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OVERVIEW

Founded in 2020, Martin Solutions LLC (MTEC) is a consultant DER (Designated Engineering Representative) firm. Our distinct position is as independent engineers appointed by the FAA to evaluate and either approve or suggest approval of technical specifications for various aeronautical products and components. Our independence offers us a unique advantage - adaptability. We cater to clients spanning various sizes and financial capacities, offering our specialist services tailored to individual project requirements.

Beyond our consultant DER services, we are proud to extend the expertise of our FAA Management DERs. These individuals are seasoned engineers and specialize in overseeing other DERs' endeavors with our extensive experience in certification and operations. MTEC can support various projects, from conventional aircraft to Unmanned Aircraft Systems (UAS). Our team has experience in government and private industry, providing a holistic view of problems and solutions.

CORE COMPETENCIES & DESCRIPTION OF SERVICES

MTEC organizes the applicant's certification program. We direct, oversee, and manage technical assessments and findings of compliance.

- **3D Scanning & Modeling**
 - Equipment and personnel to support various aviation needs from fuselage Interiors to individual components
- **Audits**
- **Environment Testing per DO-160**
- **Flammability Testing**
 - Test Plans, Procedures, and Reports
- **FAA Certification**
 - Type Certificates (TC) for UAS
 - Supplemental TC for Conventional Aircraft
 - Waivers, Exemptions
- **Flight Test Permits**
- **Foreign Validations**
 - From CAA's such as EASA, HKCAD, JCAB, TCCA, and ANAC
- **Material & Process**
 - Material Review
 - Test Plans, Procedures, and Reports
- **Military Certification**
 - MIL-STD 516 & 882
- **Operational Risk Assessments**
- **Project Management**
 - Status tracking for tasks and parts, engineering processes, issues, and more
- **Safety Management System**
- **Structural Analysis & Testing**
 - Finite Element Model
 - Test Rigs, Articles, Design, and Fabrication
 - Test Plans, Procedures, and Reports
- **System Engineering Expertise**
 - Applying ARP4754-guided system development; ensuring aircraft system safety, reliability, and compliance through structured design, verification, validation, and certification processes
- **UAS, Autonomy, and Electric Vehicle Certification**

GENERAL INFORMATION

D-U-N-S # 118193324 | Cage Code: 9EKV3 | UEI: KD55MNEHR7N6

- **Primary (NAICS Codes)**
 - 541690 - Other Scientific and Technical Consulting Services



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C E R T I F I E D



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GENERAL INFORMATION (continued...)

- **Secondary (NAICS Codes)**
 - **541380** - Testing
 - **541330** - Engineering Services
 - **541611** - Administrative Management and General Management Consulting Services
 - **541715** - Aerospace research and development, except prototype production
 - **336413** - Other Aircraft Parts and Auxiliary Equipment Manufacturing
 - **336411** - Aircraft Manufacturing Aircraft conversions, i.e. major modifications to the system

Socio-Economic Types: U.S. Small Business Administration Certified HUBZone, Disadvantage Business Enterprise, Minority-Owned Business, Self-Certified Small Disadvantaged Business

LICENSE & CERTIFICATIONS

Federal Aviation Administration (FAA) Designated Engineering Representative (DER) in Management, Structures, and Authorization to manage unmanned aerial system projects with a 14 CFR 21.17 (b) certification basis, including review of certification plans and operational risk assessments.

MANAGEMENT PROFILE

Jose Martin, CEO & Founder, has 20 years of experience managing complex aerospace projects for the Canadian Government, and industry. As a Transport Canada chief engineer, he organized Transport Canada (TCCA) RPAS task force R&D program in collaboration with Canadian Research Council, The FAA, and the FAA Assure Program. During his tenure as certification manager of the Quebec airworthiness regional office, he certified and validated hundreds of modifications to aircraft. At Bombardier, He managed a USD 18 Million testing program integrating all aircraft functions and testing structures.

Mr. Martin holds an MBA in Business Administration from Executive MBA McGill - HEC Montreal and completed a technical Program in Aerospace, Aeronautical, and Astronautical Engineering from the University of Kansas. He is currently an FAA structural DER with a special delegation to manage certification projects, UAS operational risk assessment, and is authorized to manage unmanned aerial system projects which have a 14 CFR 21.17 (b) certification basis including review of certification plans and operational risk assessments.

He is currently working extensively in developing e-VTOL and UAS airworthiness and operational standards. In addition, Mr. Martin is working on developing a certification basis for propulsive electrical systems, and hydrogen fuel cells.