# Dossier: AERODOME, INC

## SBIR Award Details

**Award Title:** N/A

**Amount:** $74,957.00

**Award Date:** 2024-05-17

**Branch:** USAF

## AI-Generated Intelligence Summary

**Company Overview:**

AERODOME, INC (also known as Aerodome Unmanned Solutions) is a Virginia-based company specializing in the design, development, and manufacturing of tethered drone systems for persistent surveillance, communication, and security applications. Their core mission is to provide reliable, long-duration aerial platforms that overcome limitations of battery life and connectivity encountered by traditional free-flying drones. Aerodome aims to solve the problem of limited endurance in drone applications requiring continuous observation or communication relays. Their unique value proposition lies in their ability to provide a safe, secure, and persistent aerial presence using tethered technology, offering significantly longer operational times compared to untethered solutions, reduced risk of flyaway, and secure data transmission through the tether.

**Technology Focus:**

* Develops tethered drone systems capable of operating for extended periods (hours or days), powered via the tether rather than batteries. Systems support various payloads including EO/IR cameras, communication relays, and specialized sensors.
* Offers customizable tether management systems that automatically spool and unspool the tether, maintaining optimal tension and preventing tangling or damage, enabling consistent operation in varying environmental conditions.

**Recent Developments & Traction:**

* In July 2023, Aerodome Unmanned Solutions was awarded a contract from the US Army’s Robotic Combat Vehicle (RCV) program to deliver tethered drone systems for situational awareness and reconnaissance, demonstrating its ability to win government contracts.
* Aerodome's tethered drone system has been successfully deployed in security applications to provide perimeter security and surveillance for remote locations, highlighting its commercial application.

**Leadership & Team:**

* Details on specific leaders were unavailable through immediate web searches. General indications suggest a team with backgrounds in engineering, defense, and aerospace. Deeper due diligence would be required to uncover the exact leadership team.

**Competitive Landscape:**

* Drone Aviation Holding Corp. is a potential competitor, although specific overlap in tethered drone solutions requires deeper analysis. Aerodome's differentiator lies in its potential specialization on robust, field-deployable tethered solutions tailored for defense and security applications, possibly emphasizing ease of use and reliability compared to broader drone offerings.

**Sources:**

1. [https://www.defensedaily.com/army-awards-robotic-combat-vehicle-contracts/land-warfare/](https://www.defensedaily.com/army-awards-robotic-combat-vehicle-contracts/land-warfare/)

2. [https://www.youtube.com/watch?v=0xLd25sJ81g](https://www.youtube.com/watch?v=0xLd25sJ81g) (An unverified Youtube Video displaying Aerodome's technology)