



Tucson Embedded Systems



*Since 1997,
delivering complex
Electronic Solutions
from Concept
through
Manufacturing*

*2 Million+
Engineering Hours*

Our Vision:

***TES will lead the Industry in engineering solutions
to the Worlds' problems.***

Our Mission:

***To deliver innovative engineering solutions,
methods and tools that accelerate the
development of best-of-breed products for
government and industry customers.***

5620 North Kolb Road, Suite 160 Tucson, AZ 85750

[www. TucsonEmbedded.com](http://www.TucsonEmbedded.com) • (520) 575-7283 • Fax (520) 575-5563 • info@tucsonembedded.com

Company Overview

TES creates cost effective, highly reliable and safe and secure solutions of enterprise and embedded hardware and software systems through exceptional design, development, integration and verification.

- Founded in 1997; Approximately 60 employees with 70% holding engineering degrees
- Top Secret Facility clearance w/secret safeguarding

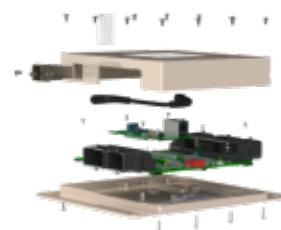


ISO 9001:2015/AS9100D Certified, AS9115 Compliant

NIST Special Publications 800 Series

Integrated Solutions Partner

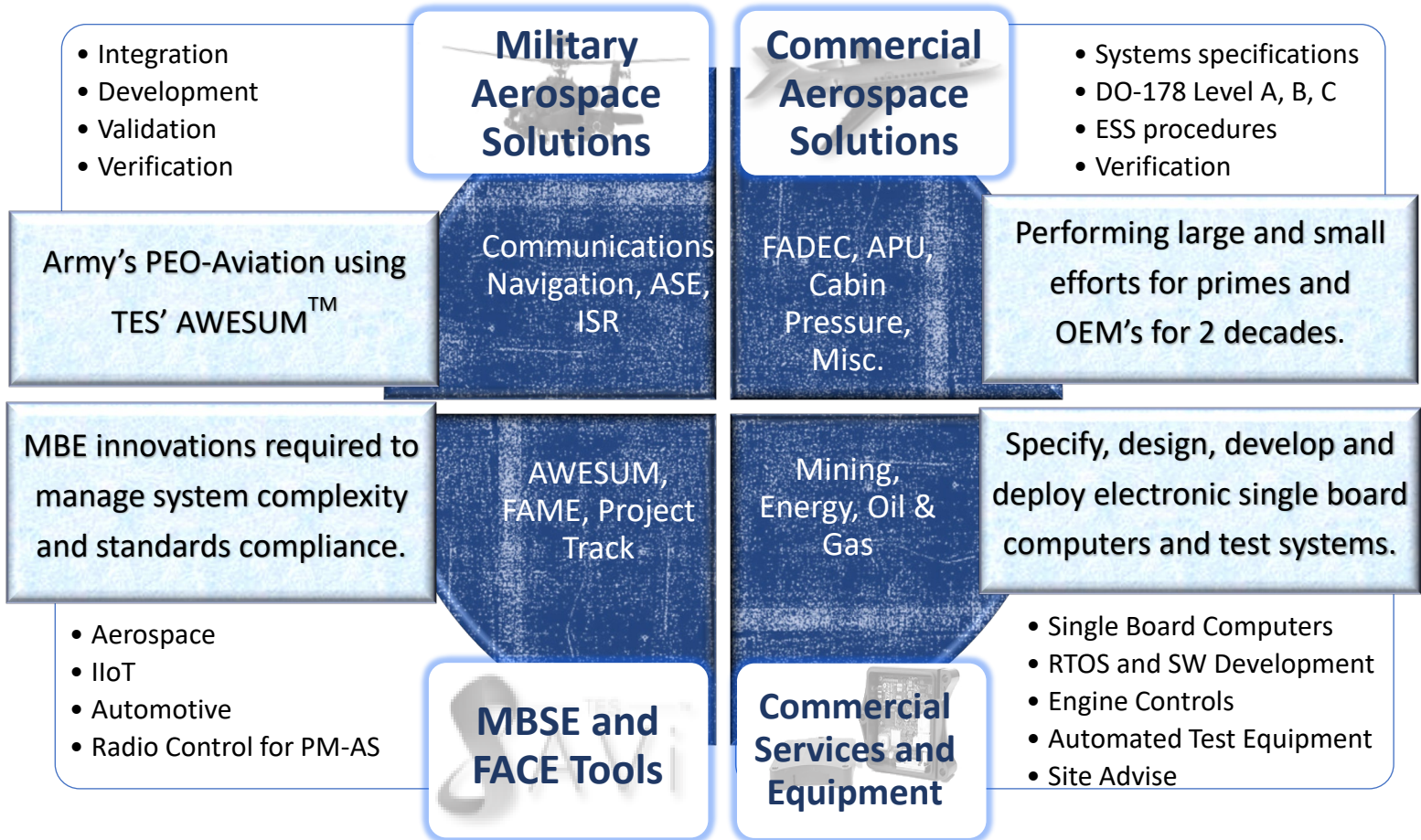
- System Design
- Real-time, Fault Tolerant Software Design
- Circuit Design
- Circuit Card Prototypes
- Board Support Packages (BSP)
- Software Development and Test
- Mechanical Enclosures and Systems
- Hardware and Software Integration and Verification
- Production Test Equipment



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Market Focus

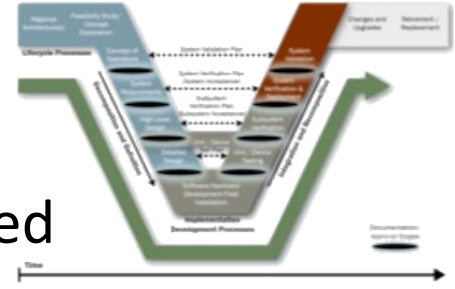


Safety and Mission Critical Software Systems
Embedded Electronic Systems
Automated Test Systems
Enterprise Applications Development
Prototype Machine Shop



Overview

TES-SAVi (a subsidiary of Tucson Embedded Systems) is focused on developing Tools for **Model Based Engineering (MBE)** to optimize the Systems Engineering process of developing Software Intensive Systems.



Training & Support

- FACE Product Development Services
- FACE Verification Authority
- Aviation Engineering Services for Airworthy Qualification Efforts
- Model Based Engineering
- FACE Data Architecture Training
- FAME/AWESUM Training



Products

The AWESUM Product Suite is a toolset for **Commercial and Military Aviation Software** Intensive Systems Development & Certification. AWESUM Consists of

- AWESUM Simulate, Develop, Qualify and Verify provide lifecycle Unified Environment
- AWESUM FAME is a FACE Data Architecture Modeling Environment

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Engineering Services



- Aircraft Avionics Integration (Comms., Nav., & more)
- Model Based System Engineering (MBSE)
- Electronic Design and Layout
- Mechanical Design and Enclosures
- Sw/Hw Tool Development
- IIoT – Enterprise to the Edge
- Air Worthy “Plug & Play” Systems
- Engine Control Systems
- Data Analysis Tools

Software Development



- DO-178 Level A and DO-254
- FACE Infrastructure, Data Modeling, and UoP
- Real-time Embedded Software
- Bare-bones, RTOS and FPGA systems
- Control Systems and Avionics
- Real-time data acquisition and instrumentation
- CCD image acquisition
- Enterprise and Windows Applications
- Cloud Computing and Mobile devices





Testing and IV&V

- Automotive and Aerospace Test Equipment
- DO-160 and mil-std-810D ESS
- Military Communications and Simulations
- Army Military Intelligence Systems
- Full authority digital engine controllers (FADECs)
- Auxiliary Power Units
- Cabin Pressure Control Systems



Manufacturing

- Experienced Manufacturer
- 11,000 sqft of prototype and manufacturing space
- Prototype Machine Shop
- CCA and Cable Procurement
- Design for manufacturability analysis/support
- LEAN/ISO processes

Hardware Open System Technologies (HOST) HARMONY

HOST HARMONY

- Conformance Test Station for NAVAIR's HOST standard
 - Developed under SBIR (Ph-I & Ph-II with Ph-III expected 2019)
- Supports Conformance Test and CVM Generation
- Direct interface for OpenVPX Test Hardware
- Test Procedure Development Environment for OEMs (Tier 3 development)
- Open and extensible data formats
- Extensible functionality through plugins
- Cross platform and supports web delivery
- Auto documentation of artifacts (MS-Word)
- DOORs Integration



Benefits

- Streamlined Conformance Process
- Multi-Organization support with built-in security
- Web based tools for Navy and others to evaluate HOST conformant products
- OEM tool development conformance verification artifacts (Model, Traces, Docs, Tests)
- Full traceability eliminates ambiguity





Company Headquarters

5620 N. Kolb Road
Suite 160
Tucson, AZ 85750
(520) 575-7283

22,500 sqft Office/Secure Laboratories



Manufacturing & Laboratories

3431 E. Hemisphere Loop
Tucson, AZ 85706
(520) 741-2350

11,000 sqft Office/Manufacturing Facilities

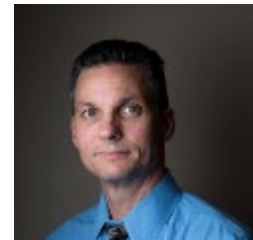
President

Sean Mulholland
Co-Founder



Commercial Services and Equipment Division (CSE)

Antonio Procopio
Co-Founder



Commercial Aerospace Solutions Division (CAS)

Dennis Kenman
Co-Founder



Military Aerospace Solutions Division (MAS)

Stephen Simi
TES Vice President



DUNS: 019000137

CCR/CAGE/NCAGE: 1KNK1

NAICS: 211120, 211130, 213111, 213112, 213113, 213114, 213115, 221112,
334290, 334511, 334513, 334515, 334519, 336411, 336412, 336413, 336419,
336992, 541330, 541511, 541512, 541519, 541715, 541990, 611512

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