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## Curriculum Vitae

Michael R Henderson, CEO  
XL Aviation Consulting and Flight School Owner  
Aviation Expert  
Applied Physicist  
Harvard Business School, MBA  
University of Minnesota, MS, Physics

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“Aviation incidents and accidents are going to significantly increase over the next 3 - 5 years due to inexperienced, poorly trained people, both in the air flying, in the tower and on the ground, managing parts and equipment.”

“This unfortunate trend requires a expert technical problem solver with hands on knowledge of pilots and machines”.

### Summary of Expertise

**Current Flight School & Aircraft Lease Business Owner:** Over 50 years of critical problem solving providing General Aviation Technology and Pilot Training. Expert in determining the critical factors that determine all manner of aviation outcomes connecting pilot capability, training, emotional fitness, state of being and the relevant relationships between pilot, machine and environment. XL Aviation exclusively provides direct training and resources to corporate fleets, Silicon Valley Executives, beginners and various research organizations private and public.

**Physicist:** Hands-on, real-world Applied Physicist, inventor and builder of key technologies, sought technical resource giant slayer focused on FAA requirements, historical trends, aircraft capabilities as well as actual pilot training and behavior characteristics relevant to critical performance cause and effect. Skilled and experienced in critical state of the art problem solving techniques developed for and used by NASA, IBM, Intel, Seagate, Apple and others.

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### **XL Aviation Consulting**

- “We determine cause and effect between multiple pilot, machine and environment KPIV’s leading to outcome KPOV’s critical to event. Capability, training, state of being, and the relevant relationships between pilot, machine, and environment.”
- “By applying up-to-date state of the art critical problem-solving technique with 50 + years of hands-on Aviation experience conclusive results are accurate, without bias and often not obvious....”
- Pilot, equipment, environment combined analysis techniques used to determine Cause and Effect.
- Expert Teacher: Clear and Concise reports soup to nuts, nuts to soup.

### **Employment**

#### **XL Aviation** Livermore, CA, *Owner, CEO*, 2012-Present

- Very profitable and growing aircraft training, lease and rental business: Our planes and pilots stay up.
- XL maintains strict pilot performance and currency requirements...above FAA requirements.
- 3500 training flight hours per year: Zero incidents to date. XL’s Fleet insurance is decreasing !
- Hi Tech methods applied to Flight School Training and Aircraft Maintenance: We know how to avoid problems in the air.
- 1,250 GA Pilots Trained.
- UART (Upset Avoidance and Recovery Training), Formation, Air Combat Training
- Recognized as 2022 Best Flight School.
- Best in Class 1% Safety Record
- Maintenance of 25 Unique Military, Experimental & Certified Aircraft
- Partner with avionics companies in the research, development, and testing of autonomous flight, flight training methods and associated technologies.

#### **Grote Industries** Madison, IN, *Vice President, Engineering*, 2014-2016

Private Corporation and leading worldwide manufacturer of LED lights and lighting technology for Aviation and Heavy Transportation.

- Oversaw R&D to manufacturing of FAA-approved wireless LED systems.

**Modumetal, LLC** Seattle, WA, ***Vice President, Operations and Engineering***, 2013-2014

- Research, development and production of nano-laminated metal alloys for Boeing.

**Avaya** Santa Clara, CA, ***Vice President, Product Engineering***, 2010-2013

- Reported to CEO, led product development and production of telecommunication hardware for the US Military and Private Enterprise.

**Seagate Technology** US, Singapore, China, ***Vice President, Engineering***, 2000-2010

- Led worldwide engineering in development and manufacturing of NiFe Thin Films enabling mass memory storage and ultimately, the worldwide web.
- Creator of the Technology Critical Information Center tasked to predict failure before it occurs.
- 0 DPPM: First to demonstrate, implement and maintain 0 defect (0 DPPM).

**Education**

- **Harvard Business School**, Executive Master of Business Administration
- **University of Minnesota**, MS Physics

**Professional Associations**

- IAC 2023 Sponsor and Participant: IAC World Aerobatic Championship,
- APS, American Physics Society
- FAA, AOPA, IAC, EAA, Member/Contributor/Aerobatic Pilot
- Six Sigma Champion (Applied Statistical Control)