INCATech®

Solutions Delivery & Technical Capabilities

INTEGRITY ◆ PERFORMANCE ◆ VALUE

INCATech was founded by Liliana Freedman in 2007. Liliana was inspired by the ancient Incan civilization not only because it relates to her Peruvian ethnic heritage, but because the Incan civilization was on the bleeding edge of advanced technology in stonecutting, agriculture, astronomy, mathematics, medicine, hydraulics, and military tactics. This civilization was known for the masterful engineering advancements and for pushing the envelope of innovation beyond the scope of their time-period. Thus Innovative Computing and Applied Technology

At INCATech, we strongly identify with 3 key values:

INTEGRITY ◆ PERFORMANCE ◆ VALUE

OUR ORIGIN STORY

Who we are...

INCATech provides solutions to missions that matter. Our dedicated staff make our customer's goals our own. We listen and learn to co-create the right-sized technical solution for today and ensure a maturity path to keep pace with the problems of tomorrow. With **85%** of INCATech Solutions Deliver staff possessing security clearances*, we are equipped to tackle the most complex challenges from the position of trusted privilege with a diverse multidimensional workforce.

Pie chart:
- Secret clearance 63%
- Top Secret clearance 22%
- Uncleared 15%
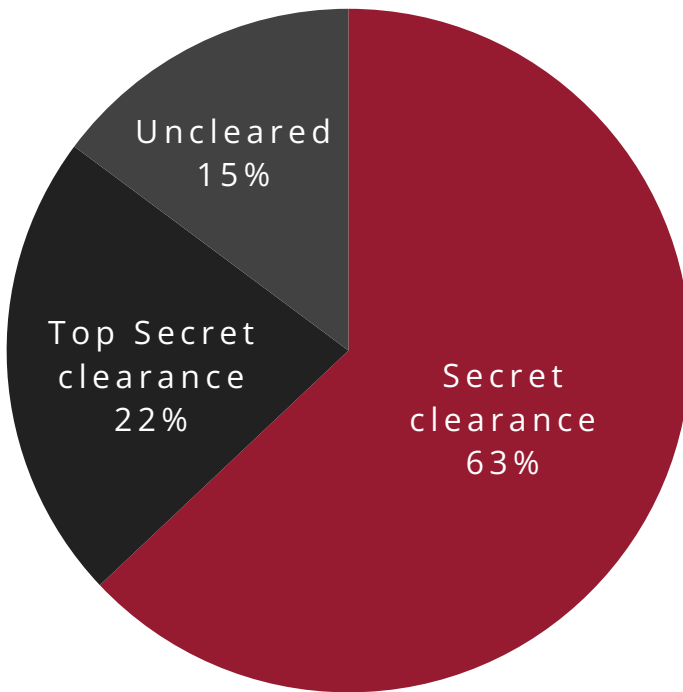
- Maintaining the U.S. Military's history
- Providing Travel Advisory alerts to the public
- Supporting armed services prevent, prepare for, and respond to personnel recovery events
- Helping manage hazardous land zones
- Helping bridge the digital divide
- Supporting safe & secure postal operations for the 2020 US Election
- Providing real-time operational support to our nation's civil authorities
- Facilitating the creation of open geographic data to support humanitarian relief
- Authoring Departmental strategies for advancing data management, governance, and compliance

'A commitment to missions that matter'

What We Do

Across INCATech's Solutions Delivery line of business, our deep expertise in the following Technical Practice Areas offer customers cross-cutting capabilities to overcome their mission challenges.

Geographic Information Systems

The Geographic Information Systems (GIS) Practice delivers award winning end-to-end geospatial services and quality geospatial technology, data, and products by specializing in geospatial engineering, analytics, and consultative services.

Enterprise Data Management

The Enterprise Data Management (EDM) Practice builds business automation processes and right-sized information architecture for customers to understand meaningful insight from their data.

User-Centered Design

The User-Centered Design (UCD) Practice brings product development best practices by formulating the most relevant problem statements and design innovative solutions that users love — because they solve the right problem in a way that users care about.

Cloud & Platform Services

The Cloud & Platform Services (CPS) Practice delivers cross-functional teams to design and deliver turnkey cloud solutions and support the operation, maintenance, migration, and modernization of existing systems, applications, and data.

GIS Practice Core Capabilities

Geographic Information Systems (GIS)

✓ Geospatial Data Lifecycle Management

✓ GIS Enterprise Engineering

✓ GIS App Development

✓ Spatial Analytics

✓ Geospatial Machine-Learning

✓ GIS Training

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Geospatial Data Lifecycle Management

✓ **Enterprise Data Management**

- Experts managing the Geospatial Data Lifecyle for hundreds of geospatial datasets and ensuring their availability, quality, and accessibility for various large Federal customers across security domains
- Experience with geospatial database and server administration capabilities to support developing, maintaining, and optimizing data services from a variety of sources (e.g., Esri enterprise data store, geodatabases, GeoServer, and GeoNode, etc.)
- Assess and enrich datasets for application to specific use-cases (i.e., spatial analysis, spatiotemporal modeling) and determine suitability of government/academic/commercial data sources for incorporation into your business processes.
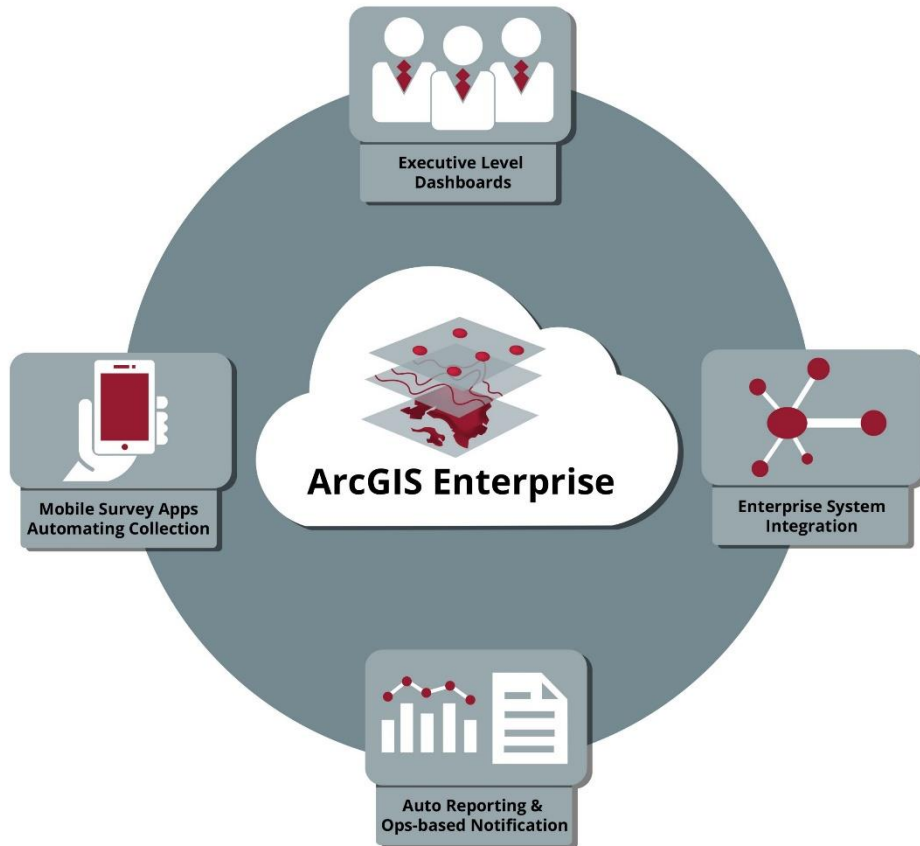
✓ **Extract/Transform/Load (ETL) capabilities**

- Leverage both COTS and GOTS solutions, INCATech transforms unstructured and unprocessed source datasets into refined geospatial datasets to meet standard specifications
- Deliver your data in the format you need faster, cheaper, and more reliably with INCATech developing reusable ETL pipelines to eliminate unnecessary labor costs, promote automated quality assurance procedures, and optimize processing routines
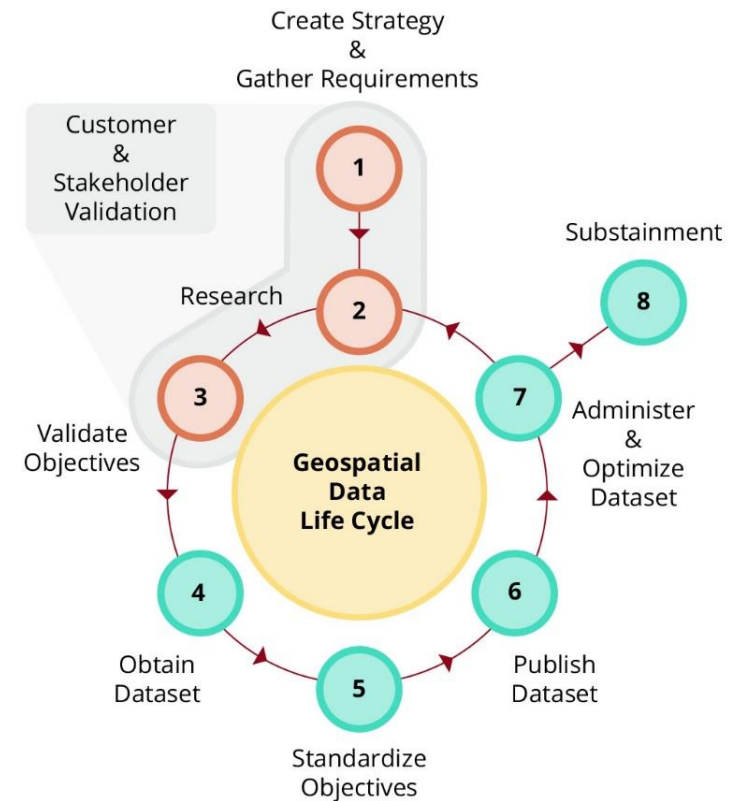
INCATech uses the Geospatial Data Life Cycle (above) as a guide to produce and release the Department of State's Large Scale International Boundaries (LSIB) dataset. The LSIB is the authoritative international boundary dataset reflecting U.S. foreign policy defining the legal basis for dividing sovereignty between states

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GIS Enterprise Engineering

Executive Level Dashboards

ArcGIS Enterprise

Mobile Survey Apps Automating Collection

Enterprise System Integration

Auto Reporting & Ops-based Notification

Integrate and organize your data, systems, and applications so that they function at the enterprise level across your organization. INCATech drives mission success by administering and engineering ArcGIS Enterprise to host and manage mission operations across applications

✓ **Cloud, On-premise, or Hybrid Environments**

- Deploy ArcGIS Enterprise and federate to trusted systems that incorporate Esri and non-Esri software and server components

- Provision 'just-in-time' resources to elastically manage short, medium, and long-term project needs

- Recognized by Esri as 'Release-ready' and included in Beta Testing Groups for emerging products (e.g., ArcGIS Enterprise on Kubernetes, and Survey123 machine-learning, etc.)

✓ **Scalable and Secure**

- Move towards zero-trust architectures by setting granular security policies and specialized defense mechanisms on each instance of ArcGIS Enterprise and its server components

- Ensure customer security, compliance, regulatory, governance, and transparency requirements are met. INCATech has demonstrated success across our support for various DOD, IC, DHS, and other Federal civilian agency customers

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GIS App Development

✓ **Desktop, Web, and Mobile app development**

- Proven experience with geospatial APIs including Esri SDKs and Open-Source libraries (e.g., OpenLayers, Leaflet, etc.)
- Responsive UX-friendly apps for desktop, laptop or mobile use
- Specialized geospatial staff work alongside software engineers to ensure delivery of highly performant applications with scalable + cost-effective architectures
- Experience synchronizing the deployment of geospatial applications across security classification domains

✓ **Fully integrate your Desktop/Web/Mobile GIS solutions**

- Synchronize mobile/field data collection efforts with back-office monitoring, event-based triggers, dashboards, and web-based quality assurance workflows
- Develop location-aware workflows to ensure your userbase is notified when features of interest or conditions on the ground change; integrate your messaging systems with your geospatial products to improve communication, reduce waste, and improve organizational efficiency

For a variety of customers, INCATech extends Esri configurable apps with custom features and fusion of multiple datasets. INCATech develops apps so they responsively render across mobile or desktop devices for shared real-time situational awareness in the office or out in the field

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Spatial Analytics

✓ **Advanced Spatial Statistics**

- Use spatial data science to investigate, detect and quantify spatial patterns to power predictive models

- Discover hotspots and focus your attention on the areas that matter

- Detect time-series patterns through layers of complex context and find meaningful insight to drive decision-making

- Promote repeatability/reusability and optimize your processing time by taking advantage of cloud-native data processing pipelines to parallelize and streamline statistical modeling efforts

- Visualize and communicate profound results to your end-users in web-accessible map-centric products using platforms such as AGOL, ArcGIS Enterprise, Tableau, and PowerBI dashboards or data products

✓ **Modeling Domain Tradecraft**

- Defense & Intelligence Community

- Law Enforcement Community

- Scientific Community

- Homeland Security & Public Safety Communities

INCATech uses analytical techniques (e.g., Local Bivariate Relationships, etc.) to discover multiple correlations between physical and socioeconomic variables impacting the reach of broadband availability for the National Telecommunications Infrastructure Administration (NTIA)

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Geospatial Machine-Learning

✓ **Natural Language Processing (NLP)**

- Harvest spatiotemporal terms from unstructured documents, briefings, and other files to auto-generate geospatial data and plot their locations (i.e., geocode)

- Use deep learning architectures (i.e., neural networks, LSTMs, etc.) to enhance the recognition accuracy of poor-quality document scans in the Optical Character Recognition (OCR) digitization process

- Provide users and developers easy access to deployed machine-learning models through REST service end-points and existing applications

✓ **Computer Vision (CV)**

- Creating and training accurate machine-learning (ML) models for monitoring and predicting weather data

- Using pattern-recognition to better detect features of interest from imagery or video

- Detect changes in the environment with newly acquired imagery to better understand when action is needed

INCATech supports the Federal Aviation Administration (FAA) with Research and Development (R&D) of a machine-learning model that provides the wind speed and direction using images of windsocks

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GIS Training

National Broadband Availability Map

Applications

NBAM Fixed Broadband Application — Ookla vs FCC Form 477 Comparison Dashboard — Other Applications

✎ Make a Map

Resources

What's New This Release — Portal Instructions — Help Documentation — Training Videos

Explore NBAM Groups

INCATech makes all training material easily accessible for users on the 'Resources' portal of the National Broadband Availability Map (NBAM). We develop Full-Service Training Videos, supporting Webinars and Workshops attended by state broadband agencies, and standardized User Guides which describe the use of our applications, tools, and data.

✓ **Tailored Training Curriculums**

- User-centered training for web/mobile/desktop GIS products and workflows; Focused training efforts align with your needs to deliver immediate value that generalized training fails to deliver
- Experienced staff help reduce wasted effort, error, and frustration through discussing

✓ **Classroom-based Training**

- Role-specific course curriculum development ensure industry tips-and-tricks, best practices, and software "gotchas" are shared across your entire team
- Facilitation of exercises & guided practice scenarios

✓ **Online / Distance-based learning**

- Live & recorded video lectures
- Animations illustrating advanced geospatial analytical techniques
- Instructional video training tutorials for software applications
- Help/reference documentation

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EDM Practice Core Capabilities

Enterprise Data Management (EDM)

✓ Institutionalizing Data

✓ Designing Data

✓ Empowering Data

✓ Utilizing Data

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Institutionalizing Data

✓ **Data Governance**

- INCATech provides direction and oversight for your data by establishing a system with governing standards, data access, and decision controls that account for the needs of the entire enterprise (i.e., security, privacy, and enforcement techniques).

✓ **Data Quality Management**

- Low quality data, data of unknown quality, or data unfit for its purpose can be even more harmful than the absence of data. INCATech will plan and implement quality management methods to continually measure, evaluate, and enhance the quality of your organization's data.

✓ **Full Lifecycle Metadata Management**

- INCATech designs and implements solutions that will enable you to find information about your data. These solutions include creating definitions, models, taxonomies, and other information critical to understanding (a) data and (b) the systems through which that data is made, maintained, and retrieved (c) reduce waste and improve operational efficiency.

✓ **Knowledge Management (KM)**

- INCATech implements the methodical management of knowledge assets that create value for your organization; this includes the initiatives, processes, strategies, and systems that sustain the organization's storage, assessment, sharing, refinement, and creation of knowledge.
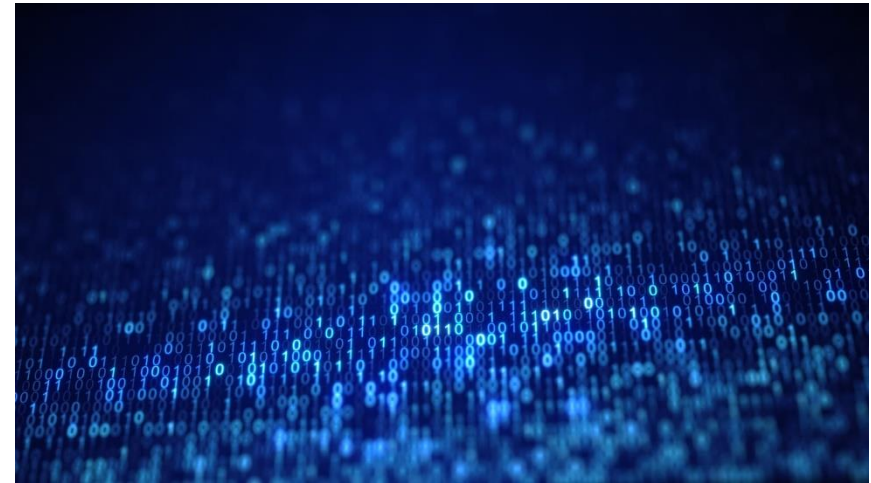
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Designing Data

✓ **Data Architecture**

- In order to design your data around the requirements of your enterprise today while anticipating the problems of tomorrow, INCATech will architect blueprints for comprehensively managing your data assets by aligning them with your organization's strategy.

✓ **Data Design and Modeling**

- INCATech facilitates discovering, analyzing, representing, and communicating data requirements in precise data models. These activities represent your enterprise's data building blocks and determine how specific data may be affected by changes in your organization.

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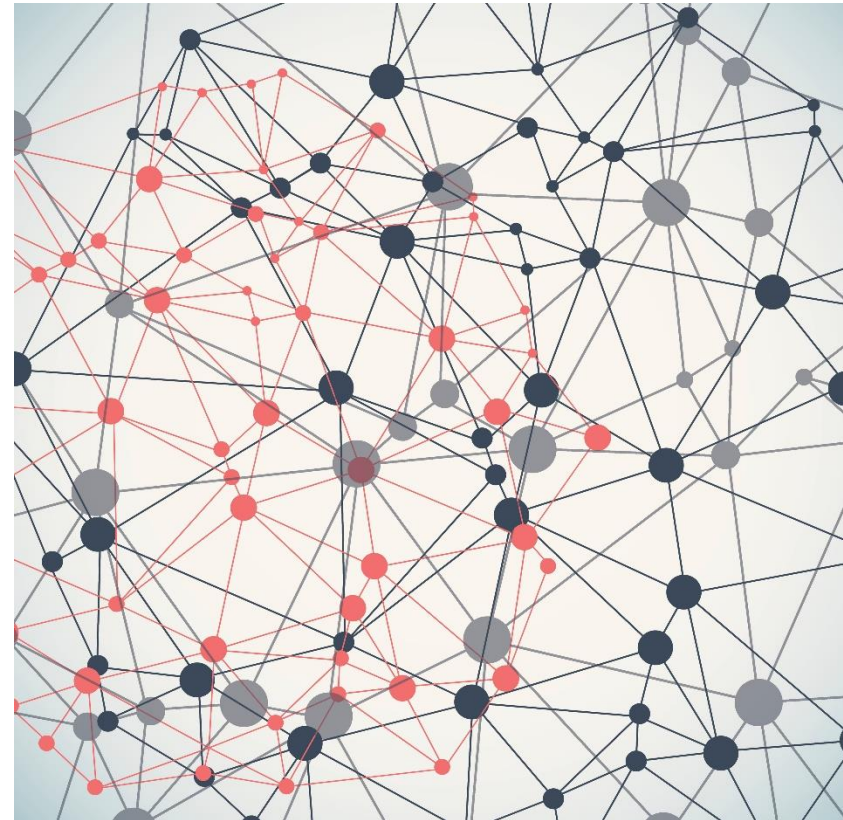
Empowering Data

✓ **Data Storage and Operations**

- Manage and monitor the operations of data assets and services to support you throughout the entire lifecycle of your data. This includes developing, versioning, and administering databases, data warehouses, data lakes, data markets, and data pipelines.

✓ **Data Engineering Interoperability and Integration**

- Manage the processes related to the movement, pipelining, and fusion of data between data stores and applications within your organization's enterprise.

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Utilizing Data

✓ **Data Analytics**

- INCATech can enrich your data with the necessary context, visualizations, and storytelling tools so you can draw on and communicate meaningful insight from your data.

✓ **Content Management**

- INCATech applies business logic and controls to manage the lifecycle of data and information for a range of media and file types, especially documents in various content management systems and applications.

✓ **Enterprise Search**

- INCATech combines User-Centered Design, Search Engine best practices, and future-leaning technologies like A.I. and Machine-Learning to improve your data's findability.
- We help empower your workforce to explore, understand, and discover new insights

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CPS Practice Core Capabilities

Cloud & Platform Services (CPS)

✓ Solution Architecture

✓ DevOps

✓ SysOps Administration

✓ Cloud-native Software
 Engineering

✓ Cloud Security

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Solution Architecture

✓ **Design for economy, security, scalability, and operational resilience**

- Engage and facilitate a consensus with your key stakeholders
- Consider all relevant enterprise architecture viewpoints
- Design an optimal solution for today and set a maturity path to keep pace with the problems of tomorrow

✓ **Multiple cloud-service provider (CSP) expertise**

- Amazon Web Services (AWS)
- Microsoft Azure
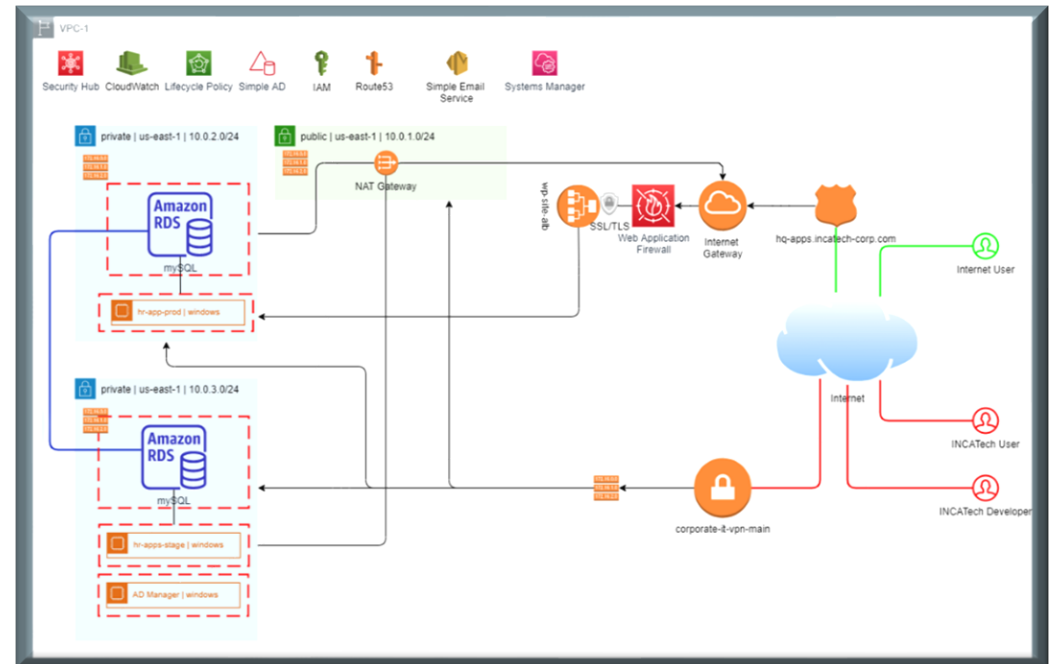
Avoid transferring your existing problems to the cloud by taking advantage of INCATech's expertise to architect a cloud-native solution. With our expert understanding of cloud services and modern patterns, we piece together a scalable, performant, and cost-effective solution tailored to your mission goals.

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Development Operations (DevOps)
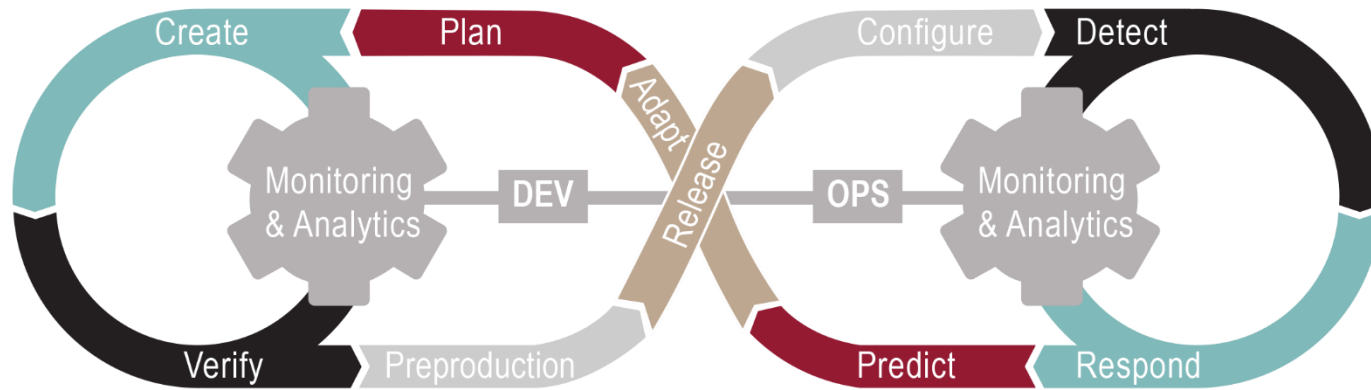
INCATech uses the above DevOps framework to guide fluid product development and facilitate processes for the Department of State, Department of Defense, and the Department of Commerce

✓ **Cloud infrastructure automation**

- Execute predictable and repeatable asset management with scripts with infrastructure-as-code
- Automatically provision capacity to scale-up to meet high demand during surges and scale-down to minimize operational costs
- Codify your security policies and best practices for compliance within your infrastructure

✓ **Deploy Continuous Integration and Delivery (CI/CD) pipelines for rapid application deployment**

- Leverage rigorous source code control
- Configure automated testing gates for QA/QC and hardening for security accreditation and assurance
- INCATech is a GitLab Partner that offers the capability to kickstart a brand-new software development operation out-of-the-box

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System Operations (SysOps) Administration

Kanban board

INCATech uses a variety of techniques to actively resolve SysOps issues including the practical use of Agile Kanban, whereas members will advance a discrete work item on a Kanban board from left-to-right in full transparency to the total team until completed.

✓ **Active system monitoring for systems and applications in production**

- Continually monitor system performance feedback and take action on triggers
- Maintain your infrastructure integrity
- Rapidly respond and troubleshoots issues to sustain your mission or business operations

✓ **Continuous validation**

- Conduct functional and security monitoring with enterprise analytics to continuously monitor availability of cloud services
- Leverage analytics and trend analysis to improve performance and mitigate risk of disruptions
- Continuous security control monitoring to verify and validate safety of operations

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Cloud-Native Software Engineering

Applications developed without taking advantage of the cloud's Platform-as-a-Service (PaaS) and Infrastructure-as-a-Service (IaaS) don't receive the full benefits of scalability/elasticity, security, and updatability to incorporate new cloud services and offerings. INCATech designs and engineers with the full suite of alternatives in mind and will you the best of what CPS can offer.

✓ Refactor, or build, and run applications in public, private, and hybrid clouds

- Leverage containerization patterns and orchestrate your deployments with Kubernetes (K8)
- Use service meshes for securing the enterprise with organization-wide policies
- Develop with microservices for architectural modularity (i.e., maintainability, testability, deployability, scalability, and availability)
- Use infrastructure-as-code and 'serverless' functions for scheduled or event-based processing

✓ Designed for robustness, resiliency, scalability, and secure management

- Leverage API-first principles
- Allow developers and engineers to make high-impact changes frequently and predictably

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Cloud Security

✓ Ensure security through a layered approach of preventative measures

- Identity Access Management (IAM)
- Secure VPNs
- Secure application development
- Penetration testing, static & dynamic testing

✓ Rapid accreditation using modern DevSecOps practices

- Proven experience of government Authority to Operate (ATO) processes
- Leads Certificate to Field (CtF) to deploy applications on higher security classification domains
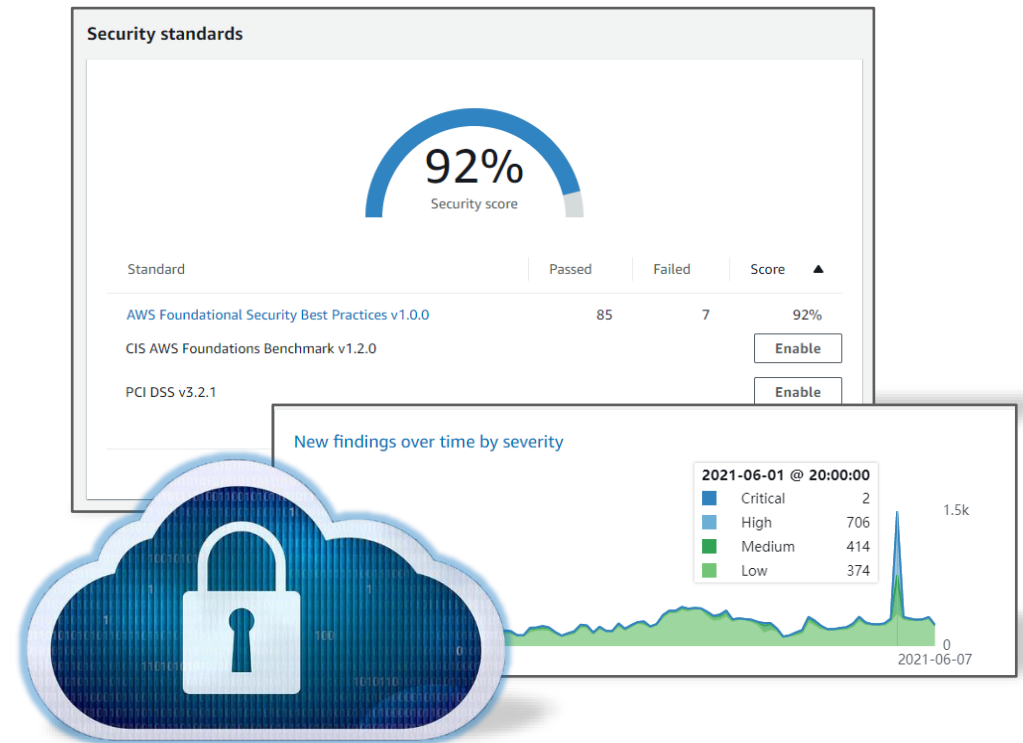
Using conformance packs to Cybersecurity Maturity Model Certification (CMMC) Level 3, INCATech monitors and sets comprehensive controls for assets and resources across the organization.

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UCD Practice Core Capabilities

User-Centered Design (UCD)

✓ Design Research

✓ User Experience Design

✓ User Interface Design

✓ Visual Design

✓ Instructional Design

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Design Research

✓ **User and Stakeholder Interviews**

- Gains insights on user pain-points, workflows, and how the user will interact how users interact with the product
- Discerns previous attempts to solve problems, and current workarounds to overcome current shortcomings within any workflows

✓ **Persona Development**

- Creates user group archetypes to ensure different types of users' requirements are actively accounted for
- Accounts for the different perspectives and different use-cases for a product or workflow

✓ **Usability Testing**

- Rapidly create clickable prototype features to analyze the design solution to fit the user's needs and to ensure the design is intuitive
- Testing validates and provides data to fine-tune the user experience to eliminate the need for extensive training

INCATech interviews users at to listen and learn what users really care about, how they operate, and what is possible in order to determine how best to design a product with the user's experience at heart.

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User Experience (UX) Design

✓ **Framing the solution around the problems users care about**

- Ensuring you are the building the right solution that solves the right problem for the right people
- Creates the optimal user experience that is backed by user research
- Mitigates the risk of developing a product that won't be adopted by the user community
- Bringing your users into the design process

✓ **Continuous research, validation, and testing**

- Iterating and refining based on continuous discovery
- Usability-focused processes ensures product durability

INCATech works directly with users to create user journey maps to see and understand user's problems clearly and contextually through iterative refinement

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User Interface (UI) Design
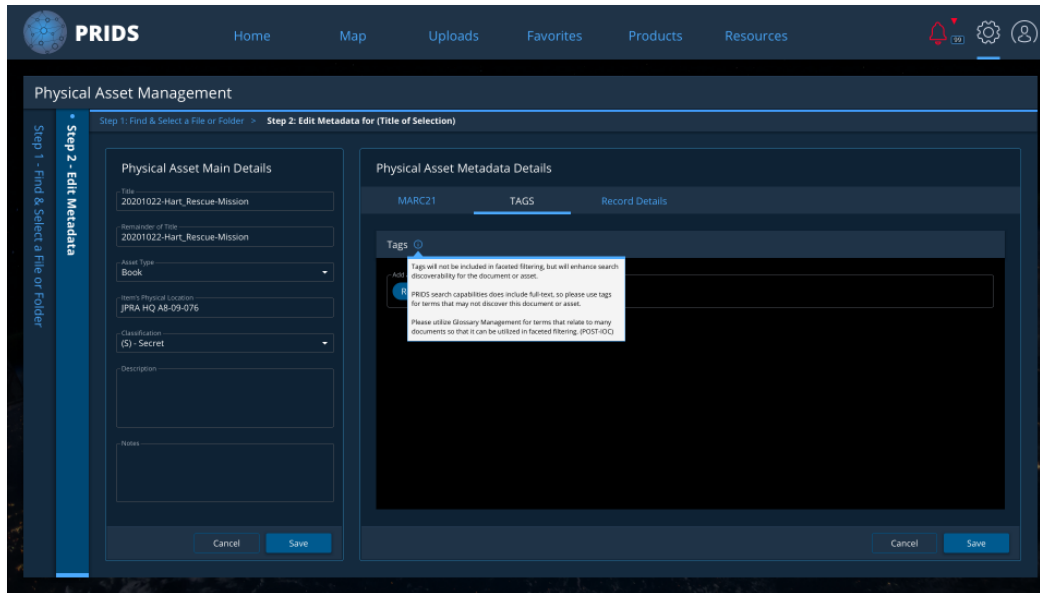
At the Joint Personnel Recovery Agency (JPRA) INCATech designers create hi-fidelity mockups and clickable prototypes to validate the UI design with users before spending valuable development time implementing

✓ **Great design goes beyond aesthetics, it drives the user's behavior**

- · Simple and elegant design tested and validated with users
- · Wireframes and mock-ups are created to guide the development team through design implementation

✓ **Designing for inclusion**

- · Enhanced accessibility and usability
- · Accounting for all types of interactivity and responsiveness between different form-factors (e.g., desktop, mobile, touchscreen, etc.)
- · Meeting 508-compliance standards and specifications

✓ **Design deliverables enhancing communication**

- · Design deliverables are used to align stakeholders, users, and the development team

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Visual Design

INCATech designers use best practices and knowledge of color theory to find what visual cues work best in a product's design.

✓ Using images, colors, fonts, and other visual elements strategically to guide the user

- Creates visual cues and optimally present information to guide the user
- Better articulate messaging and communication through the visual medium using principled design best practices

✓ Develop style guides for branding and maintaining consistency

- Explicitly communicates use of design elements across a product, enterprise, or organization
- Creates predictability for users even when new features are added or changed
- Accelerates development as stylistic choices are either well articulated or predetermined

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Acquisition & Financial Services

INCATech provides cradle-to-grave acquisition support and financial management support to ensure that our customers are able to navigate their challenges and achieve mission success. We have successfully assisted in managing complex acquisitions responsible for major systems, new technologies, and billion-dollar contingency contracts.

Technological Integration

INCATech works to identify appropriate opportunities to leverage best-of-breed technologies to optimize our clients' performance. These initiatives include developing contract management systems and Robotic Process Automation (RPA). INCATech produces web-based solutions that enable our products to be available anywhere, anytime, and on any device.

Acquisition Management

INCATech understands all aspects of Acquisitions and provides support services in accordance with the FAA's Acquisition Management System (AMS), Federal Acquisition Regulations (FAR), and Defense Federal Acquisition Regulation (DFAR).

INCATech supports the full Contract Lifecyle, simultaneously meeting the demands of current contracts, while conducting Pre-Award activities for emerging procurements.

Financial Management

INCATech performs financial management support that benefits both Contracting Officers (COs) and Program Offices (POs). We thoroughly support budget execution and develop rigorous financial spend plans with funding projections. We utilize federal financial systems to monitor and analyze requirements, available funds, committed/obligated funds, and Undelivered Orders Amount (UDOs). At all times, INCATech will know the precise financial status of respective funding.

In support of budget formulation, we work with relevant stakeholders to properly identify, describe, and quantify out-year mission requirements. We conduct year-over-year analysis to identify where requirements are evolving and proactively capture why the requirements are different. Our supported formulation documents accurately reflect requirements and support client missions.

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Department of State

Bureau of Intelligence and Research (INR)

Period of Performance: June 2019 - Present

INCATech serves INR by identifying, collecting, analyzing, and disseminating all-source information critical to U.S. Government decision-makers and partners in preparation for and response to humanitarian emergencies worldwide, and to promote innovative technologies and best practices for humanitarian information management. The objective of this Professional Consulting Services contract is for the 5-person team to bring innovative philosophy to Customer GIS support Task Orders, emphasizing collaboration, information sharing, and proactive, transparent management to provide successful, cost-effective, innovative collection, management, and use of georeferenced spatial data for analysis of complex humanitarian issues.

INCATech also leads a data-driven approach to the drafting and publishing of the Department's first Geospatial Data Strategy, and Congressional reports mandated by the Geospatial Data Act (GDA). By chartering and chairing a Department-wide working group coordinating the implementation of GDA activities across the geospatial community, INCATech is driving an optimal and repeatable GDA reporting structure and supporting the Department to achieve compliance to all GDA requirements through the development of consistent reporting metrics.

Bureau of Consular Affairs (CA)

Period of Performance: December 2014 - Present

INCATech supports the US State Department, Bureau of Consular Affairs (CA), Website Support Services (WSS) contract. WSS is responsible for design, modernization, enhancement, and operations of all of CA/CST's internal and external facing informational websites and web applications. We perform full stack development using the Scaled Agile Framework (SAFe) and CMMI level 3 processes in a cloud based Continuous Integration/Continuous Delivery (CI/CD) model. Our Engineers integrated state of the art Adobe Enterprise Content Management (ECM) and Esri Geospatial applications to deliver an outstanding mobile responsive user experience to over 100M visitors annually to the Travel.State.Gov family of public-facing sites.

Professional Employee Support Services

Period of Performance: December 2016 - Present

INCATech provides professional services staffing support services to multiple bureaus within the Department of State. This five-year contract is an IDIQ with over 80 labor categories available for governmentwide use. The contract scope includes Information technology technical support, business analysis & program/project management support, & administrative/logistics services.

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Department of Defense

Joint Personnel Recovery Agency (JPRA)

Period of Performance: February 2019 - Present

INCATech supports the Joint Personnel Recovery Agency (JPRA) in the creation of the Personnel Recovery Information Data System (PRIDS) by designing, architecting, developing, engineering, and deploying of a globally accessible and collaborative Personnel Recovery (PR) database and search engine. PRIDS is capable of storing, retrieving, and managing a variety of data types across all armed forces, geographic combatant commands, and the wider PR enterprise. PRIDS organizes and makes searchable all documents, chat logs, event logs, debriefs, imagery, maps, and messaging functions such as automated message handling systems and reporting devices identified as part of PR cases. PRIDS stores, retrieves, and manages structured, semi-structured and unstructured data and extracts spatiotemporal entities for mapping. The information system includes advanced spatial/temporal/thematic search functions designed to generate data visualization reports for a wide variety of audiences. This contract demonstrates INCATech's breadth and depth of expertise in geospatial consultative services as well as solution delivery of application development, enterprise systems development, data aggregation and normalization of distributed databases, and cartographic data visualization of meaningful insights via data analytics.

U.S. Army Center for Military History (CMH)

Period of Performance: June 2020 - June 2021

The CMH IT Support contract supports CMH's work maintaining the Army's roughly 600,000 historical artifacts, millions of historical US Army artifact documents, writing the official histories of US Army engagements around the world, managing the official histories of all Army units, operating the 60+ CONUS and OCONUS Army museums as well as the National Museum of the US Army (NMUSA) at Ft. Belvoir, and several other tasks. INCATech has strong experience in modernizing CMH's applications and advancing operations based on CMH's requirements. We provide IT support in a wide range of CMH areas, including program and project management, software development and testing, hardware, Knowledge Management, IT-related business analysis, IT infrastructure, IT operations, desktop management, graphics, cybersecurity, and others. Our contract support includes supporting both unclassified and classified systems.

U.S. Army Corps of Engineers (USACE)

Period of Performance: September 2019 – October 2020

The Reclamation of Abandoned Mine Sites (RAMS) project involves the database and web-based application design, and integration of tabular, multi-media, and spatial data for the California Department of Conservation's (DOC) Division of Mine Reclamation (DMR) Abandoned Mine Lands (AML) Program. The goal for the INCATech team was to utilize GIS technology to modernize and enhance the database by storing all relevant AML data,and build a secure web-based front-end application to manage it. The new application will incorporate GIS technologies in use at the DOC for the design and build of a web-based front-end application that will access abandoned mine data located in a new SQL Server database provided by DOC. The INCATech team designed and developed an enterprise application that allows the database to be updated through several interfaces, as well as 3rd party data collection. This project also includes the development of AML custom reports, advanced reporting functionality that use subsets of data, and reports generated from queries against feature classes.

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Federal Aviation Agency (FAA)

Headquarters Contract Support Services

Period of Performance: Sept 2016 - Present

INCATech provides a wide range of support to help manage and administer a $65B portfolio of programs modernizing & operating the United States National Airspace System (NAS). Our team supports five operational branches within the Terminal and EnRoute contracts Division on programs that are several years pre-award to more than 10 years into operations.

NextGen Weather R&D (Winds)

Period of Performance: November 2020 - Present

INCATech supports Federal Aviation Administration (FAA) Weather Technology in the Cockpit (WTIC) general aviation research as prime contractor to investigate the use of Computer Vision (CV) Artificial Intelligence (AI) to create an accurate predictive machine-learning (ML) model using a convolutional neural network (CNN) to determine instantaneous surface wind speed and direction from a single image, and determine relevant factors required to inform decisions for optimal installation of equipment.

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Support to Federal Civilian Agencies

Department of Commerce – National Telecommunications Information Administration (NTIA)

Period of Performance: September 2019 - Present

The NTIA is responsible for helping bridge the 'digital divide' through the promotion of an efficient telecommunications infrastructure that will contribute to the economic welfare of the American people and enhance American competitiveness abroad. INCATech supports the NTIA by developing the National Broadband Availability Map (NBAM) platform functioning as a team of GIS-focused experts to include data scientists, cartographers, designers, developers, trainers, and business intelligence professionals delivering solutions for both NTIA stakeholders and U.S. State groups. Our team merges complex FCC datasets with new data from a variety of sources to provide policy makers, state/local organizations, and private industry with information that leads to better planning and policy decisions for increasing broadband access in unserved and underserved areas. INCATech makes a significant impact on this program having a direct effect on our citizen's digital inclusion, health, education, and financial security.

U.S. Postal Service (USPS)

Period of Performance: October 2020 - Present

The United States Postal Inspection Service (USPIS) uses geospatial technology to support its mission by presenting its information through map-centric interfaces through a variety of different mediums (mobile/web/desktop). INCATech supports these efforts with administering ArcGIS Enterprise to USPS users, maintaining geocoding servers, and providing routing and location-based APIs to authorized parties.

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Support to Intelligence and Public Safety Communities

National Geospatial-Intelligence Agency (NGA)

EAE Period of Performance: January 2019 – September 2019
OATS Period of Performance: July 2019 – February 2020

INCATech has provided analytic, training, and engineering support to NGA under multiple programs to include the Enhanced Analytic Environment (EAE) and the Overhead Persistence Infrared [OPIR] Analysis Tool Suite (OATS). INCATech provided enterprise portal administrator support by creating and managing user groups, managing client content, answering trouble-shooting portal questions, and creating over 50 Enterprise Sites Pages while managing another 120. INCATech also provided DevSecOps support scripting and automating the installs and builds of cloud-based infrastructure, applications, and environments across multiple classified domains. INCATech designed and built Continuous Integration/Continuous Delivery (CI/CD) pipelines for cross-domain deployment, and administered application operations, debugging, storage administration, monitoring, and security.

U.S. Secret Service (USSS)

Period of Performance: September 2019 - Present

INCATech supports the USSS Office of the Chief Information Officer (OCIO) with development and engineering to Esri's ArcGIS Enterprise GIS as a service offering. This common operating platform brings together disparate datasets with the goal of providing situational awareness, incident alert/management, real-time asset tracking, and data integration for 24/7 Operations Centers for supporting critical national security missions.

U.S. Courts

Period of Performance: April 2017 - Present

INCATech supports the US Courts, Probation and Pretrial Services Office staff training/coaches resource library, an online resource maintained in Blackboard Learn. The library contains lessons plans, electronic learning modules, forms, video and audio clips, and activities that coaches can use to assist with development of their users. INCATech maintains Blackboard Learn, a web-based server software, which features course management, customizable open architecture, and scalable design that allows integration with student information systems and authentication protocols.

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Leadership Team

INCATech instills its core values (i.e., Integrity, Performance, and Value) into its work culture starting with the leadership team. By applying the 'Servant-Leadership' model philosophy, we are committed to supporting, empowering, and enabling all INCATech staff members with the guidance, role-modeling, and communication to equip them with the knowledge, resources, continual enrichment, and drive for fulfillment by helping customers succeed. INCATech's leadership team is comprised of the following, each seasoned in their respective areas of expertise:

Liliana Freedman
President & CEO

Bruce Freedman
VP of Corporate Development

Wayne Staub
VP of Financial Operations

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Liliana Freedman

President & CEO

Liliana Freedman is the President and CEO of INCATech, a 100% Woman Owned Small Business, which she established in 2007. Prior to forming INCATech, Liliana earned a Bachelor's Degree in Computer Science from the University of Maryland University College, then embarked on a 16-year career in information technology and software development with Computer Sciences Corporation (CSC). During this time, she honed her skills in the craft of delivering value added IT and software solutions for Government customers while at the same time nurturing a dream of owning an IT consulting business.

After leaving CSC and working as an independent consultant for 6 years for several government contractors, Liliana at last brought her long held dream into reality with the formation of Innovative Computing and Applied Technology dba INCATech. Liliana established INCATech with a culture based on Integrity, Performance, and delivering Value. This culture extends to our employees, customers, and partners and is the foundation of everything the company does.

Liliana oversees INCATech's daily operations and is responsible for guiding the strategic direction of the company, developing the leadership team, and empowering the staff to rise to their greatest potential in achieving their own goals and simultaneously fulfilling INCATech's vision and mission. Liliana is a member of the U.S. Women's Chamber of Commerce, Women Impacting Public Policy, DC Web Women, and AFCEA International.

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Bruce Freedman

Vice President of Corporate Development

Bruce Freedman serves as INCATech's Vice President of Corporate Development. In this role he is responsible for all business development, capture, and program execution resulting in a delighted portfolio of customers and past performance references. Additionally, he leads numerous initiatives to expand and mature INCATech's infrastructure, qualifications, contract vehicles, and business processes to provide a robust platform to sustain the company's growth.

Prior to joining INCATech as the Vice President of Corporate Development, Mr. Freedman led the Federal Department of Transportation and Treasury accounts for SRA International. His division generated ~$50M in annual revenue from 49 separate task and delivery orders executing in seven locations across the country.

Prior to SRA, Mr. Freedman was the Vice President of Systems Development at AlphaInsight, a small business where he grew program revenue and participated in the successful sale of the company to CACI in 2006. Before joining AlphaInsight in 2002, Mr. Freedman ran numerous national and international programs for large companies such as Allied Signal Aerospace, Honeywell, Alliant Techsystems, and HRB singer. Mr.Freedman holds Masters Degrees in Program Management and Organizational Management from Johns Hopkins University as well as a Bachelor of Science degree in Electrical Engineering from University of Maryland.

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Wayne Staub

Vice President of Financial Operations

Wayne Staub is the Vice President of Financial Operations for INCATech and is responsible for managing all financial aspects of the enterprise to include financial planning and analysis, cash management, budgeting, contract management and accounting.

Mr. Staub is a results-oriented, visionary leader with a strong track record of developing and maintaining corporate budgets, directing corporate agreements, and overseeing contracts. He serves on the executive leadership team and ensures the financial health of the firm.

Prior to joining INCATech, Mr. Staub served as Vice President of Contracts and Accounting for a government contracting company in the Washington, DC metropolitan area. He remains professionally active and has served on various financial systems implementation panels. He also led several Request for Proposal initiatives that led to successful contract wins.

Mr. Staub received his Bachelor of Science degree in Accounting from George Mason University. He is a frequent presenter at a local institution where he serves as Treasurer of the Board of Directors.

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Contract Vehicles

GSA

8(a) STARS III

Contract No. : 47QTCB22D0117
DUNS No. : 828342589

Scope: NAICS Codes: 541512, 541511, 541513, 541519, 518210

Scope Sub-Area: Sub-Area 1: Emerging Technology-Focused IT Services

Period of Performance:
February 07, 2022 – July 01, 2026

Multiple Award Schedules

Schedule IT-70

Contract No. GS-35F-145CA

Resources & Facilities Management
Database Planning and Design
Systems Analysis & Design
Network Services
Programming
Millennium Conversion Services
Data/Records Management

INCATech was awarded
GSA Schedule IT-70 in January 2015

Professional Services Schedule (PSS)

Contract No. 47QRAA20D0031
Expiration: December 11, 2024
Duration: 5-year base + two 5-year options

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Contract Vehicles

Army ITES-3

Contract No. W52P1J-18-D-A050
Period of Performance: 9/24/2018-
9/23/2027
Type: Subcontractor

• Business Process Re-engineering

• Information Technology Services

• Enterprise Design

• Integration and Consolidation

• Program/Project Management

• Systems Operation and Maintenance

Seaport NxG

Contract No. N00178-19-D-7895
Period of Performance:
01/02/2019 – 12/31/2029
Type: Prime

• Engineering Services

• Program Management Services

FAA eFAST

Contract No. DTFAWA13A-00230
Period of Performance:
Expiration: September 30, 2029
Duration: 5 year base + 2 five year options

Functional Areas:
• Business Administration & Management
  (BAM)
• Computer/Information Systems
  Development (CSD)
• Computer Systems Support (CSS)
• Documentation & Training (D&T)
• Engineering Services (ES)
• Research & Development (R&D)

*Accessible to all Federal Agencies

GTSS 2.0

Contract No. 70RTAC19A00000015
Period of Performance:
9/30/2019 – 9/29/2024
Contract is BPA for Geospatial work.
Task Areas:
Program/ Project Management
Systems Engineering & Lifecycle Support
Geospatial Information Management
Support
Enterprise & Technical Architecture
Support
Data Management Support
Operations and Maintenance

GRASP

Contract No. 75D301-23-A-15964
Period of Performance:
05/01/2023 – 04/30/2028
Type: Prime

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Accolades

Inc. 5000 Fastest Growing Company

On March 17, 2021, Inc. magazine named INCATech No. 208 on its second annual Inc. 5000 Regionals: D.C. Metro list, the most prestigious ranking of the fastest-growing Washington, D.C., area-based private companies. On August 13, 2020, INCATech was named one of the fastest-growing private companies in America.
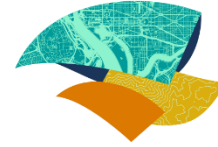
Federal Small Business Specialty 2023 Award Winner
Partner of the Year

February 2023, INCATech received the Esri® Federal Small Business Specialty Partner of the Year Award, delivering integrated geospatial solutions and comprehensive geospatial support services using Esri® technologies for key customers at the NTIA and DHS. This award was received with great pride as INCATech strives to serve its customers and their missions with daily dedication, a devotion to work performance, and a demonstrative depth of expertise and innovation.

CIO Applications – Top 10 Esri® Service Companies

In April 2021, INCATech was recognized by CIO Applications as one of the top Esri® Service Companies of 2021 for delivering breakthrough results in business & mission performance. To read the full article go to https://www.cioapplications.com/magazines/April2021/ESRI/?digitalmagazine#page=28.

Best of Reston Award for our IT services

In May 2019, Innovative Computing & Applied Technology has been selected for the 2019 Best of Reston Award in the Information Technology Services category by the Reston Award Program.

SECAF - Project of the Year Award

In May 2023, Innovative Computing & Applied Technology was selected for the 2023 Project of the Year Award for work done on PRIDS for JPRA.

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Certifications

CMMI® DEV | ML 3 APPRAISED
Appraisal # 60610 | Exp. Jan 13, 2026

CMMI® SVC | ML 3 APPRAISED
Appraisal # 60610 | Exp. Jan 13, 2026

CERTIFIED
SWaM Small, Women and Minority-Owned
Supplier Diversity Strengthens the Commonwealth
by the Virginia Department of Small Business & Supplier Diversity

An appraisal at maturity Dev & Service level 3 indicates the organization is performing at a "defined" level. At this level, processes are well characterized and understood, and are described in standards, procedures, tools, and methods. The organization's set of standard process, which is the basis of maturity Dev & Service level 3, is established and improved over time.

The State of Virginia has designed INCATech LLC as a Virginia-based, Small, Woman-Owned, Minority-Owned Small Business. This designation allows INCATech to access set-aside contracts within the State of Virginia for diversity and equal opportunity.

QAS International
ISO/IEC 27001:2022
REGISTERED COMPANY
Certificate No. U111 272

The certification recognizes organizations as a trusted partner for organizations seeking cutting-edge solutions while prioritizing the security and confidentiality of their data.

ISO 9001:2015
SRI® CERTIFIED

ISO 9001:2015 Certified

The certification recognizes organizations that can link business objectives with operating effectiveness. Companies that achieve management system certification to ISO 9001:2015 have demonstrated effective implementation of documentation and records management, top management's commitment to their customers, establishment of clear policy, good planning and implementation, good resource management, efficient process control, measurement and analysis. Continual improvement has been institutionalized.

Disadvantaged Business Enterprise (DBE) Certification

This certification allows INCATech to access government contracts set-aside for DBE businesses and promotes diversity, accessibility, and representation for marginalized founders.

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Partners

esri Partner Network **Silver**

INCATech is a Federal Small Business Silver-level partner of Esri, the global market leader in GIS. INCATech teams with Esri on Solution and Delivery, Professional Services, and research-oriented engagements. INCATech's contributions have won Esri's recognition, receiving the Federal Small Business Specialty (FSBS) New Partner Award in 2018, and the FSBS Delivery Partner Award in 2020. INCATech possesses Esri's "Release-Ready" designation because our team is actively staying updated with the latest ArcGIS software releases from Esri.

Voyager

INCATech is a partner with, and a certified reseller of, Voyager Search software. Voyager Search provides Smart Spatial Search solutions to customers seeking an answer to frustrating, time-consuming search and workflows. Our off-the-shelf cognitive search platform combines best-of-breed search and spatial technologies and makes developing an enterprise search engine easy

COMMUNITY Solution Partner | **CERTIFIED RESELLER**

As an Adobe solution partner and certified reseller, INCATech receives product and software training, connection with other technology partners, delivers world-class solutions with their product suite such as Adobe Experience Manager (AEM).

Microsoft Partner

INCATech partners with Microsoft to customers proven experience and expertise designed to help you achieve more with innovative Office apps, intelligent cloud services, and world-class security

GitLab

INCATech is partners with GitLab, an open DevOps platform that is a single application for unparalleled collaboration, visibility, and development velocity.

Virginia Department of Veterans Services Virginia Values Veterans V3 Program

INCATech is partnered with the Virginia Department of Veterans Services, Virginia Values Veterans (V3) program.

aws PARTNER Select Tier Services | **aws PARTNER Public Sector**

INCATech is partnered with the Amazon Web Services qualified to help customers transform and accelerate their journey to the cloud.

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Primary NAICS Codes:
- ❖ 541511 – Custom Computer Programming Services
- ❖ 541512 – Computer Systems Design Services
- ❖ 541519 – Other Computer Related Services
- ❖ 541611 – Administrative Management Consulting Services
- ❖ 541618 – Other Management Consulting Services
- ❖ 541330 – Engineering Services
- ❖ 541370 – Surveying and Mapping

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