



## MINERVA AI INNOVATION HIGHLIGHT



### COMPANY OVERVIEW

MinervaAI specializes in AI-enabled financial crime technology. The company provides a standardized, intelligent, and automated solution to audit-proof Anti-Money Laundering (AML), Anti-Terrorist Financing (ATF) investigations, and Enhanced Due Diligence (EDD) at a fraction of the time and cost. AML and compliance programs cost financial institutions \$180 billion globally. MinervaAI's proprietary technology, deep understanding of AML processes, and strong Canadian banking relationships set the company up to facilitate AML data requirements for investigations and EDD, increasing productivity and accuracy for clients.

**LOCATION:** TORONTO, ON

### TECHNOLOGY



### Artificial Intelligence

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### THE MEANS TO FIGHT FINANCIAL CRIME

With the advance of technology and the virtual environment, financial crime investigation must consider the large amounts of data available, which must be correctly recorded, structured, and maintained. Unfortunately, much of this data is often found in silos, hindering case analysis and timely decision-making. At the same time, cyber threats are quickly evolving and leveraging new technologies, while financial institutions lag in terms of innovation, depending on manual work instead of artificial intelligence and automation solutions to increase productivity and lower costs.

### STREAMLINING INVESTIGATIONS WITH DEEP LEARNING

MinervaAI solves the problem of repeated, manual tasks in EDD investigations such as identifying adverse media, social media risk assessment, sanctions/watchlist screening, and others. MinervaAI tackles all EDD-related tasks in a simple, unified interface that applies deep learning methods at scale to assemble, interpret, and document evidence in a concise way geared toward fast, accurate, and consistent decision-making. The time to search, aggregate, and organize data is condensed to 3 minutes, and a comprehensive report is generated with all the necessary evidence for the case.

### SCALE TESTING OF MINERVA AI CODE ARCHITECTURE

With CENGN's Infrastructure, MinervaAI demonstrated that their system handled 10,000 simultaneous users for fidelity, performance, and error rate tests. They successfully identified vital areas to improve their AI that presented itself at a large volume of users. The new scalable architecture tested, using Kubernetes, is a more cost-effective implementation than MinervaAI's current infrastructure and allows them to effectively scale their resources according to their customers' needs.

**“The testbed allowed us to test a new architecture using Kubernetes and showed it can handle just under a thousand simultaneous maximal-engagement clients while maintaining performance targets.”**

**Jennifer Arnold**  
CEO, MinervaAI

