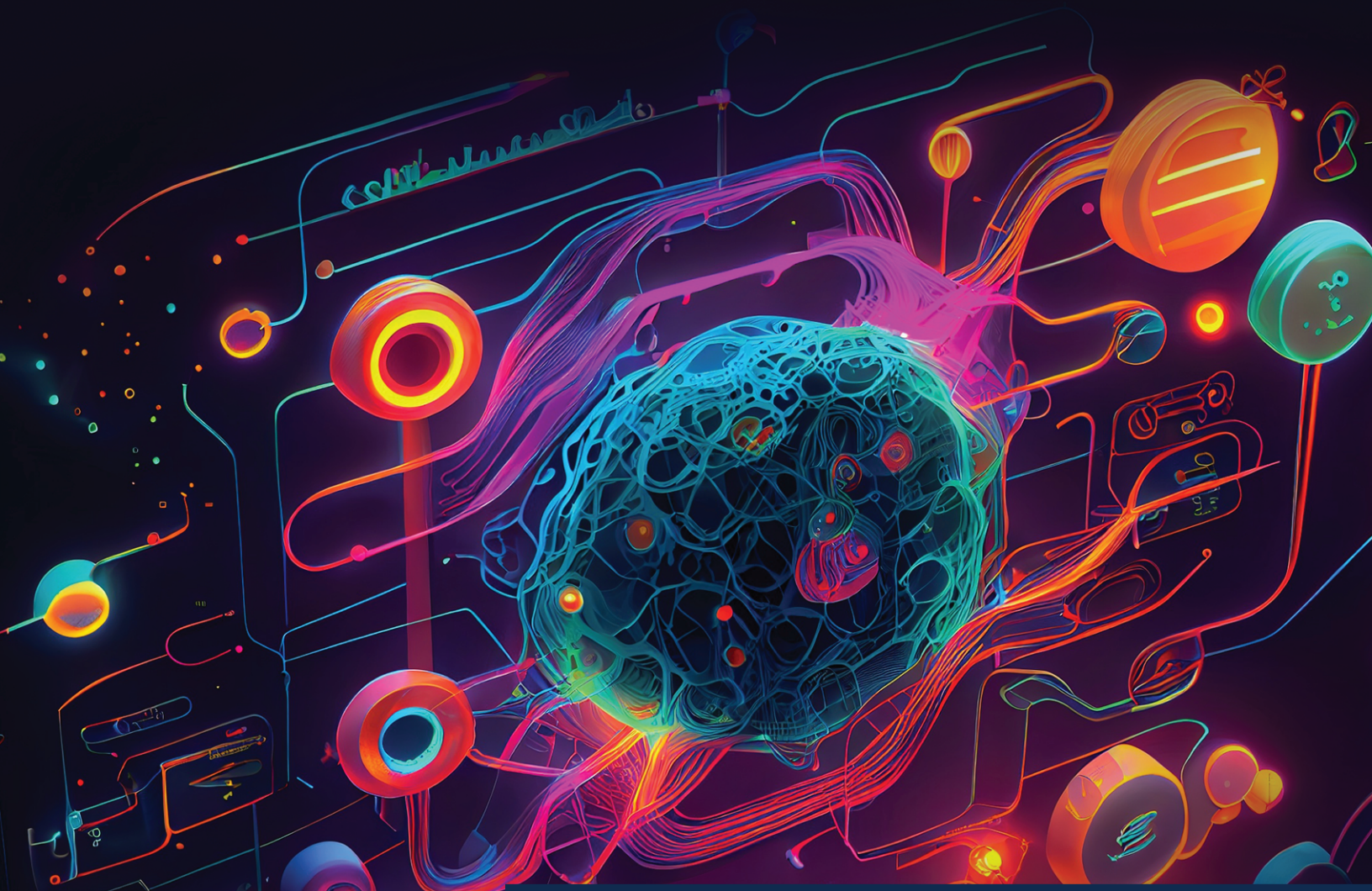
Big Data Automation



Applied Artificial Intelligence & Machine Learning

With more than 15 years of experience in data science, SNC is an early adopter of artificial intelligence (AI), natural language processing (NLP), machine learning (ML) and robotic process automation (RPA). We have data scientists and senior developers, advancing AI capabilities across Department of Defense and Intelligence Community (IC) entities. Our knowledge, expertise and capabilities developing advanced algorithms and analytics are tailored to meet every customer's needs.

Big Data Automation

Robust Data Science Capabilities

FEATURES & BENEFITS

SNC's cyber and data analysis teams are truly on the cutting edge, providing more than $200M in Big Data Solutions annually. Capabilities include everything from real-time "Big Data" analysis using Multi-INT sensor technology, to centralized visibility tools that enable rapid analytic, detection and reporting capabilities as well as advanced mission-level modeling using high-fidelity physics models. Our experience spans from data organization and cleansing to developing complex algorithms for advance analysis, predictive learning and process automation. Additionally, we make significant annual investments to explore leading-edge concepts, expand our algorithm library and enable open integration of AI/ML into existing platforms and advancing our software (SW).

CORE CAPABILITIES

- Experience leveraging petabyte scale unstructured and structured multi-source datasets
- Interoperability between disparate protocols and platforms via *SNC TRAX® Software*
- Collaborative partnerships with best-of-breed AI/ML providers and leading laboratories
- Open source and Multi-INT data use cases
- Hyperspectral image target processing
- Natural language processing (NLP)
- High quality labeled training data across multiple domains
- Metrics driven auto-labeling capability
- Object detection and computer vision

DIFFERENTIATORS

Expertise. SNC's cyber and data experts are dedicated to ensuring that our solutions are able to disrupt and upset even the most adversarial systems.

Trained Models. SNC's 15 years of experience developing advanced algorithms matured our AI/ML capabilities with unbiased, trained models.

Operationally Proven. Technical readiness level (TRL) 9 solutions fielded across DOD and the IC today with 60+ disparate systems integrated into one SW application.

SUCCESS STORIES

Waterway Navigation

SNC's solution empowers program forces at the tactical edge by applying machine learning/artificial intelligence capabilities to waterway navigation. This successfully increased battlespace situational awareness. Our tech also enabled integration fires through predictive analytics, incorporating adversary Naval surface, air and fires predictions into Safety of Maneuver (SoM) planning.

Notice to Mariners (NtM)

SNC used our EDITH solution to customize a NtM solution that semi-automated that data processing with a system-centric approach including an AI-based human-on-the-loop process to update maritime SoN and geospatial products. This reduced the timeline to publish priority corrections from 2-6 weeks to 4-10 minutes to publish any corrections providing the ability to quickly process 7,000+ records in the NtM backlog.

SNC TRAX® Software

SNC TRAX SW accelerates the kill chain by making data accessible in near real-time. SNC TRAX is a high-fidelity integration layer that integrates disparate protocols, hardware, and weapons across all domains. Above this integration layer, is our AI/automation layer that uses APIs to visualize the data, synchronize effects, assist decision making and support mission planning.

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