David K. Winstanley

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EXPERIENCE

2015-present: Independent Consultant for aerospace engineering and program management (www.davidwinstanley.com)
Current Client: Intertec International, 4505 E Chandler Blvd, Ste 245, Phoenix, AZ 85048

- Other Clients: Honeywell, Belcan, AlphaSites, ThirdBridge, Bain, Pratt & Whitney

1980 – 2015 (retired), Honeywell Aerospace, 1300 W. Warner Rd., Tempe, AZ, USA 85284

Director, Mechanical Chief Engineers (2011 – 2015)

- Executed new directions for the engineering organization by leveraging Chief Engineers Office to deliver improvements in: Innovation; Design To Cost; Safety Management System; Root Cause Corrective Action.
- Delivered superior results in product safety & engineering design quality using Chief Engineers across all Honeywell mechanical products and systems – 8 sites (US & Europe); 44 direct reports; 15 OEM customers.

Senior Chief Engineer, Aircraft Systems (2006-2011)

- Developed and executed methodologies for technical oversight of large engineering organization across multiple sites to provide "integrated systems" to aircraft OEMs
  - Applications: Airbus A350 Extended Mechanical Systems Perimeter (EMSP), F35/Joint Strike Fighter – Power & Thermal Management System (PTMS); Gulfstream G280 turbofan engine and cabin environmental systems.
- Provided leadership to design, develop, and resolve complex technical issues for aircraft pneumatic and controls systems (e.g. bleed air, ECS, ventilation, cabin pressure, etc).
- Developed relationships & methods to coordinate multiple Honeywell sites to present a 'one Honeywell' face to airframe OEM customers & resolve internecine conflicts
- Provided confidence to CTO & senior management by review & approval of program budgets of $1M to $50M.

Chief Engineer, Gas Turbine Engines (1996-2006)

- Successfully certified, qualified, and upgraded gas turbine engines for commercial turbofan engines and military land systems propulsion
  - HTF7000/AS907 engine as prime propulsion for: Bombardier CL300; Gulfstream G280; Embraer 450/550
  - AGT1500 engine as prime propulsion for U.S. Army M1A1 Abrams main battle tank
  - TF731 engine as prime propulsion for: Dassault Falcon 900; Gulfstream G150; Bombardier Lear 45; others
- Developed and executed methodologies for technical oversight of 250-300 engineers in the design, development, and fielding of gas turbine engines.
- Provide necessary leadership for the resolution of complex technical problems across multiple engineering disciplines including aerothermodynamics, stress & vibration, life management, controls, certification, field maintenance, manufacturing, and variability control. Lead resolution of critical or safety related engine service revealed deficiencies.
- Developed relationships & methods to manage OEM customers and successfully interact with certification agencies (FAA & EASA).

Manager, Integrated Product Design (1994-1996)

Manager, Turbine Blades and Vanes (1986-1994)

Sr. Engineer (1980-1986)

November, 1976 - June, 1980 General Electric, Aircraft Engine Group, Evendale, Ohio

Turbine Cooling Design Engineer

EDUCATION

MSME	June 1980	Purdue University, W. Lafayette, Indiana Thesis: Stagnation Region Film Cooling for Gas Turbine Engines
BSME	May 1974	Purdue University, W. Lafayette, Indiana