Applied Technical Systems, Inc.

MISSION FIRST. PEOPLE ALWAYS.

CMMISVC/2 SM

CMMI®V2.0 / Exp. 2024-05-13 / Appraisal #54290

ISO 9001:2015

PMP®

Veteran Institute for Procurement GRADUATE

ITIL® 4 FOUNDATION

DUNS: 004821021

CAGE: 2T143

UEI: MBZNVF856C81

DCAA Approved Accounting System

DCMA Approved Property Management System Secret Facility Clearance Accreditations

- CMMI Services Level 2
- ISO 9001:2015
- Oracle Gold Partner

Consortiums

- Undersea Technology Innovation Consortium (UTIC)
- Information Warfare Research Project (IWRP)
- Training and Research Accelerator (TREX)

Contract Vehicles

- GSA IT Schedule 70
- Navy SeaPort NxG
- DOT FHWA SESS BPA
- ITES-3S (sub)
- VETS2 (sub)
- ESITE (sub)
- WA State DES MSA

Software Development, Data Analysis, & IT Support

- Enterprise Data Integration
- Business Process Optimization
- Requirements Definition and Review
- Application Design
- Testing and Deployment Services
- User Experience Design
- User Interface Design
- IT Infrastructure
- Help Desk Support
- Cloud Computing/Migration
- Software Development
- Cybersecurity

Engineering and Technical Services

- Alteration Installation Team (AITs)
- Technical Documentation
- Technical Manuals
- In Service Engineering
- Ship Change Documents/Ship Installation Drawings
- Training Support
- Programmatic Support
- Systems Engineering
- RDT&E
- Test and Trials Support

Integrated Logistics Support

- Inventory Management
- Technical Data Management
- Performance Based Logistics
- Supply Chain Management
- Provisioning
- Configuration Management
- Lifecycle Cost Reduction
- Onsite ISEA Support
- Life Cycle Sustainment Planning
- Obsolescence Management
- Surveys and Material Condition Assessments

Partial Client List

- USPTO
- NSWC Crane
- FEMA
- COMNAVAIR
- US Army CERDEC
- PMS 312
- FAA
- US Army INSCOM
- PSNS
- Microsoft
- Biotech Firms
- Nuclear Plants
- USDOT
- NUWC Keyport
- NAVSEA
- Pierce County
- Basketball Travelers Inc.
- NSWC PCD

Points of Contact

Jon Guidry

Chief Operating Officer
jon.guidry@atsid.com
360.989.334

Michele Myers
Chief Experience Officer
michele.myers@atsid.com
813.220.0340

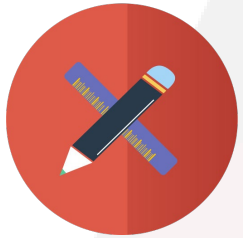
www.atsid.com

Locations

Panama City
4001 23rd St.
Panama City, FL 32405
337.280.5447

Development Languages & Tools

- Java
- JavaScript
- Node/NPM
- React
- React Native
- AMD & Common JS
- HTML
- CSS3
- Bootstrap
- Semantic
- Webpack
- Gulp
- Jest
- Chai
- Mocha
- JSP
- Servlet
- JSF
- JDBC
- JMS
- JAXP
- JAXB
- JAX-WS
- JAX-RS
- Spring
- Hibernate
- AJAX
- REST
- Tomcat
- Jboss
- Weblogic
- WebSphere
- OC4J
- Jenkins
- RedHat
- Puppt
- Nexus
- Oracle
- SQL Server
- DB2
- H2
- SQL
- PL/SQL
- Maven
- Ant
- Windows
- Linux
- zOS
- .NET
- C#
- VB.Net
- MSSQL
- Entity Framework
- Signal R
- Git
- GitHub
- GitLab
- TFS
- Travis-Ci
- AWS EC2
- Elastic Beanstalk
- RDS
- S3
- FlowType
- TypeScript
- Objective-C
- Swift
- Angular
- NPM
- Yarn
- Visual Studio Code
- Xcode
- Android Studio
- Eslint
- WCAG 2.0AAA
- Play
- ExpressJS
- Koa
- Nginx
- IntelliJ IDEA
- Docker
- Fastlane
- Prettier
- New Relic
- PagerDuty
- ZenDesk
- Postgres SQL
- Redis
- Ubuntu
- Python
- NLP
- Apache Hadoop
- Apache Cassandra
- Apache Storm
- Apache Accumulo
- Apache Kafka
- Microsoft Power BI
- .Net Core
- SQLite
- noSQL
- Database Normalization
- Database Indexing
- AWS GovCloud
- UNIX
- Powershell
- Openshift
- Kubernetes
- Linux
- Windows Server Admin
- ETL
- Rest
- Hadoop
- Tomcat
- MS SQL
- My SQL
- Oracle
- Spark
- Docker
- Hadoop
- Postgres SQL
- Tableau
- Tableau API
- Automated Workflows
- Ansible
- LDAP
- Matomo
- Typescript
- Jenkins
- C
- L
- C++
- Perl
- JSON
- UML
- Rhapsody
- SysML
- Neo4j
- Mongo DB
- Spring Data
- Angular JS
- Selenium
- AWS
- R
- And more…

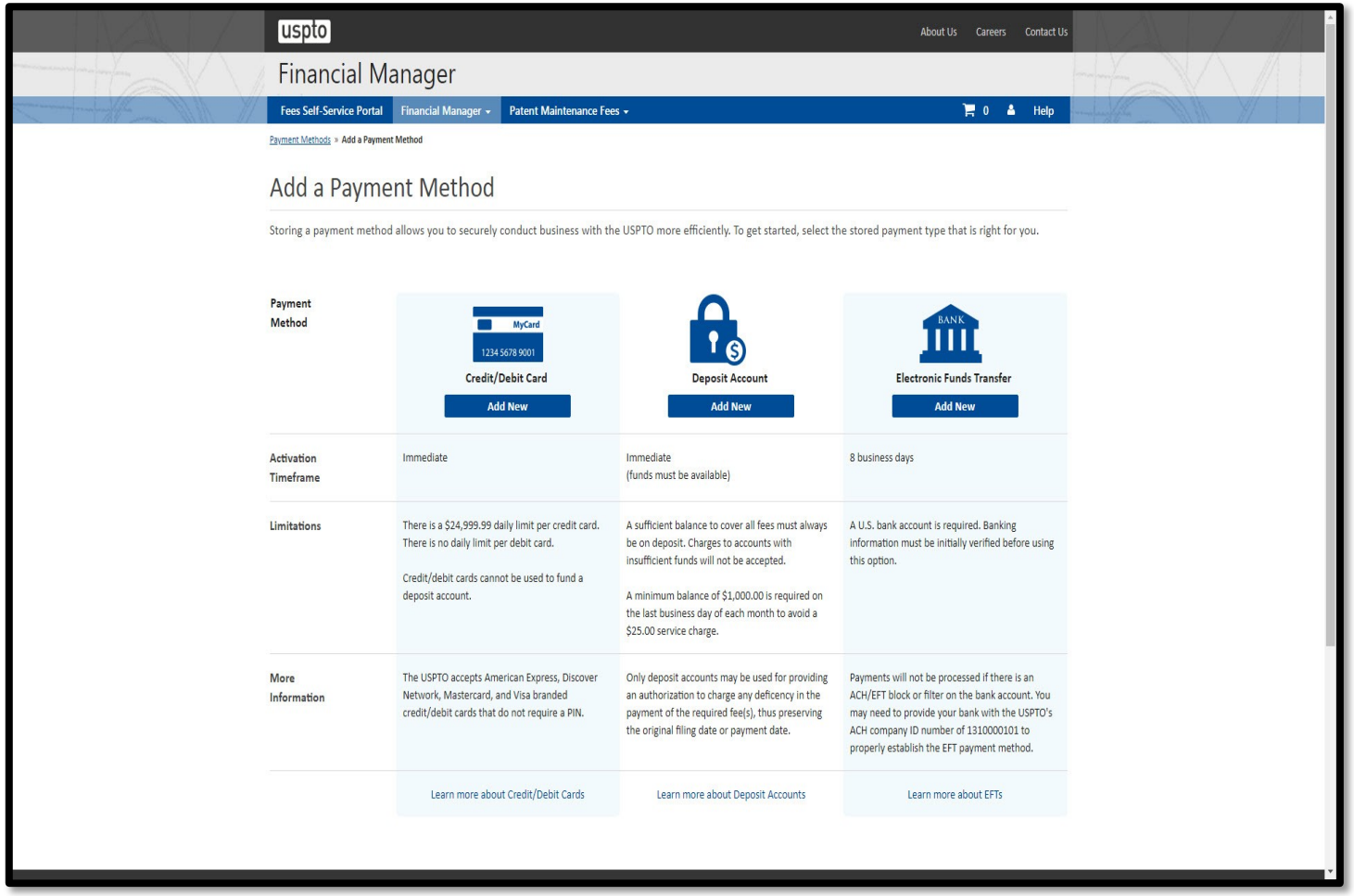


Collaboration Tools and Processes

- Agile Scrum
- Kanban
- Waterfall
- CMMI
- ISO
- PMBOK
- BABOK
- User Centered Design
- Jira
- Confluence
- Rally
- AWS
- Azure
- SharePoint
- Slack
- Google Suite
- Microsoft Suite
- Adobe Suite
- Deltek Suite
- Smartsheet
- RealTimeBoard
- Design Sprints
- Teams
- Zoom
- Trello
- Git
- And more…

Recent Projects

USPTO Fee Processing Next Generation (FPNG)

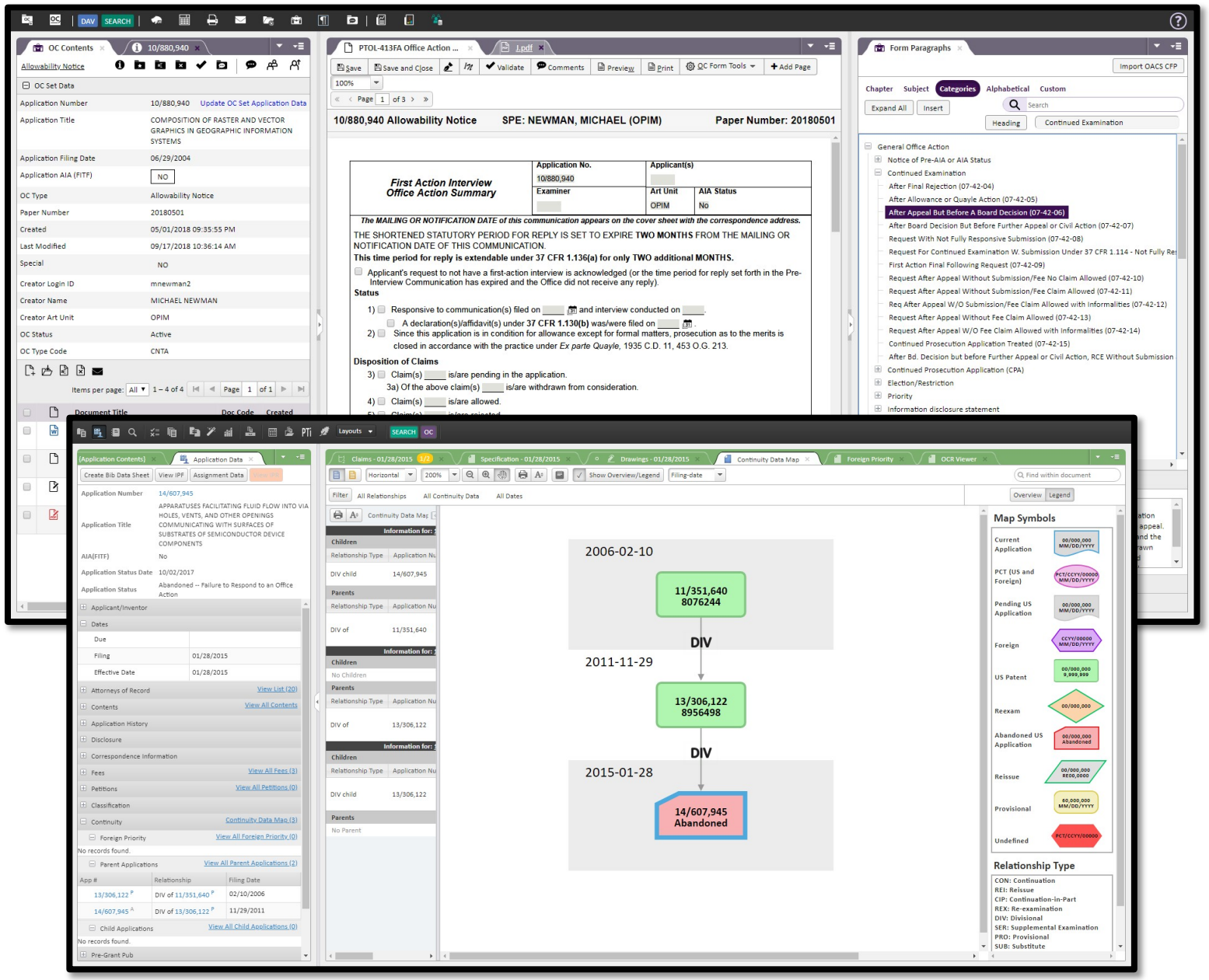


By replacing old-fashioned bank drafts with the ability to process credit cards and take electronic payments (such as Paypal and Venmo), we modernized how the USPTO processes the fees associated with patents and trademarks.

Our Data Scientist introduced a new way of processing information, our User Experience personnel overhauled the user interface to make it more user friendly and our developers introduced Agile development methodologies.

The new system is faster and more accurate, has the ability to rapidly change and deploy, and it's user-friendly. The new system continues to received high accolades from internal and external users.

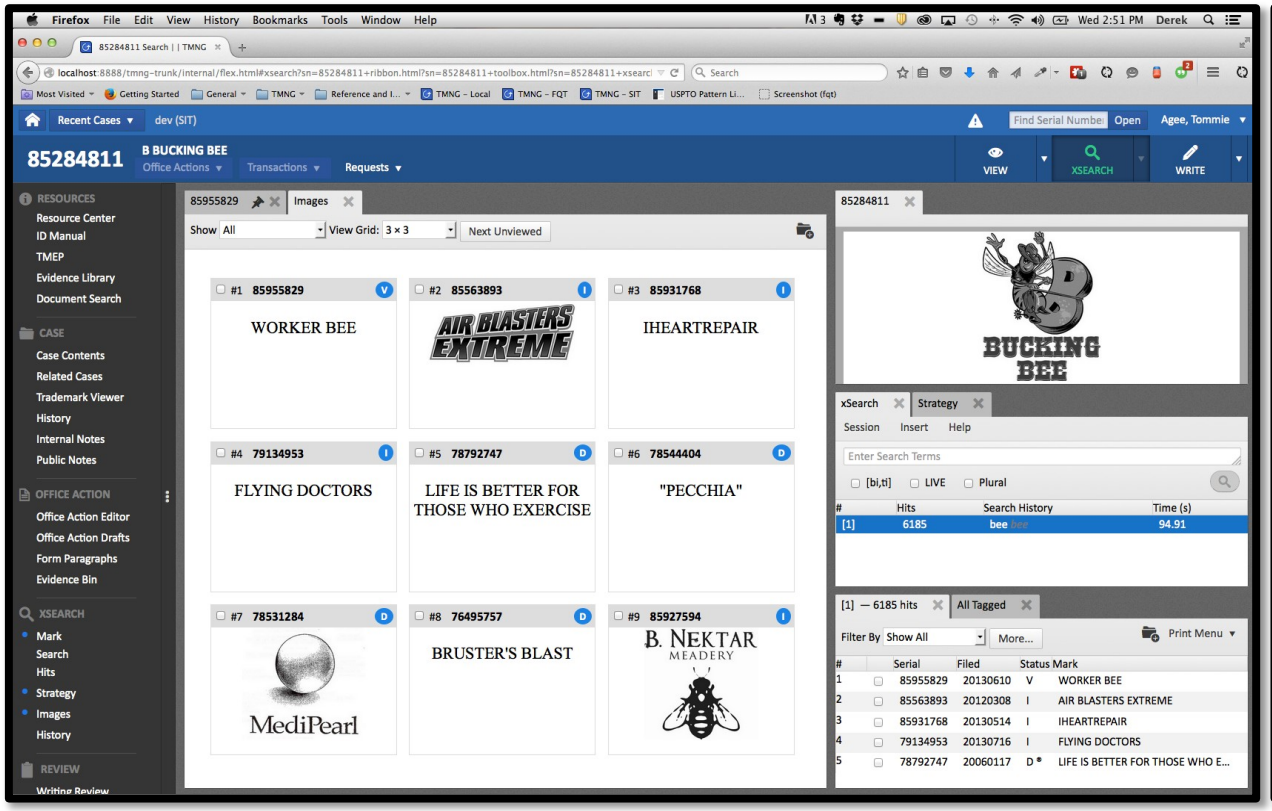
USPTO Patents End to End (PE2E)

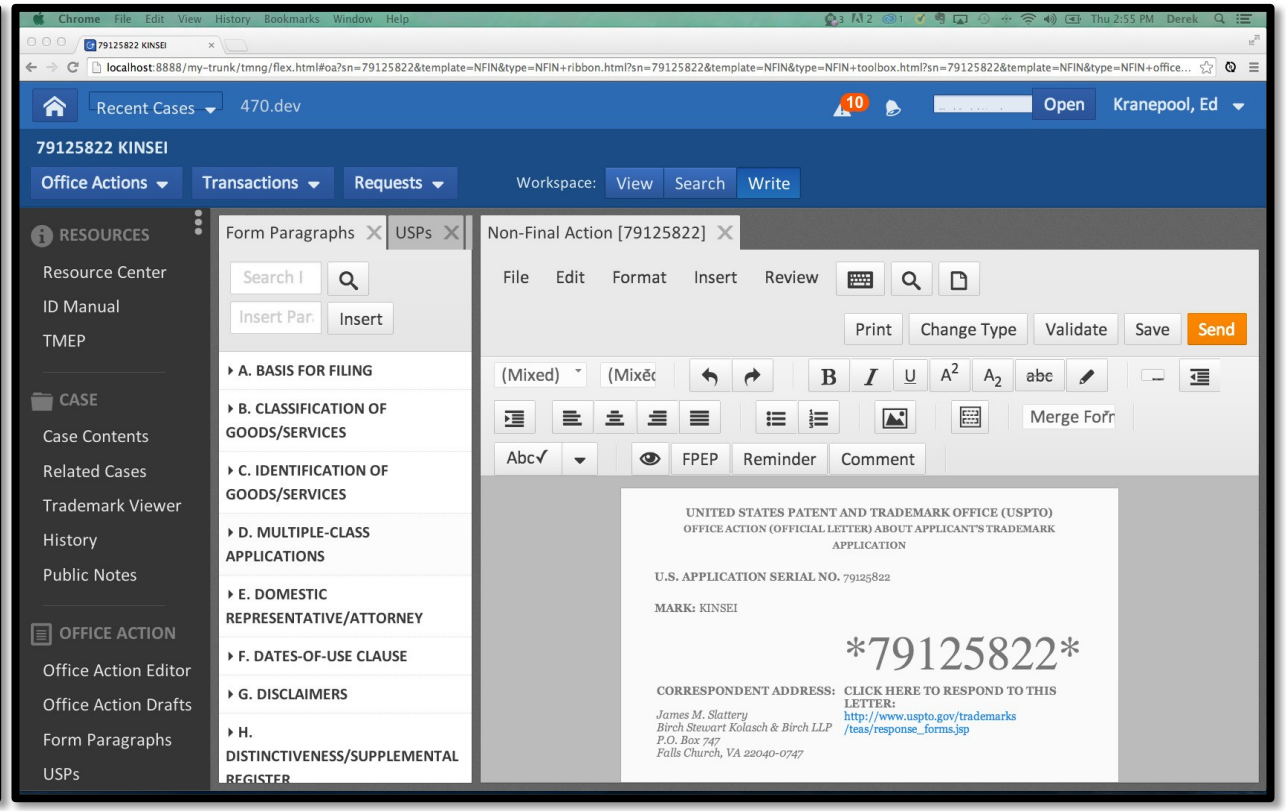


Our User Experience and Design experts redesigned the core business systems that support patent examination. Using our new system, USPTO reduced their patent approval process from over 2 years to just 10 months, allowing America's innovators to protect their intellectual property in a much more timely fashion.

USPTO Trademarks Next Generation (TMNG)

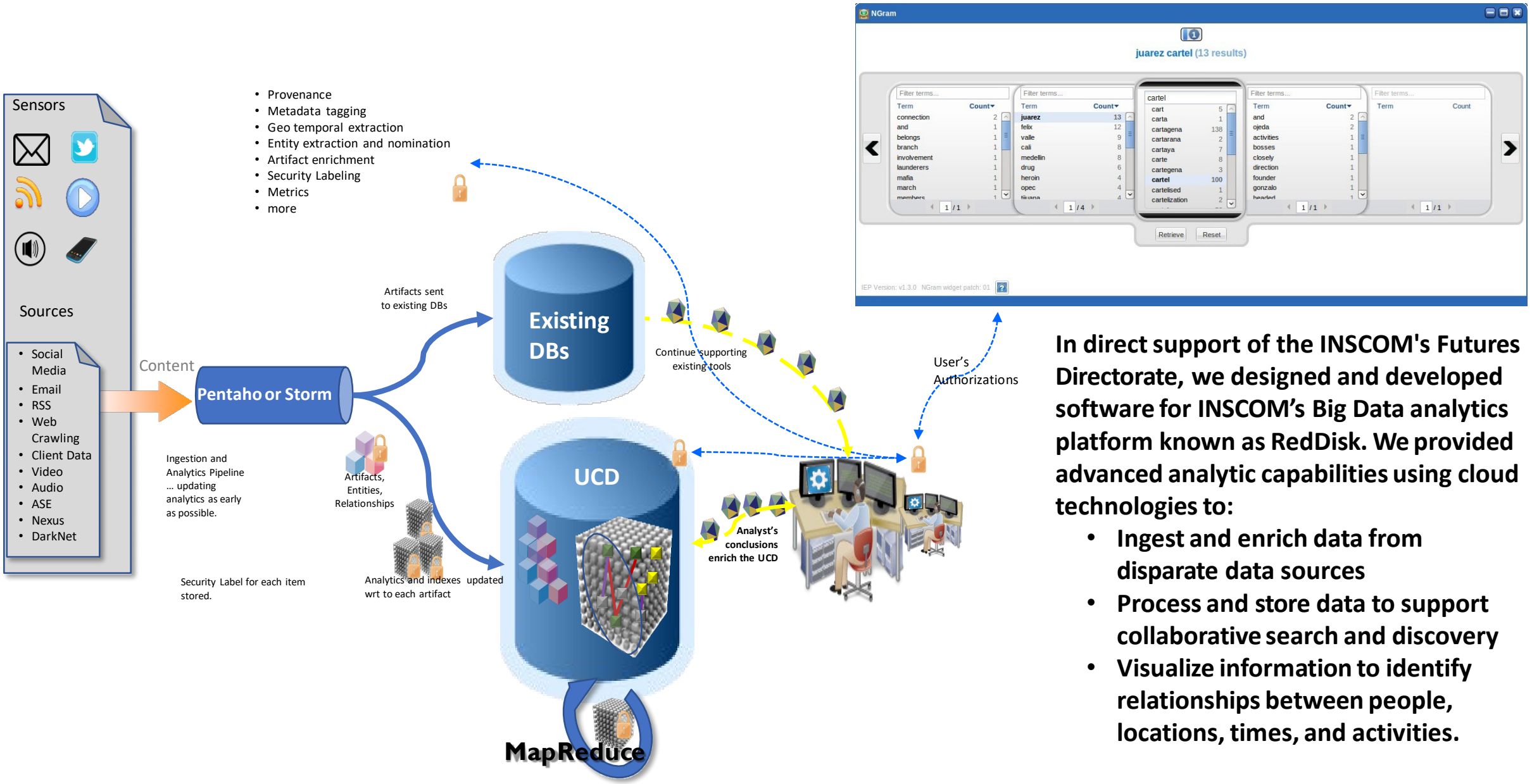
ATS





We led the user interface design and development during the redesign of the core business systems that support trademark examination.

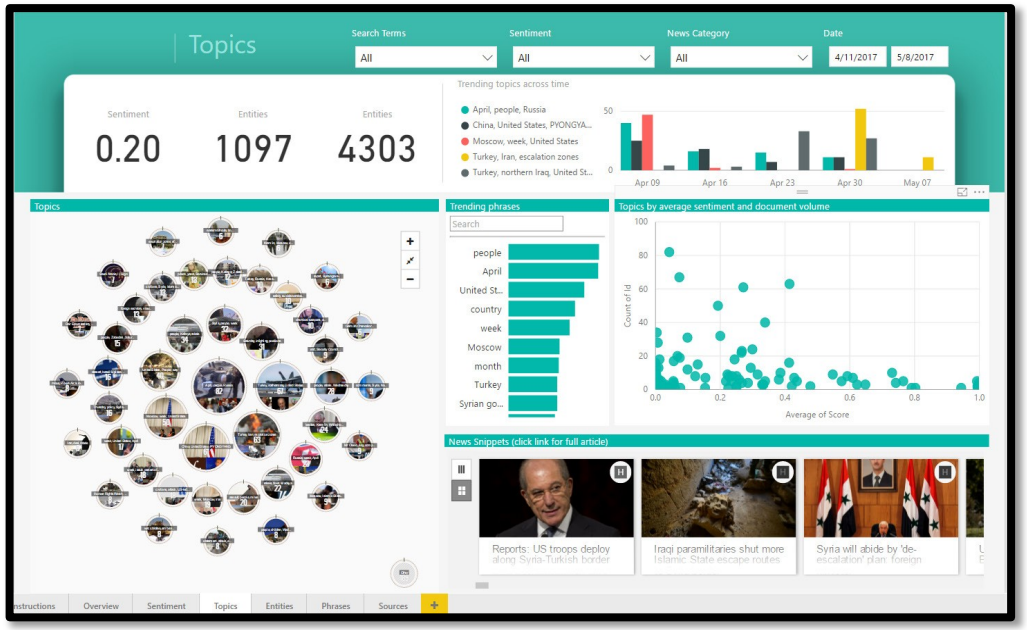
U.S. Army INSCOM: Unified Cloud Data

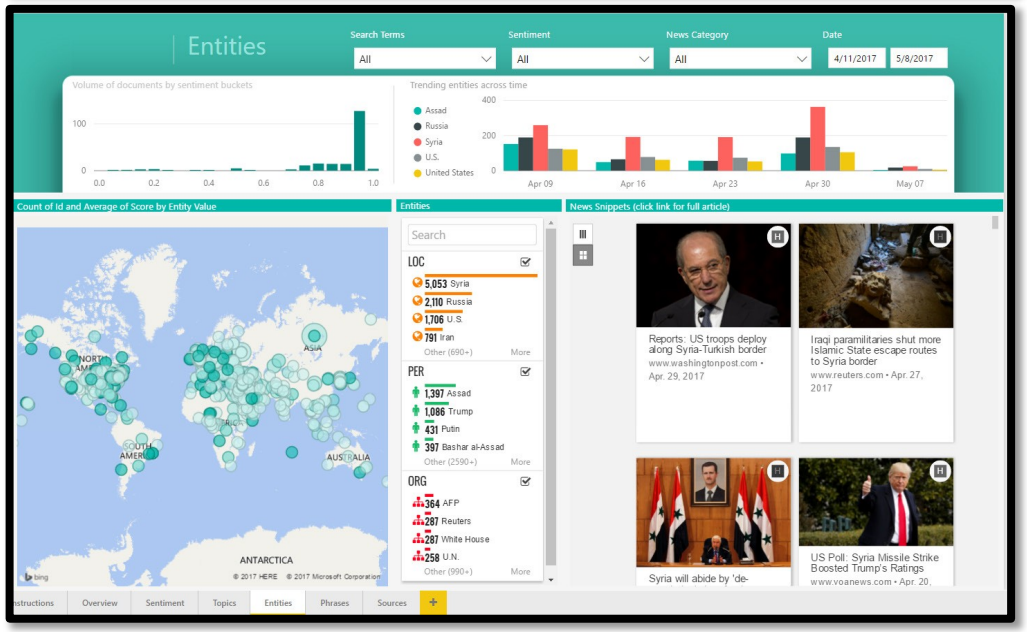


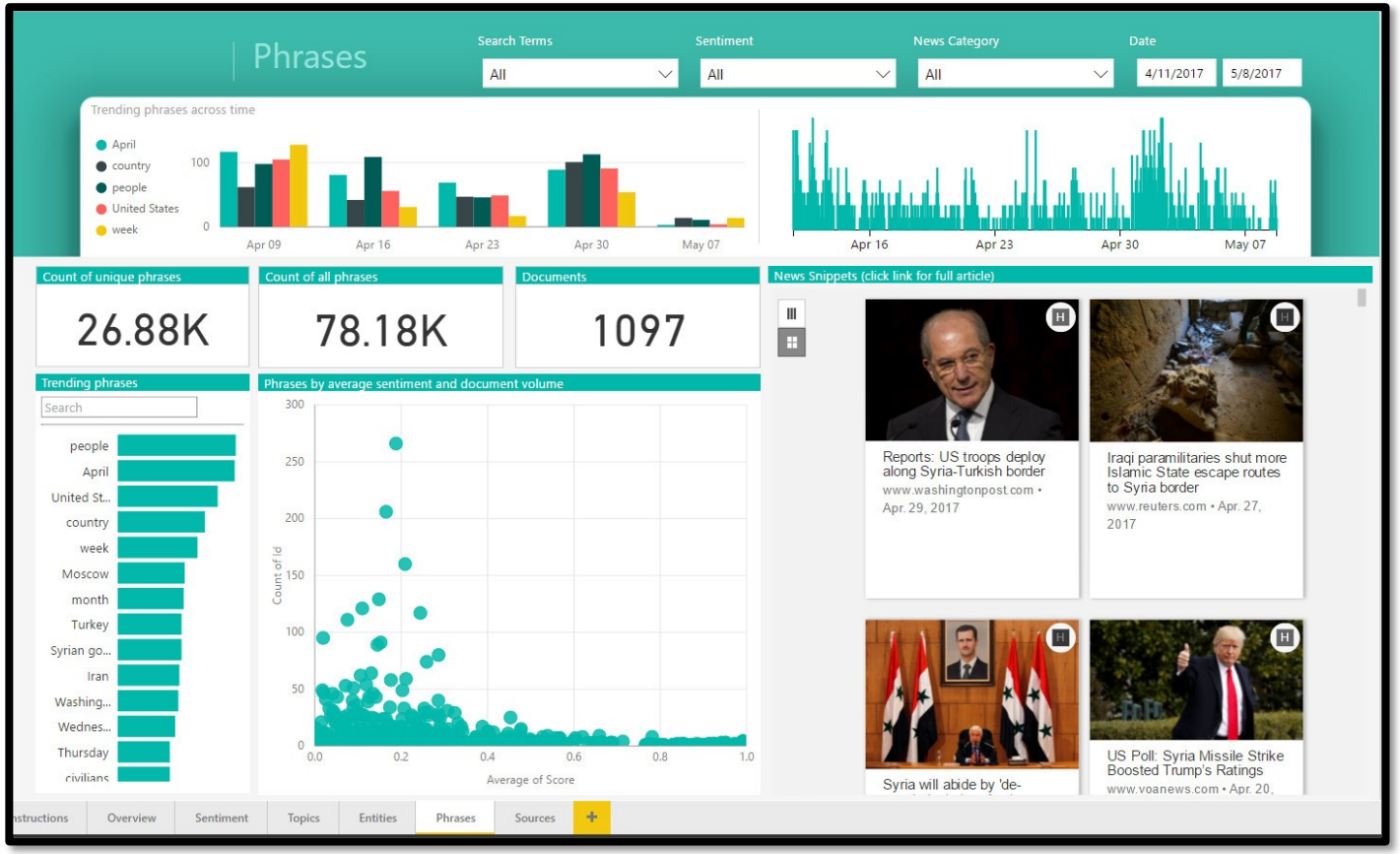
In direct support of the INSCOM's Futures Directorate, we designed and developed software for INSCOM's Big Data analytics platform known as RedDisk. We provided advanced analytic capabilities using cloud technologies to:

- **Ingest and enrich data from disparate data sources**
- **Process and store data to support collaborative search and discovery**
- **Visualize information to identify relationships between people, locations, times, and activities.**

Microsoft Corporation R&D







We used advanced data analytics to combat fraud and phishing. We created scalable solutions using Microsoft Azure cloud platform and AI. Four of our solutions were released as Microsoft products.

Biopharmaceutical Systems Development

Since 2014 we've supported one of the largest research based bio-pharmaceutical companies in the world. We've developed and maintain eight applications that support nearly 10,000 users to meet a variety of vital business needs. Our applications:

- Increase collaboration
- Reduce errors
- Automate data ingestion
- Automate validation processes
- Centralize application operations.

Our program is considered the "Gold Standard" for all projects across our customer's enterprise. All our efforts meet ISO 9001:2015 and CMMI Dev Level III standards. Since the applications we develop undergo a formal validation process by the Food and Drug Administration (FDA), we meet these standards to assure our customer that their data is protected whether in transit or at rest and that data pedigree is proven prior to use.

We also provide Tier II and Tier III Help Desk Support.

PSNS & IMF IT Support

We support Booz Allen Hamilton (BAH) in the operations and maintenance of the PSNS network, corporate and local application management, application processing, Information Assurance (IA), security, and customer support at the primary maintenance facility and at regional centers. The PSNS & Intermediate Maintenance Facility (IMF) local area network (LAN) is a general support sensitive unclassified network that operates in UNIX, Linux, and Windows environments. We help maintain the network's office automation tools for PSNS & IMF administrative, investigative, analytical, technical, engineering, and production personnel in carrying out their mission-related functions. Our administrative support is facilitated using COTS products and Government off-the-shelf (GOTS) applications (both locally developed applications and corporate applications). The PSNS & IMF LAN provides access to information resources via commercially obtainable equipment (COE) including communication equipment, servers, workstations, and peripherals. This environment also supports Outside of the Continental United States (OCONUS) infrastructure providing network connectivity to approximately 300 OCONUS workstations.

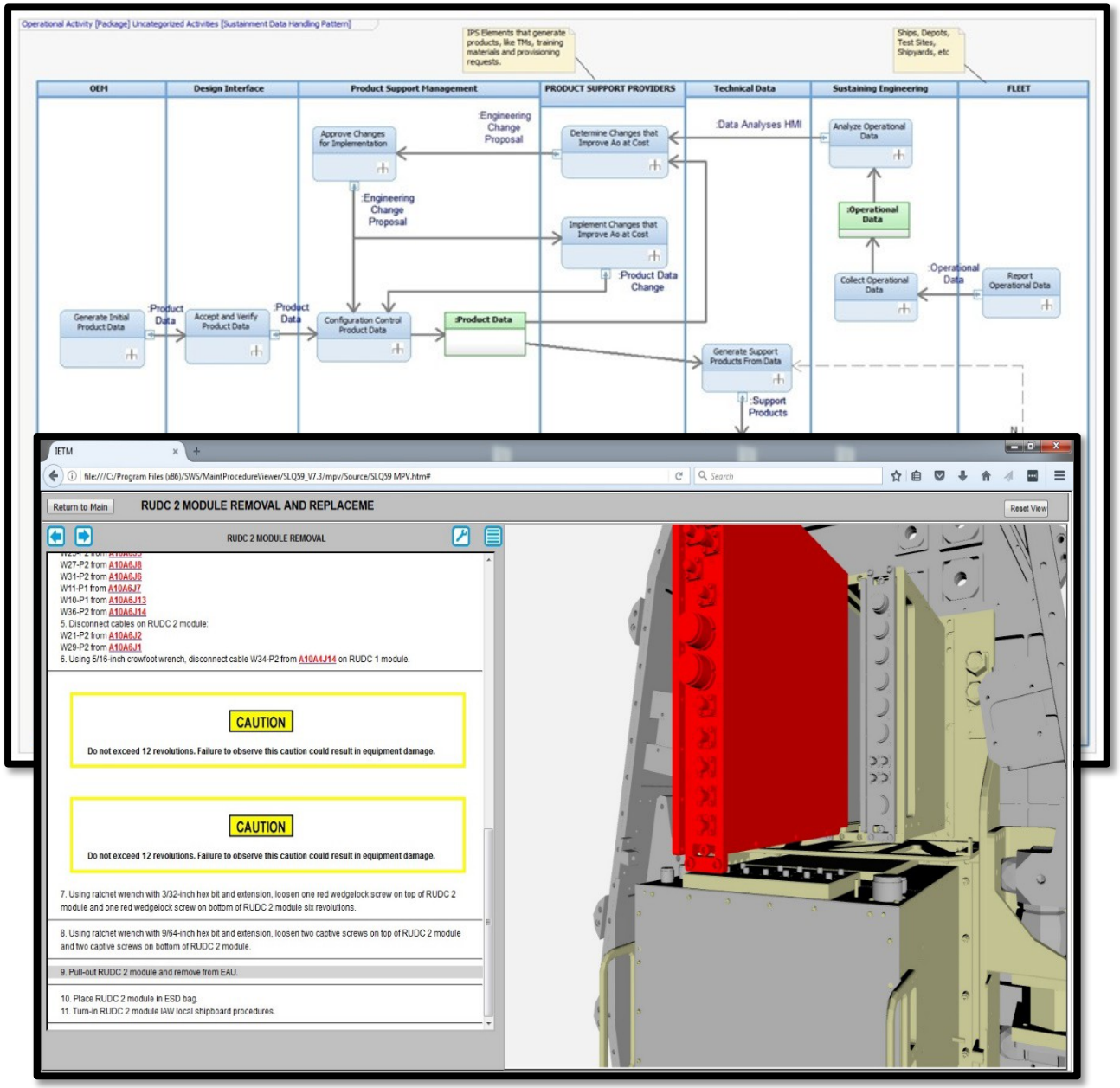
FAA Aerospace Medical Safety Information System (AMSIS)

We are working with the Federal Aviation Administration (FAA) in their efforts to design and build a new Aerospace Medicine Safety Information System (AMSIS) to help pilots and aviation personnel request their medical certification and follow drug abatement safety protocol. Working closely with cross-functional team leads (Product Owners, Lead Architects, Quality Assurance, and SCRUM master teams), we are discovering customer pain points through user research and assisting in defining product scope through business analysis. Our objective is to design a single cohesive, intuitive and delightful next generation web-based software from five distinct legacy systems.

Responsibilities:

- Produce wireframes and high fidelity prototype
- Create internal team workflow development and design processes for screen review and handoff
- Generate content and facilitate Early User Involvement Event (EUIE) and Remote Screen
- Review Sessions for end-user feedback and comments
- Facilitate meetings with both product owner team and lead architects to ensure both FAA and technical requirements are being successfully met though the UI screen reviews
- Test for software usability and functionality

NSWC Crane Common Digital Sensor Architecture (CDSA)



We worked with NSWC Crane's Maritime Electronic Warfare Systems Division (MEWSD) to design and develop a Total Life Cycle Systems Management (TLCSM) environment. Our goal for this effort was to design and implement the processes, data, and automation required to perform TLCSM for weapon systems in a performance-based, data-driven manner. We developed the TLCSM model adhering to three principles:

- Use data to drive decisions: Each process model identifies data inputs and outputs to drive acquisition and sustainment decisions.
- Automate the generation of support products: Often support products like technical manuals, allowance lists, and installation drawings are generated from scratch, ignoring very similar efforts performed in earlier life cycle stages. We approached TLCSM from the perspective that all support products are to be generated from a single data source.
- Optimize Affordable System Operational Effectiveness: It all comes down to making the systems work when and where they are needed.

We used a model based systems engineering approach, modeled over 400 processes, and prototyped over 25 tools to increase operational availability and lower costs.

NSWC Crane ILS Support

For over eight years, we supported NSWC Crane's Maritime Electronic Warfare Systems Division (MEWSD) by providing the following services: program management, requirements analysis and business process re-engineering, system development, testing, implementation, training, configuration management (CM), software maintenance and upgrades, security and information assurance compliance support, and integration/interface with external systems. Additionally, we provided integrated logistics and program management support to the ISEA for the following systems: AN/ALQ-248 Advanced Off-board Electronic Warfare (AOEW) Payload, MK59, SEWIP BLK 2, SEWIP BLK 3, AN/SLQ-32 (V)6, SLQ-59, SLQ-62, SKC.

We conducted sustainment analysis on in-service systems to drive management decisions and activities.

- For AN/SLQ-32(V)3, MSAT analysis improved availability and reduced sustainment costs by revealing a significant and very costly PMS issue with the Electron Tubes being replaced prior to failure. This issue was $7 M (39%) of the total cost, drove 30% of all parts demands, and 94% of those demands occurred during PMS ($6.58M)
- For AN/SLQ-32(V)3, MSAT analysis reduced sustainment costs by revealing 306 on-board replacement National Item Identification Numbers totaling $1.6 M with no demand and $1.2 M demands with no allowance.
- MSAT analysis identified 28 APLs for CVN-72 were missing. The missing information included APLs for the entire starboard AN/SLQ-32(V)3 antenna array. This meant that On Board Repair Parts (OBRP) could not be obtained through normal means this significantly increasing time to repair and reducing A_o.

We were requested to be the CM lead for AN/SLQ-32(V)6.

Engineering Maintenance Services - CNAP

We provided Program Management, Information Technology (IT), Engineering, Technical, Integrated Logistic Support (ILS), Training, and Lifecycle Management Services to Commander, Naval Air Forces (CNAF) aircraft carriers. Our services included the following: Alteration Installation Team (AIT) logistics products development and Quality Assurance; ILS Certification documentation review and tracking to support Integrated Logistics Support Management Team (ILSMT) meetings; Plan of Action and Milestones (POA&M) development to support ship visits; provided executive level reviews and briefs to support Maintenance Figure of Merit (MFOM) Automated Work Notification (AWN) functionality to support aircraft carrier material condition assessments; ship elevator, conveyor, and combat systems material condition assessment support documenting 3M maintenance data; created maintenance actions in Organizational Maintenance Management System-Next Generation (OMMS-NG); requisitioned repair parts in R-Supply, tracked cost and status; operational and interoperability test plan development and maintenance; configuration validation and material condition status; tactical software, Maintenance Assistance Module (MAM) and technical manual inventories; database and document management; metrics database development and maintenance; CM to include CDMD-OA work file submission; portable LAN maintenance; assessment personnel management; data quality assurance; technical and logistics training; meeting representation; and Maintenance Support Center (MSC) training curriculum development and instruction to include PMS review with Technical Feedback Report (TFBR) development; and Casualty Report (CASREP) data review and Technical Manual Deficiency Evaluation Report (TMDER) development.

NSWC PCD Logistics and Technical Support

Our Systems Engineers and Technical Team are currently supporting production and depot-level maintenance through our Integrated Logistics Support (ILS) and Support Equipment management contract, for NSWC PCD Codes A and E, In-Service Engineering Agents (ISEA). We routinely support programmatic engineering and technical applications for developing processes, updating, or reviewing engineering and ILS Plans, collecting logistics design requirements, reliability and maintainability, system safety, maintenance engineering, support and test equipment, training and training devices, manpower and skills, facilities, transportation, supply support, ordering and inventory, and parts packaging information.

The ISEA for the AN/ASQ-232A Airborne Mine Neutralization System (AMNS) and AN/SLQ-60 Surface Mine Neutralization System (SMNS), (SEAFOX) have tasked our engineers and team with supporting the ISEA readiness assessment exercises, depot level repairs, Engineering Change Proposals (ECP), Engineering Change Notices (ECN), to test the integrity of the surface and airborne mine countermeasures (SMCM/AMCM) systems. Our team is highly trained in prototype, production, and sustainment of engineering systems, maintenance, and overhaul of the SEAFOX.

We also provide direct support for the Technical Director, the Infrastructure Department, and Project Management Office for programmatic support and coordinating the implementation of NSWC PCD's $212M reconstitution efforts.

Other U.S. Navy Integrated Logistics Support

NSWC Crane WXP Depot Support

For years we've provided a variety of technical services including: Engineering Change Proposal (ECP) development and review; quality and safety test and repair; development of test procedures and documentation; maintenance, repair, and fabrication of test sets, test cables, test fixtures, and altitude chamber; repair parts inventory management and documentation using the parts management database; management of procurement processes; and, program management.

NSWC Crane Sea-Based X-BAN Radar (SBX-1) At Sea Support

We performed the SBX-1 vessel Storekeeper functions and provided material coordination support. We scheduled, tracked, and performed status maintenance requirements and actions in Shipboard Automated Maintenance Management Systems (SAMMS) and Shipboard Configuration and Logistics Information Program (ShipClip) databases. We provided inputs to technical documents; coordinates with the Forward Support Team (FST) the ground movement of supplies and equipment scheduled to board the vessel and participated in movement of tactical and facility equipment throughout the vessel.

NUWC DET FEO Norfolk Module Test and Repair (MTR) ISEA Logistics Support

For NUWCDETFEO NORFOLK we generate, review, analyze/evaluate, and produce test routines for technical data and technical data packages.

NSWC PHD RADAR ISEA Support (Virginia Beach Detachment)

We provide logistics services to include maintenance planning and analysis, logistics support analysis, provisioning data input, and maintenance planning support.

NUWC Keyport Code 40 ISEA Support

Our services include: database support for Configuration Status Accounting (CSA) for various Code 40 programs; technical documentation support of Performance Based Logistics (PBL); IWS technical documentation support,; PBL business case analysis & cost proposal development support; IWS system baseline and engineering support.

Washington State Department of Enterprise Services (DES)

We support WA State DES with the following Management and Business Analysis efforts:

- SERVICES TO ASSIST MANAGEMENT with operation or management of the agency, unit or division of the agency (when related primarily to the business processes of the agency, not to human resource issues).
- SERVICES THAT IMPACT AGENCY POLICY, regulatory, and business issues or that have broad agency or statewide policy implications. Services that result in operational or managerial recommendations (related primarily to business and policy issues), management reports and studies, including those requested by the Legislature, and feasibility studies with significant policy impact. Services for needs assessment and business process re-engineering related to the agency's business and policy responsibilities.
- SERVICES FOR PROGRAM DEVELOPMENT, implementation and coordination; program evaluation and/or external quality review; services for project management and quality assurance services (exclusive of information technology projects).
- STAKEHOLDER ANALYSIS to determine who the sponsor and key business stakeholders for a project will be and anyone else who needs to be involved, the multiple perspectives to be included in the requirements, and discover anyone else who needs to be involved.
- MAINTAIN REQUIREMENTS issues lists, contribute to the project implementation plan, and provide regular status updates. Create meeting agendas, type meeting notes to capture the results of discussions. Manage change requests as required.
- CHANGE MANAGEMENT to include updating business procedures, checklists, work aids, or new training materials.
- ASSIST ENTITIES IN MEETING OBJECTIVES AND GOALS. Understand how work is conducted, through analysis and determine solutions to issues. Solutions could include training, process changes, and modifications to business rules, modifications to or implementation of new technology, or a combination of all four.

Products/R&D

crew|Atlas

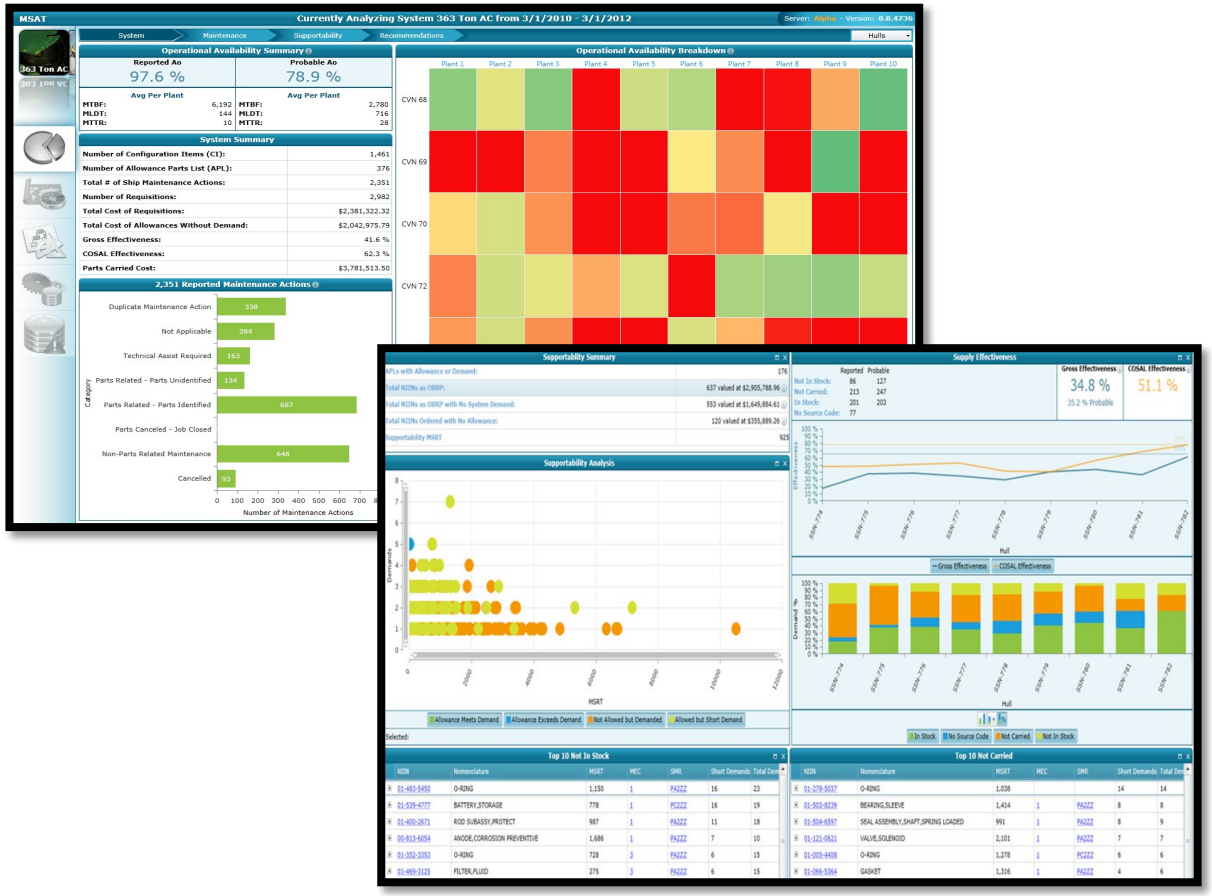
ATS

The CrewAtlas Electronic Crew Notebook reduces costs by helping nuclear power plant staff understand where their training efforts are needed most, thereby improving crew performance and performance standards for operational excellence.

CrewAtlas provides:

- **Comprehensive Evaluation Criteria**
- **Reporting for All Levels of Management**
- **Crew Critique Facilitates the Crew Critique Process**

Maintenance and Supportability Analysis Tool



Our Maintenance and Supportability Analysis Tool (MSAT) is an Integrated Data Environment that provides the means to directly control, manage and deliver critical logistics support information directly to users. MSAT helps deliver increased readiness that reduces system down time, lowers operational costs and increases Ao. MSAT provides:

- **Acquisition Support Analysis**
- **Maintenance/Supportability Analysis**
- **Maintenance Failure Root Cause Analysis**
- **Part Support Optimization**
- **Technical Data Quality Assurance**
- **Engineering, Maintenance and Logistic Data integration**

U.S. Army CERDEC

ATS

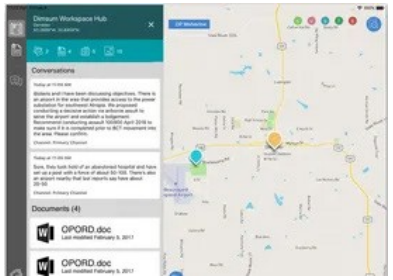
Mission Analysis Collaboration Hub (MACH)

Writing an effective operation order (OPORD) is a manual, time-consuming process. The Army Field Manual 5.0 directs warfighting units to allocate 20% of the total time devoted to MDMP for Orders Production. Because of this, we have been working on a new approach to OPORD production using technology to capture and automatically create content throughout the stages of the MDMP and make it usable when writing the OPORD. By improving the Army's tools to gather, organize, and write OPORD content, we have created a more efficient process for planners across all echelons.

Workspaces

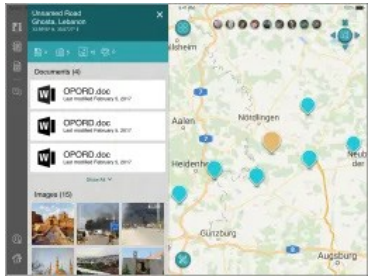
Real-time, collaborative "projects" where teams plan out missions.

Collaborative Planning



Teams plan out a mission in a multi-device, real-time environment.

Information Hubs



Automatically link and efficiently use related information.

Knowledge Gathering

Gather and tag useful information with smart notes.

Intelligent Templates

Smart notes populate a live-updating template of the document outline.

Document Drafting

Edit and review documents before publishing.


ATS