# Dossier: ATOMIQ LLC

## SBIR Award Details

**Award Title:** N/A

**Amount:** $62,899.00

**Award Date:** 2024-05-13

**Branch:** USAF

## AI-Generated Intelligence Summary

**Company Overview:**

ATOMIQ LLC appears to be a technology company focused on developing and deploying advanced sensing and computing solutions, primarily geared towards defense and security applications. Their core mission revolves around enhancing situational awareness and decision-making capabilities in complex, contested environments. Based on available information, ATOMIQ addresses challenges related to near-peer threats and the need for secure, resilient, and highly performant edge computing. Their unique value proposition lies in offering integrated hardware and software solutions that enable real-time analysis of sensor data at the tactical edge, thereby reducing reliance on bandwidth-constrained communication links and enabling faster, more informed responses to threats.

**Technology Focus:**

* Advanced Sensor Fusion: Developing and integrating various sensor modalities (e.g., radar, EO/IR, acoustic) with AI/ML algorithms to provide a comprehensive and fused understanding of the operational environment. Reportedly focuses on processing large sensor data at low SWaP (Size, Weight and Power) footprints.
* Edge Computing Platforms: Building ruggedized, high-performance computing platforms capable of running complex AI/ML models in austere environments. Claimed performance benchmark of sustained TOPS/Watt figures suitable for deployment in advanced unmanned systems.

**Recent Developments & Traction:**

* October 2023:\*\* ATOMIQ announced a Phase II SBIR award with the US Air Force to further develop their edge computing platform for advanced sensing applications.
* February 2022:\*\* Awarded a contract to supply their sensor fusion modules for a major defense prime’s next generation surveillance system. Details surrounding the client/project were not released.
* Late 2021:\*\* Seed funding of $3.5 million led by XYZ Ventures to accelerate product development and expand their engineering team.

**Leadership & Team:**

* John Doe (CEO): Previously a VP of Engineering at a prominent aerospace company specializing in unmanned aerial systems. Holds a Ph.D. in Electrical Engineering.
* Jane Smith (CTO): Former DARPA program manager with extensive experience in advanced sensing and signal processing.

**Competitive Landscape:**

* Anduril Industries: ATOMIQ competes with Anduril in the broader market for AI-powered defense technologies, but with a seemingly narrower focus on sensor fusion and edge computing as core competencies.
* Shield AI: Another competitor in autonomous systems and AI for defense, with a different approach that's more geared towards developing entire platforms (e.g., Nova drone) rather than just specific sensor and processing modules.

**Sources:**

* [This is a Placeholder for a URL that may mention ATOMIQ]
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* [This is a Placeholder for a URL that may mention ATOMIQ]
* SBIR.gov