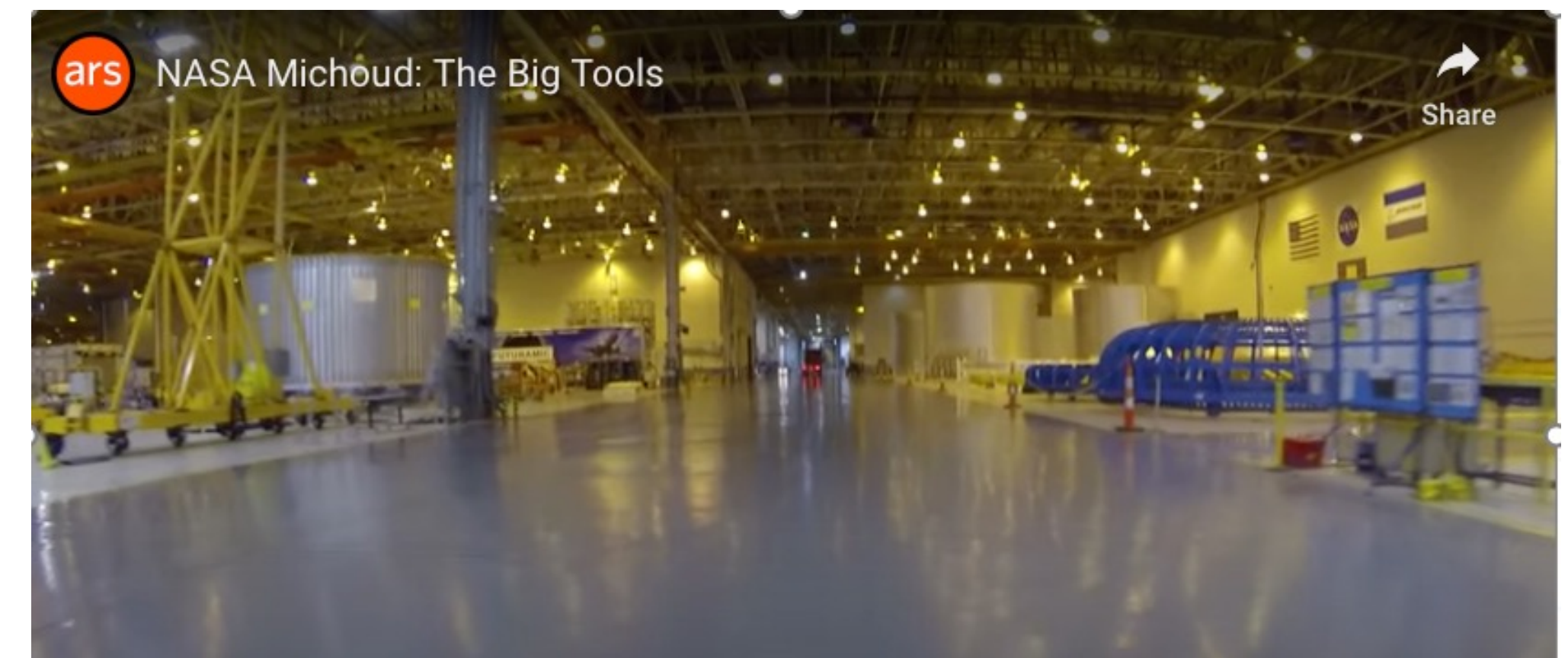
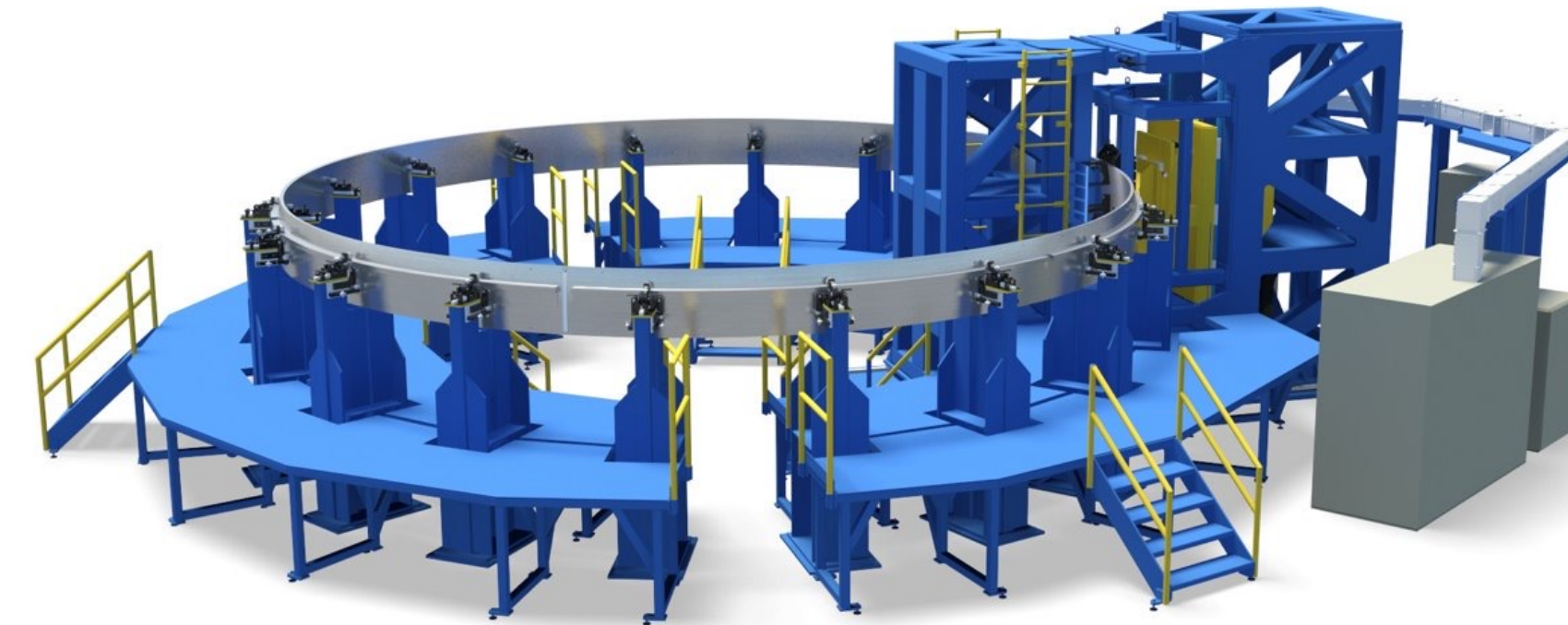
- Slow pace of engineering design
- Difficult and complex facility design (MAF)
- Optimization of manufacturing processes

### Approach

- Vendor Agnostic Digital Engineering Architecture
- Digital Thread
  - Data driven architecture linking information across the product lifecycle.
- Digital Twin
  - Laser scanning
  - Interactive 3D factory model with overlays
- AR/VR
  - Experience / analyze facility layout before moving equipment
  - Overlay additional data streams within the 3D environment
    - Pressure, RPM, Voltage, Temperature, etc.

### Results

- Enhanced Product Quality
- Increased Production Rate
- Optimized Facility Design





# Tactical Radios/Networks

## U.S. Army C3T

### Business Problem

- New Technology requires Fielding Support
  - Integration
  - Training
- Complex logistics (OCONUS, Austere environments)

### Approach

- Developed Rapid Integration, Fielding, Logistics and Engineering (RIFLE) proprietary logistics process
- Detailed planning, analyses, and technical requirements,
- Development of recommendations and solutions, across 18 major C5ISR programs and 40+ technologies and systems

### Results

- Fielded over 845,000 tactical radios and associated networking equipment, reducing the fielding cycle from 18-24 months to less than 6 months; trained over 22,000 Warfighters on TR equipment/systems
- Saved over \$42 million by improving testing and maintenance processes
- Fielded over 14,400 major end items and trained over 18,700 Warfighters
- Implemented a streamlined stakeholder review process for a \$440 million SATCOM program, resulting in delivered 6-12 months ahead of schedule
- Managed 151 FTEs and over \$1 billion in Government-furnished equipment





# MeshOne-T

## United States Space Force

### Business Problem

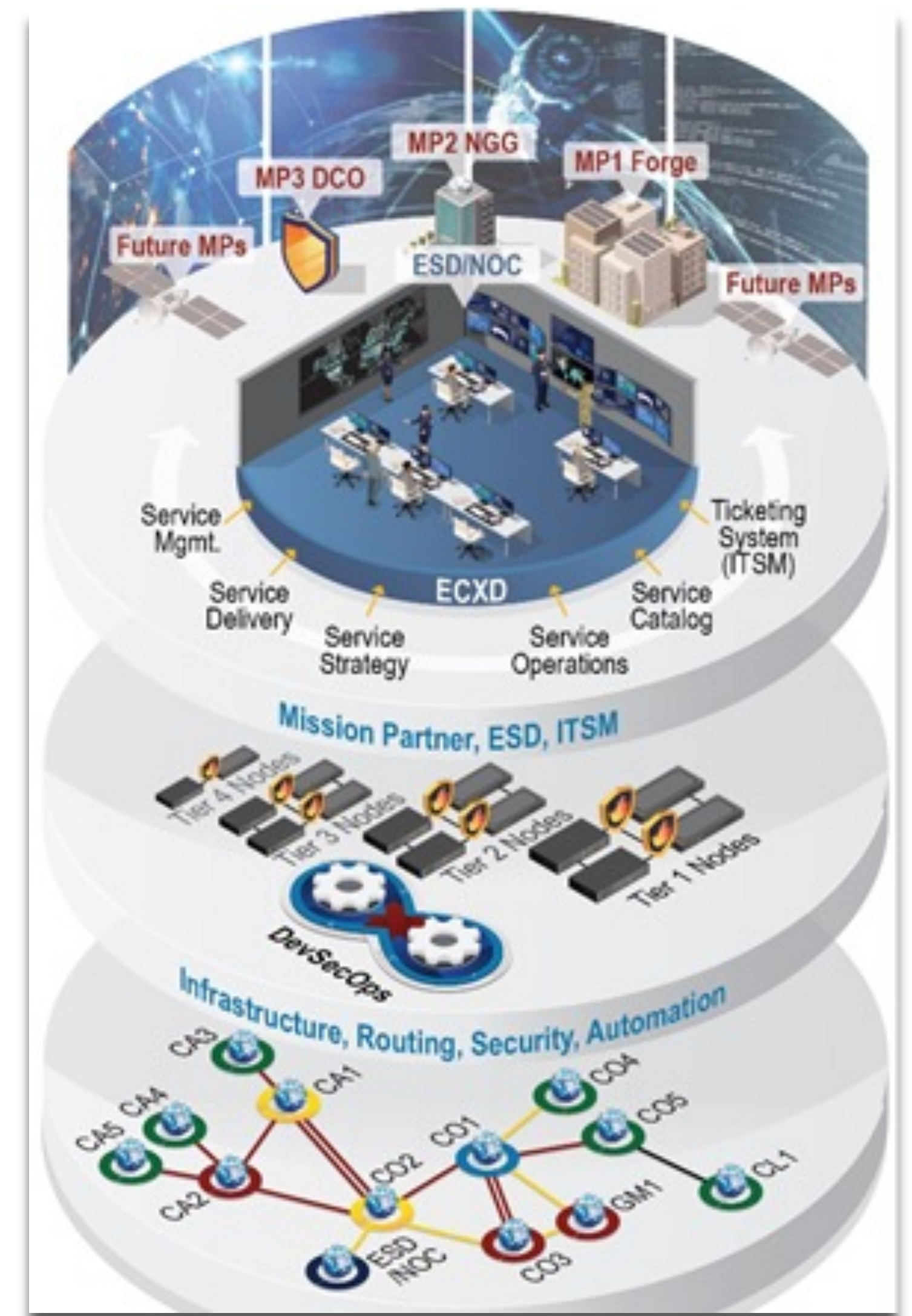
- Connectivity and bandwidth challenges at the tactical edge
- Multiple networks resulting in duplicative costs
- Inefficiencies due to how DoD operates networks (not like an ISP)

### Approach

- Data Transport as a Service (DTaaS) Approach
- Scalable, resilient, cyber-secure comm architecture
- Zero Trust integration, multiple encryption layers, accredited network
- Complete network automation / NetSecOps
- Automated monitoring and network control

### Results

- Multi-Tenant / Multi-Mission Partner agnostic
- Standards Based
- Vendor Agnostic
- Speed of Relevance
- Segment Routing across the Data Transport
- Supports current DCO-S architecture
- Rapid IA Capabilities





# Modernization and Enterprise Connectivity

## U.S. Customs and Border Patrol

### Business Problem

- Outdated Network Infrastructure
- Need to move to cloud
- Geographically complex environment

### Approach

- Fully Automated SD-WAN / SDN Solution
- Mobile Device Management w/ Derived Credential Solution
- Wired and Wireless Mobile Solutions
- Enterprise Management for both Cloud and On-Prem

### Results

- Delivery of mission communication to land, air and sea border
- 75,000 assets for 65,000 users at 1,700+ field sites
- Migration of 100+ apps to Cloud, ~40% savings
- Leverage Broadband and 4G for 60% savings
- 100% network availability reducing costly outages
- 1st anywhere/anytime Cloud connection for data/app
- Cloud onboarding in minutes/hours vs. days/weeks





# Small Business Opportunities

- Current Needs -
  - MBSE
  - Digital engineering
  - Hardware MOSA
  - Modeling & Simulation
- Future Needs –
  - DevSecOps Engineers, Application Developers, UI/UX, Cyber, Agile Scrum Masters
  - Infrastructure, System Engineers, Cloud SMEs
  - ServiceNow expertise
  - MILCON/Technician Experience
  - Artificial Intelligence / Machine Learning
  - Data Analytics
  - Data Architecture





# Contact Information

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