



Capabilities Summary: D'Angelo Technologies, LLC (D5T), is a Women-Owned Small Business (WOSB) providing professional and technical services to the Department of Defense (DoD), Federal Agencies, civil entities, and commercial clients. D5T is a leader in engineering Research and Development (R&D), knowledge capture and dissemination-based services, and high-quality technical solutions. D5T's impressive team has grown our internal engineering and professional staff by adopting a practical approach to technical development by leveraging existing research from industry, government, and academic environments – thus advancing product growth and developing innovative solution-sets. D5T engineers, managers, professional staff, and Subject Matter Experts (SMEs) specialize in assessing advanced technologies, applying advanced technologies, and deliver these technologies to fully meet customers' requirements. D5T works hard to define our customer's wants and needs and deliver our customers the best solution for their problems. Our customers really appreciate our ability to meet their needs and improve their mission success. We go beyond the laboratory and prepare our products for the real world.

D5T's corporate leadership possesses a wealth of knowledge, expertise, and government experience that provides D5T the insight into complex programs, government processes and procedures, understanding of different government mission needs, and the solutions required to meet those needs. Other relevant team corporate experience includes extensive government and commercial SME experience in Defense Acquisition and Resource Management, direct support to the DoD, SPAWAR Systems Center Atlantic, Joint Chiefs of Staff, and private enterprises. Experience and expertise that align to HSTech technology areas include:

- Developing an autonomous artificial intelligence (AI) deep learning system that enables an unmanned system to adopt to unanticipated conditions and/or continue flying in severe environments or with sustained damage.
- Developing mission packages such as targeting and surveillance, drug interdiction, boarder protection, and emergency internet/cellphone service or other security related capabilities
- Developing a VR Machine Learning (ML) /AI system for shiphandling training to provide an autonomous training and feedback system. Previously developed VR and AR training environments and recently developed an AR tablet-based application for use in maintenance and repair.
- Created and led teams of technical, industrial, and academic SMEs for basic and applied research such as battery processing, laser applications, next generation equipment and materials, and technology forecasting and planning.
- Designed and developed a small, unmanned, remote control powered paraglider (PPG) system that leveraged D5T's prior experience with PPG technology to create an unmanned system capable of performing reconnaissance and delivering small cargo to personnel in contested areas.
- Created a realistic Virtual Reality (VR) & Artificial Reality (AR) simulation that captures and disseminates knowledge to result in improved training, knowledge preservation, and cost-saving measures.
- Developed Nuclear training package to include risk mitigation and exposure plan of action assessment training.

D5T personnel have developed a sound reputation for understanding the needs of their customers and anticipating their needs and requirements. It is D5T's mission is to provide high quality engineering and R&D support services to advance the state-of-the-art and drive technological advancements. Our demonstrated experience and expertise directly align to HSTech technology areas, and as such, the consortium would benefit in D5T participation in the development and delivery of technology sought by Homeland Security.

