

# AI for Intelligence Missions



## Amplifying Intelligence for Intel Missions

CACI provides the Intelligence Community with the artificial intelligence (AI) and machine learning (ML) solutions to automate the information collection, processing, exploitation, and dissemination process. Our AI models improve the speed of data analysis, the accuracy of target identification and tracking, and identify intentional and unintentional data anomalies. We improve our customers' common intelligence picture through the application of AI and ML tools for feature extraction, object detection, full motion video analysis, radio frequency (RF) signature tracking and anomalous event detection, and language translation solutions. We rapidly combine open source and multi-INT data to enable efficient and accurate pattern detection. We deploy human-in-the-loop technologies, serving as powerful tools to aid analysts in refining their AI models' output without costly algorithm development. We're experts at deploying machine learning operations (MLOps) at scale, and embedding advanced AI techniques with production-ready, cost-effective architectures capable of meeting evolving strategic and tactical needs around the globe and out to the tactical edge. **We integrate AI technologies with our mission expertise to deliver a decision advantage for our customers at any scale.**

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EXPERTISE AND TECHNOLOGY FOR NATIONAL SECURITY

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For more information about our solutions, products, and services, visit:

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## Our Expertise

- Machine learning
- Deep learning
- Computer vision
- Expert systems
- Signal detection
- Natural language processing (NLP)
- Predictive and prescriptive analytics and anomaly detection
- Language translation
- Deploying machine learning operations (MLOps) at scale
- Domain expertise of our technologists, intelligence and counterintelligence analysts
- AI models that ingest multi-INT, open source, structured, and unstructured data

## Benefits

- Applying intelligent automation and AI models improves productivity, increases speed of analysis, and enables analysts to focus on more strategic activities
- Retrain and recalibrate AI models in real time in place of additional development
- Tagging and tracking from multi-modal sources to improve the common intelligence picture
- Combining mission expertise with processes, tools, and AI technologies improves mission outcomes
- Global capacity to support intelligence analysis and operations, including to the tactical edge

## AI Capabilities for Intelligence Missions

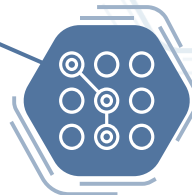


### Full Motion Video Analysis

- Fast, accurate, and reliable object detection and feature extraction
- Enables persistent tracking and reidentification of objects even through periods of significant occlusion
- Modular format integrates easily into existing systems

### Pattern Recognition, Anomalous Behavior, and Data Detection

- Deepfake detection of intentionally altered data
- Identification of anomalous and potentially malicious behaviors



### Geospatial Analysis

- Geospatial feature extraction from satellite imagery reduces analyst time to complete tasks from hours to minutes
- Geolocation outlier detection

### RF Analysis and Detection

- Detection and discrimination of frequency-hopping RF signatures



Approved as General Capabilities Information, this material consists of CACI International Inc general capabilities information that does not contain controlled technical data as defined within the International Traffic in Arms (ITAR) Part 120.10 or Export Administration Regulations (EAR) Part 734.7-10. (10/6/2020)



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