

Scott David Nowak

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Qualifications:

- Over twenty years as a lead engineer in design-build teams from concept through production.
- Experience designing with sheet metal, castings, forgings, extrusions and graphite composite materials.
- Experience designing injection and compression molded plastics and elastomers.
- Over 30,000 hours CAD experience using Solidworks, Pro/E, CATIA, AutoCAD R14 and Mechanical Desktop design software and over 7,000 hours using ANSYS, COSMOS and ALGOR Finite Element Analysis software.
- Heat transfer and thermal analysis
- Structural and strength of materials analysis.
- U.S. Patent No. 5910094 Aircraft Labyrinth Fire Seal.

Education:

Bachelor of Science, Mechanical Engineering, Washington State University, Pullman, WA

Work History:

6/04-Present

Commercial Military Technologies, Coeur d'Alene, ID

President/Owner

- Responsible for mechanical development and integration of electronics for night vision enhancements for the U.S. military.
- Configure, prototype and develop U.S. military vehicle technology upgrades.

4/99-6/04

Advanced Input Devices, Coeur d'Alene, ID

Senior Mechanical Design Engineer

- Responsible for mechanical development and integration of electronic control panels, handheld devices and input machines primarily for the medical and military industries.
- Perform general configuration layout and detail design of molded plastic parts, elastomers, and formed and cast metals.
- Accountable for structural and thermal analysis of electronic devices.

7/97-3/99

Johnson Matthey Electronics, Thermal Management, Assembly Products Group, Spokane, WA

Senior Development Design Engineer

- Developed thermal management solutions for the microprocessor and computer industry.
- Configured heatsinks and thermal plates for the latest generation Intel and AMD processors, sheet metal and plastic attach clips, and ducted cooling shrouds.
- Carried out thermal and structural analysis of microchips and electronic components.

3/97-7/97

Flight Structures, Inc., Arlington, WA

Contract Design Engineer

- Responsible for floor structure modifications to convert 767 passenger aircraft to freighter configurations.
- Accountable for configuration and stress analysis of extruded aluminum floor beam support structures and body strengthening.

6/96-2/97

Boeing Commercial Aircraft Group, Propulsion Systems Division, Seattle, WA

Contract Lead Design Engineer

- Responsible for principal configuration and design layout of metal and advanced composite nacelle structures for the 747X aircraft.
- Trained and lead twelve engineers in thrust reverser design.
- Negotiated with Rolls Royce, Pratt & Whitney, and GE engine representatives regarding engine configuration development.

6/94-5/96

Harpers Furniture Manufacturing Company, Kimball International, Post Falls, ID

Lead Design Engineer

- Responsible for detail design and manufacturing coordination of metal panel systems, sheet metal and plastic file systems and work surfaces.
- Directed eight person design group for new products.
- Prepared and managed assembly line operations during start-up phase.

7/87 - 6/94

Boeing Commercial Aircraft Group, Propulsion Systems Division, Seattle, WA

Lead Design Engineer

- Solely responsible for preliminary concepts, detail design and manufacturing coordination of sheet metal exhaust structures for the 737X and 777 airplanes.
- Responsible for preliminary design of 777 graphite composite nacelle and thrust reverser structure for the Pratt & Whitney engine.
- Principal engineering representative on the evaluation team of potential suppliers for exhaust hardware for the 777 and 737X programs.
- Repeatedly selected for special teams to solve significant product design problems.