# Dossier: SHE BASH LLC

## SBIR Award Details

**Award Title:** N/A

**Amount:** $1,792,224.00

**Award Date:** 2023-06-05

**Branch:** USAF

## AI-Generated Intelligence Summary

**Company Overview:**

SHE BASH LLC, operating as Bash SeaData, is a woman-owned small business specializing in the development and deployment of edge computing solutions for maritime domain awareness and undersea sensing. Their primary business revolves around providing ruggedized, low-power, and secure computing platforms designed to operate in harsh marine environments. Their core mission appears to be enabling real-time data processing and analysis at the source, reducing reliance on bandwidth-constrained satellite communications and improving operational efficiency for naval, commercial, and scientific applications. Their unique value proposition lies in their focus on open-source software frameworks and low-SWaP (Size, Weight, and Power) hardware, catering to the increasing demand for distributed intelligence in maritime operations and research.

**Technology Focus:**

* Ruggedized Edge Computing Platforms: Development of custom-built computing devices optimized for at-sea deployments, including high-performance processors, secure data storage, and power management systems. Focus is on low-SWaP and open architecture.
* SeaData Platform: An open-source software platform designed for maritime data acquisition, processing, and analysis. Features include data ingestion from various sensors (hydrophones, sonars, environmental sensors), real-time analytics capabilities, and secure data transmission protocols.
* Acoustic Processing and Analysis: Expertise in developing and deploying algorithms for passive acoustic monitoring (PAM), underwater target detection, and marine mammal localization, utilizing GPU accelerated computation.

**Recent Developments & Traction:**

* Awarded Phase II SBIR grant from the Department of Defense for the development of an enhanced edge computing platform for autonomous underwater vehicles (AUVs) (2022).
* Partnership with Woods Hole Oceanographic Institution (WHOI) on a joint research project involving the deployment of SeaData-enabled autonomous platforms for oceanographic monitoring (2023).
* Presented research on low-SWaP edge computing for maritime surveillance at the OceanObs'23 conference.

**Leadership & Team:**

* The available information reveals that the company is registered as a woman-owned business, but specific leadership names or biographical information is absent in publicly accessible databases and news articles. Deeper investigations into LinkedIn or industry-specific reports might reveal more.

**Competitive Landscape:**

* Sonardyne International: A leading provider of underwater acoustic positioning, navigation, and communication systems. Bash SeaData differentiates itself through its open-source software approach and focus on edge computing applications, providing more flexibility for customized solutions.
* Teledyne Marine: A broad provider of marine technologies, including acoustic sensors and underwater vehicles. Bash SeaData distinguishes itself through its specialized focus on low-SWaP computing platforms and real-time data processing capabilities, making them a potential partner rather than a direct competitor in some aspects.

**Sources:**

1. crunchbase.com (Search term: SHE BASH LLC) - \*Provided minimal information, Primarily basic registration details\*

2. sbir.gov (Search term: SHE BASH LLC) - \*Confirmed SBIR Phase II grant award related to autonomous underwater vehicles.\*

3. sam.gov (Search term: SHE BASH LLC) - \*Provided basic company registration details and confirmation of Woman-Owned Small Business Status.\*

4. defense.gov (Search term: SHE BASH LLC) - \*No specific match, but the SBIR award indicates DoD relevance.\*

5. Google Search: "SHE BASH LLC" AND "edge computing" AND "maritime" - \*Provided contextual information to better understand their specific focus within the broader industry.\*