



FIVECAST

Transforming data complexity into clarity

A secure, automated data fusion platform boosts the effectiveness of investigations while streamlining workflows

Brittany Mason | Fivecast



The Intelligence analysts seeking to extract insights from publicly available information (PAI) are working in an increasingly complex field. Multiple sources predict that more than 230 zettabytes of data will be generated in 2026. By 2030, that total will surpass 700 zettabytes. In addition, there are roughly 6 billion people on social media—about 70% of the world's population.

That represents an unmanageable level of data growth for human analysts and existing systems, which are often fragmented and operate across multiple platforms with different data formats and security protocols. This fragmentation reduces the effectiveness

of investigations. In addition, manual data handling increases the risk of errors and non-compliance with government regulations that require transparent audit trails and robust governance.

By contrast, automated data fusion platforms support streamlined intelligence workflows and, as a result, enhance decision-making capabilities.

Delivering deeper intelligence insights faster

Although I believe artificial intelligence won't replace analysts, analysts with AI will replace analysts without AI. By automating various steps of the

intelligence cycle, AI can reveal patterns, networks, relationships and risks that are otherwise impossible for a human analyst to find. As a result, AI and machine learning have become integral to any modern open-source intelligence (OSINT) solution as a way to augment the work of human analysts.

In an augmented OSINT workflow, AI is typically used to quickly triage and process large volumes of data without the fatigue or attention issues humans would experience. The patterns the technology identifies are then delivered to human analysts for review. Again, it is not taking the job from an analyst but instead giving analysts more time to apply their expertise to interpret those findings and make well-informed decisions—and provide feedback to improve the technology's ability to process data.

The Fivecast product ecosystem is engineered for intelligence, and its three components work together seamlessly. Fivecast ONYX was designed for the kind of mission-critical, high-stakes environments in which the government operates. It is purpose-built to help analysts find actionable intelligence, and its data coverage is unmatched. Analysts have access to billions of data points from millions of data sources, including news streams, search engines, people and company databases, social media, marketplaces, watch lists, and the dark web.



Fivecast ONYX transforms that complexity into clarity because it enables agencies to streamline the discovery and collection of data across the entire intelligence cycle. The platform rapidly shifts from discovery to continuous, AI-powered risk analysis within a single, integrated environment to deliver deeper intelligence insights faster.

Other Fivecast products include Fivecast MATRIX and Fivecast LUNEX. Fivecast MATRIX detects behavior shifts and emerging threats through ongoing, automated assessment. The workflows are intuitive and customizable and enhanced by generative AI. Fivecast

LUNEX exposes the underlying architecture of global threat ecosystems and delivers analyst-curated datasets for rapid insights into the complex cybersecurity landscape.

Conducting safe, anonymous investigations

All elements of Fivecast's products are secure by design. Our security controls align with the National Institute of Standards and Technology's Special Publication 800-171. We also incorporate strong, standards-based data encryption, continuous threat monitoring and automated recovery to ensure high availability and resiliency.

Our approach to secure browsing means analysts and agencies can conduct safe, anonymous investigations. Meanwhile, the Fivecast platform provides comprehensive audit trails and hard-coded standard operating procedures for consistency and accountability. ■

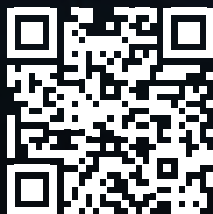
With Fivecast, government analysts have the peace of mind that they can safely search across the vast PAI environment and layer in ethical AI capabilities to uncover insights faster while enhancing, not replacing, human judgment for complex investigations.

Brittany Mason is pre-sales engineer lead at Fivecast.

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