



EEI brings 23 years of experience in full service engineering with a focus on agile, affordable, and efficient design, development and manufacturing of hardware that meets the demanding environmental standards and flight qualification requirements of our Nation's Warfighters. We specialize in:

- Design services spanning "Build to Spec" to "Build to Print";
- Procurement and ruggedization of COTS technology for military applications;
- Procurement, integration, and delivery of flight qualified hardware;
- Integration and qualification of advanced Special Test Equipment (STE);
- Manufacture of complex electronic circuit card assemblies and other electronic components and subsystems.

EEI's customers include Aerospace, Defense and Homeland Security, all of which require high reliability, physical and operational robustness, and life critical / flight critical Quality Standards. These programs demand a culture of process excellence at EEI, embodied in our commitment to AS9100C Compliant quality processes, Design for Excellence (DFX), Design for Manufacturability (DFM), and Design for Test (DFT).

Our state of the art facilities and equipment have the ability to take designs to full production - All assemblies are built to IPC-610 Class 3 in a scalable production environment.

▪ **Engineering Services**

- Product Development / Design To Spec - Our engineers can assist your product designers at any phase of the product development cycle
- Design For Excellence – DFX / DFM / DFT
- PCB Layout
- Rapid Prototyping
- BOM Management Services – *Mitigate Obsolescence* - Electronic Component Obsolescence management tools
 - Searches 185 Million semiconductors, passives & electromechanical parts for cross references, lifecycle, parametric, obsolescence forecasts, environmental compliance & inventory data.

▪ **Manufacturing Services**

- Circuit Card Assembly
 - Rigid & rigid-flexible PCBs
 - Low – Medium volume Surface Mount Technology, Through-hole & Mixed Technology production
 - Ball Grid Array Experts
 - Internal BGA rework capability
 - X-Ray technology for inspection of Ball Grid Array and all hidden solder joints
 - Placement system capable of placing devices of package size from 0201 to 2 inches square with lead pitch down to 0.3mm, and ball pitch down to 0.7mm
 - Operators certified to;
 - J- STD-001
 - IPC/WHMA-A-620
 - IPC-A-610
 - IPC-7711/7721B
- Conformal Coat Capabilities
 - Acrylic, Parylene, Polyurethane & Silicone (type AR, XY, UR, and SR)
- Test
 - Fixtureless Flying Probe / Boundary Scan
 - Environmental Stress Screening
 - RF Test
 - Functional
 - Automated Optical Inspection
 - Cable continuity/ Hi-pot / pull testing
- Build to Spec - Offering turnkey, fully tested, and ready-to-install precision mechanical and electromechanical assemblies built to customer specifications while addressing, producibility, reliability, and process enhancement requirements.
 - Electromechanical & Mechanical Assembly
 - Box Build & System Integration
 - Cable Assembly

▪ **Training Services** – Some of the courses we currently offer in our State of the Art Licensed IPC Training Facility;

- CIT (Trainer) & CIS (Operator) Certification & Recertification;
 - J- STD-001
 - IPC-A-610
 - IPC/WHMA-A-620
 - IPC-7711/7721B
- Technical Skills Training



EEI is a certified woman owned small disadvantaged business – **WOSDB & EDWOSB**

2016 Top Ranked Woman Owned Businesses	Tampa Bay Business Journal
2015 Top Ranked Woman Owned Businesses	Tampa Bay Business Journal
2015 Top 100 Fastest Growing Woman Owned Firms In Tampa Bay	Tampa Bay Business Journal
2014 Top Ranked Woman Owned Businesses	Tampa Bay Business Journal
2013 Top 100 Fastest Growing Woman Owned Firms In Tampa Bay	Tampa Bay Business Journal
2012 Fast Fifty Technical Companies	Tampa Bay Business Journal
2011 Top 75 Woman Owned Business	Tampa Bay Business Journal
2010 Top 100 Fastest Growing Woman Owned Firms In Tampa Bay	Tampa Bay Business Journal
2010 Top 75 Woman Owned Business	Tampa Bay Business Journal
2009 Fast Fifty Technical Companies	Tampa Bay Business Journal
2009 U.S. SBA 2009 National Subcontractor of the Year	<i>U.S. Small Business Administration</i>
2009 U.S. SBA 2009 Region IV Prime Subcontractor of the Year	<i>U.S. Small Business Administration</i>
2008 Raytheon SAS Supplier Excellence Award	<i>Raytheon SAS</i>
2007 Top 75 Woman Owned Business	<i>Tampa Bay Business Journal</i>
2007 Fast Fifty Technical Companies	<i>Tampa Bay Business Journal</i>
2006 Top 100 Fastest Growing Woman Owned Firms In Tampa Bay	<i>Tampa Bay Business Journal</i>
2006 Top 75 Woman Owned Business	<i>Tampa Bay Business Journal</i>
2006 Top 100 Fastest Growing Technical Firms In Tampa Bay	<i>Tampa Bay Business Journal</i>
2005 Business Woman of The Year	<i>Tampa Bay Business Journal</i>
2005 Lockheed Martin Small Business Of The Year	<i>Lockheed Martin</i>