The Strativia Brief

# Mission Support at Scale

*Delivering Advisory and Assistance Services (A&AS) for High-Stakes Federal Decision-Making*



STRATIVIA®

## Introduction

As infrastructure ages and operations grow more complex, federal agencies must modernize the way they manage spatial data, site plans, and real property records. Computer-Aided Design and Drafting (CADD) and Geographic Information Systems (GIS) are no longer back-office functions—they are strategic tools essential to mission execution, regulatory compliance, and asset optimization.

Strativia delivers high-precision **CADD/GIS Technical Services** that power informed decisions, optimize resources, and visualize federal infrastructure in real time. We support military installations, civil engineering units, and property management programs with end-to-end services that integrate field data, map production, digital records, and stakeholder requirements into unified, accurate platforms.

## Understanding the CADD/GIS Imperative

Federal agencies today face increasing demands to manage real property and infrastructure with clarity, accountability, and audit-readiness. These challenges include:

- Maintaining accurate, as-built drawings and spatial maps for facilities across geographies
- Integrating new data layers from aerial imagery, GPS, and sensor inputs
- Supporting real property enrollment, utilities mapping, and asset lifecycle planning
- Enabling field teams and engineers to visualize infrastructure conditions in context
- Ensuring interoperability across platforms like AutoCAD, ArcGIS, Maximo, and CG-TIMS

Strativia supports these goals through rigorous mapping practices, secure systems access, and experienced technical specialists who understand both the technology and the mission.

**50+**
**Federal Programs Supported**
Driving mission outcomes across civil and defense agencies

**200,000+**
**Records Digitized & Integrated**
Modernizing legacy blueprints, CADD drawings, and real property data into secure systems

**40+**
**DOD & Civilian Sites Mapped**
Delivering geospatial visibility to enhance readiness, compliance, and asset lifecycle planning

# Strativia's CADD/GIS Service Model

Strativia provides high-impact CADD/GIS and data mapping services across civil and defense agencies. Our support model is built around six core competencies:

## 1. CADD Production & Editing



- Create and update AutoCAD drawings for facilities, utilities, and real property
- Vectorize field data using cartographic principles (topography, elevation, scales)
- Maintain electronic site plans, floor layouts, and scanned archives
- Prepare engineering-grade documentation compliant with agency production standards(Old) Coast Guard 70Z0G...

## 2. GIS Map Development & Integration



- Develop and digitize GIS layers from census, GPS, aerial photography, and field survey data
- Manage GIS spatial databases using Arc/Info, ArcView, and Microsoft Access
- Produce standard/custom maps, charts, and GIS tools for planners and real property staff
- Link GIS maps with real property records to support asset management and utilities coordination(Old) Coast Guard 70Z0G...

## 3. Data Management & Real Property Integration



- Support creation of Asset Enrollment Templates (AETs)
- Input data into Maximo (SAMS) and CG-TIMS (Adept) document management systems
- Maintain geospatial metadata and system structures for scalable data analysis
- Integrate drawings into electronic document libraries with full audit trails(Old) Coast Guard 70Z0G...

## 4. Field Data Collection & Remote Sensing

- Collect, clean, and upload GPS-based field data
- Assist in satellite image analysis, map rectification, and condition capture
- Conduct site walkthroughs to validate drawings and infrastructure data
- Update as-built documentation in coordination with civil engineering teams

## 5. Collaboration & Reporting

- Respond to stakeholder requests for maps, charts, and geospatial reports
- Collaborate with federal project managers to define scope, scale, and deliverables
- Attend meetings with technology and facilities staff to align expectations
- Prepare correspondence, status presentations, and spatial analysis summaries

## 6. Confidentiality, Compliance, and Technical Security

- Handle all mapping data as government property under confidentiality agreements
- Comply with all USCG CADD/GIS production manuals and formatting standards
- Support access-controlled systems using CAC credentials and secured terminals



## Case Snapshot: USCG CEU Providence

Strativia provides full-scope CADD/GIS technical services to the U.S. Coast Guard's **Civil Engineering Unit (CEU) Providence**, supporting operational decision-making and facilities management across USCG District 1.

Key activities include:

- Production and editing of AutoCAD drawings and GIS layers for USCG properties
- Real-time updates to GIS maps reflecting utility infrastructure and facility conditions
- Digitization of legacy blueprints into CG-TIMS and integration with Maximo
- Development of AETs and geospatial reports supporting real property enrollment
- Coordination with engineers and planners to meet mission and audit

Strativia's support helps the Coast Guard maintain geospatial visibility of its infrastructure, reduce maintenance downtime, and ensure readiness across its Northeast installations.

## Strativia Certifications & Capabilities

Strativia's CADD/GIS services are backed by operational maturity and quality assurance:

- **ISO 9001 –** Ensures quality-controlled production, editing, and review of CADD/GIS outputs
- **ISO 27001 –** Protects spatial and real property data with secure access and system protocols
- **CMMI Level 3 –** Provides standardized, repeatable processes that reduce errors and increase speed-to-delivery

Whether supporting field teams or planning offices, Strativia delivers high-trust technical services that scale with mission requirements.

*"From litigation to logistics, Strativia's A&AS experts turn complexity into clarity—every step of the mission."*

## The Strativia Commitment: Visibility with Precision

Strativia is more than a mapping vendor—we are an engineering ally. We provide federal programs with the tools, talent, and trust to keep their infrastructure visible, compliant, and mission-ready.

From CAD drawings and GIS layers to real property reconciliation and document control, Strativia ensures your spatial data works for you—not against you.



**Let's drive mission outcomes— together.**

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