

## Farnborough Airshow 2024 Washington State Delegation

Meet us in **Hall 1, 1351**



AeroTEC designs, develops, tests, & certifies new aircraft products globally.

**AERODYNAMIC MODIFICATIONS to CLEAN SHEET AIRCRAFT** including hybrid/electric, hydrogen technology, supersonic, and eVTOLs.

We know the pitfalls and roadblocks aerospace product development experience; we can help navigate these.....

- ✓ Jump start your product development
- ✓ Identify and correct product design issues
- ✓ Outline a streamlined path to product certification
- ✓ Share knowledge and best practices

Experts in FAA TC & STC certification processes for both **Part 25 & 23** aircraft.

AeroTEC's Seattle Engineering Facility and Manufacturing Center are **both AS9100D Certified.**

**NEWS:** *New widebody hangar in Moses Lake, WA.*

**Current Customers include** MagniX & NASA, Universal Hydrogen, Natilus, Aurora Flight Sciences, Boeing, L3 Harris, Deutsche Aircraft etc.

Click below to learn more.....

- **AeroTEC Website**
- **LinkedIn**
- **NEWS**
- **NEWS**
- **NEWS**
- **Video**
- **Brochure**



TLG Aerospace is an aerospace **engineering services** company dedicated to providing aerodynamic **design, analysis, static and dynamic loads and**

**response analyses, flutter analyses, stress and design, wind tunnel, ground and flight testing and certification** for new and modified aircraft and related aerospace products including space launch vehicles, UAV and fire tanker aircraft, supersonic flight etc.

TLG are certified to work on all aircraft models.

We're aircraft/spacecraft developers; **aircraft modification** assistance to **certify aerodynamic improvements** or **aircraft conversions.**

FAA / EASA / CAAC Certification | Five FAA Designated Engineering Representatives (DER's)

**Customers Include** Virgin Galactic, Blue Origin, Beta Technologies, Stratolaunch, Sierra Nevada Corp, Sierra Space

Click below to learn more.....

- **TLG Aerospace Website**
- **YouTube**
- **LinkedIn**

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National Precision is a **Worldwide** Master-level Aerospace, Satalite & Defence **distributor of bearings**.

A qualified supplier to the US military DOD (Dept. of Defense) and DLA (Defense Logistics Agency)

Stocking **airframe control**, spherical **bearings**, rod ends, bushings, needle bearings, installation & removal tools for standard MS/AS & custom OEM specs.

### WHY NPB?

1. Extensive product range of bearings including **thin section bearings** (used in satellite gimbles)
2. **Highly automated warehouse** for parts pick, box and fast shipment; crucial to ensure maximum efficiency for our clients.
3. Proof load test services
4. Global reach

**Customers include** Textron, Gulfstream, Eaton Aerospace, Parker Aerospace, DOD (Dept of Defence)

**Click below to learn more.....**

- **National Precision Bearing Website**
- **YouTube**
- **LinkedIn**



Founded in 1988, VT Volant, A Vaayu Group Company. Offices in the US & Europe.

Approved Boeing & Airbus supplier.

CAA, FAA (IQNR108K) & EASA (145.4573) certified **repair station** specialising in repair & overhaul of aftermarket cabin interiors and components. **Cabin reconfiguration** support services, engineering and analysis, program management, testing and certification including major product **modifications** and changes (**STC certificate**).

**13,000+ part numbers** in 92,000 sq. ft of production and warehouse space. A range of **"in stock" items of Airbus & Boeng parts e.g. PSU's**.

Leading **supply chain management** with in-house manufacturing capabilities providing complete aircraft interior modification kits, PMA parts, and custom monuments, panels, screens, storage bins etc.

**Customers include** PT21 Solutions, Hansair, Fly Dynamics, Safran (NAT), Aviation Technical Services (ATS) and Delta Airlines.

**Click below to learn more.....**

- **VT Volant Website Link**
- **LinkedIn**

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Design & Manufacturer of **rigid and flexible** lightweight composite **polyurethane foam & build-to-print** solutions for **aircraft** interiors & **defence** applications.

Innovator of **LAST-A-FOAM® FR-4800 High Temperature Tooling Board**.

**Aircraft** Applications include.....

Flight Deck & Cabin Solutions | Gap Seals & Close Outs | Precision Machining, Fabrication & Assembly, Design & Engineering Services | Testing etc.

**Defence** Applications include....

- Subsea buoyancy products
- Ballistic panels for helicopter seat bottoms
- Flight Systems e.g. space launch vehicles, propulsion systems
- Space systems such as satellites, space components
- Thermal separators for rockets & missiles, UAV applications
- Explosive charge encapsulant

**Certified** ISO 9001:2015.AS9100D. Quality systems e.g. NQA-1, Mil-I-45208A, Boeing Company D6-82479 and **ITAR compliant**.

**Customers include** Northrup Grumman, Lockheed Martin, Aerojet Rocketdyne

**Click below to learn more.....**

- **General Plastics Website**
- **YouTube**
- **Case Study - Largest Solid Rocket Motor**
- **Case Study - NASA Space Shuttle**
- **Case Study - Composite Sandwich Panels**



Computer technology for the Aerospace sector e.g. aircraft, defence & UAV, eVTOL, electric and hybrid-electric aircraft.

**Applications include: Detect Avoidance Technology.**

Hover, Inc has designed and developed a Low Cost, Size, Weight, and Power (CSWaP) ruggedized computer for aerospace applications. Certifiable complex hardware (DO-254 level A) & software (DO-178C level A).

Software applications including:

- battery state of health/ state of charge
- detect & avoid ACAS X & DAIDALUS algorithms; available for immediate implementation
- powertrain controllers for electric/ hybrid electric aircraft

Also, a comprehensive set of **DO-178C level A drivers** available.

**Customers include** Thales, Overair, ampaire, JumpAero etc.

**Click below to learn more.....**

- **Hover Website**
- **LinkedIn**
- **YouTube**

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Precision **Aluminium Castings** produced using **clean, green hydro power.**

Established in 1909, manufacturing aerospace quality, AS9100 certified **Aluminium Castings.** Producing **over 425,000+** castings per year, globally.

We **DO NOT** use natural gas or propane, we're cost and environmentally friendly, using the following processes:

- **Green Sand**
- Dry Sand (No-Bake)
- Permanent Mold

NADCAP accredited heat treating and non-destructive testing, powder coating, and sub-assembly capabilities.

**Customers include** Boeing, Lockheed Martin, Paccar, Komatsu, Eaton etc.

**Click below to learn more.....**

- **US Aluminium Castings Website**
- **LinkedIn**
- **YouTube**



An ISO 9001-2015 certified international manufacturer of engineered thermal insulation barriers and seals.

Globally providing **high temperature, chemical and abrasion resistant solutions** including customised, bespoke solutions.

Products can provide thermal insulation at temperatures of up to 5000°F (2760°C) and protection against chemicals, molten splash, and abrasion using materials such as:-

- Silica fabrics and textiles
- Coated fabrics
- Fabricated thermal protection seals, blankets, and curtains
- Thermal insulation blankets and papers
- High-performance industrial textiles
- Refractory cements, coatings, and mouldable

Applications for use in Space, Aerospace, Environmental Clean-up e.g. oil spills etc.

**Click below to find out more.....**

- **Mid-Mountain Materials Website**
- **LinkedIn**
- **YouTube**

**BLOG Posts:**

- **Fabrics for vibration and temperature**
- **Coated fabrics = improved performance and safety**

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**No-Touch Product Serialization, an invisible fingerprint for products.**

FeaturePrint serializes items, enabling traceability, eliminating counterfeits and gray markets, and reducing human error ... all with just a photo using a standard camera.

**No QR codes, No tags, No 'invisible' dust, No markers, No special cameras or lighting.** A NO Nonsense full **Digital Product Passport**.

Identification of single items or an entire assembly line!

**TIME Magazine - Alitheon FeaturePrint Named Among Best Inventions-of-2023**

**Click below to find out more.....**

- **Alitheon Website**
- **YouTube**
- **LinkedIn**
- **NEWS!**

**FuturePrint - Why I need it (click)**



*World class, multi facility (6 sites) producer of **precision investment casting** in a variety of **alloys and geometries** & machined investment castings.*

*Design, cast, machine, test, assembly.....*

**Nickel-based superalloys, cobalt and copper-based alloys, stainless steels and aluminium alloys.**

- ✓ Vacuum & Air Melt
- ✓ Cast Weight: small to 1000 lbs and 30" in diameter.
- ✓ Final machining on the castings & Assembly
- ✓ Superior Rapid Prototyping
- ✓ CNC
- ✓ CMM & laser scanning
- ✓ Onsite NDT Lab: Xray, magnetic particle, fluorescent penetrant, ultrasonic thickness

**Lean Manufacturing Solutions include:-**

Aerospace Fuel Meter  
High Tech CO2 Laser Component

Military Laser Housing AS9100:D, ISO 9001:2015 & NADCAP certified. ITAR Registered.

**Customers Include** Boeing, Parker, GE Aviation, Woodward, SpaceX, Collins

**Click below to learn more.....**

- **SeaCast Website**
- **LinkedIn**

## Farnborough Airshow 2024 Washington State Delegation

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Experts in USED aerospace machinery trading. We **BUY and SELL** high quality **used aerospace machinery worldwide** for all applications.

Machines for all applications and materials including aluminium, titanium, steel and composites.

Machinery examples: 3 and 5 axis CNC gantry profilers, vertical turning centres, horizontal boring mills, autoclaves, waterjets, stretch forming, fluid cell, hydroform and rubber pad presses.

IMT provides surplus machinery liquidations, auctions, sealed bid sales, consignments and appraisals.

**Customers include** Boeing, Triumph Group, GKN Aerospace, United Launch Alliance etc.

[Click below to learn more.....](#)

- **Industrial Machine Tool Website**
- **Machinery for Sale**



Aerospace **machining** of complex sheet **metal parts, fabrication, and assembly and plastic/foam retrofit interior parts.**

A **Tier 1 supplier** with *over 100,000 sq. ft of manufacturing space across 2 facilities.*

**ISO 9001:2015** and **AS9100D** certification. NADCAP & ITAR certified.  
**D6-51991** – approved by **Boeing** for Digital Product Definition

**Capabilities include:**

- CNC milling - horizontal and vertical 3 and 4-axis milling for close tolerance machining on exotic metals, phenolics and plastics
- Comprehensive sheet metal fabrication
- Finishing
- Water jet and laser cutting
- Complex assembly services

Products include, brackets, plates, bars, panels, waterjet parts etc.



**Customers include** Boeing, SpaceX, Collins, Senior Aerospace, Blue Origin

[Click below to learn more.....](#)

- **Pioneer Human Services Website**
- **YouTube**
- **LinkedIn**
- **News**

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 <p><i>Using AI to revolutionize disease diagnosis. Analysing coughs to detect COVID-19, TB, flu, and more.</i></p> <p><i>Our technology aids in <b>disease surveillance and forecasting.</b></i></p> <p><i>We're backed by MIT Sandbox, LSWI WIN, and WTIA Founders programs, serving <b>airlines, transportation, public health, and insurers.</b></i></p>	<p><b>Click below to find out more.....</b></p> <ul style="list-style-type: none"> <li>➤ <b>Virutec Website</b></li> </ul>
 <p><i>Our software seamlessly integrates aircrafts, UAVs, robotics, IoT networks and satellite data for superior business management.</i></p> <p>Connected Ops is a unified, real-time software solution streamlining resources and data management solution.</p> <p>Enhanced with advanced ERP, warehousing, logistics, and inventory management capabilities.</p>	<p><b>Click below to find out more.....</b></p> <ul style="list-style-type: none"> <li>➤ <b>Connected Ops Website</b></li> <li>➤ <b>LinkedIn</b></li> </ul>

### Going to the Farnborough Airshow 2024?

Please do get in contact, we'd be delighted to make discuss our companies capabilities and make introductions to members of our delegation.

**Hall 1, 1351** - Alitheon | General Plastics | VT Volant | AeroTEC | Pioneer Human Services | Industrial Machine Tool | SeaCast | Sekisui | Mid-Mountain Materials | US Aluminium Castings | Hover | National Precision | TLG Aerospace

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### Cocktail Reception Invitation

Washington State invite your company to join us to network over refreshments on our stand, we're hosting 3 events, please join us on Monday, Tuesday or/and Wednesday – Hall 1 1351

**Monday @ 2.30pm**  
**Tuesday & Wednesday @ 4pm**

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**For further information please contact:**

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