



# PhoenixAero GROUP

## ENGINEERING • MANUFACTURING • MANAGEMENT

The Phoenix Aero Group is a proven industry professional in aeronautical engineering, manufacturing and management providing successful turn-key solutions worldwide. Through working partnerships with customers, our highly experienced and qualified professional employees, at all levels consistently meet and exceed customer expectations by applying a blend of technical excellence and the highest quality standards. Most of the company's professionals have post-graduate degrees and more than two decades of aviation experience including engineering, manufacturing, management, military, service and support. We are truly international in scope with recent experience working on projects in Canada, the United States, Europe, Asia and the Antarctic. We have Transport Canada delegated authority for design approvals and hold a Certificate of Authorization from the Professional Engineers of Ontario.

### CAPABILITIES

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#### Engineering

Complete aircraft design, modification, repair design and design approvals. "DAR General" Transport Canada delegation approval.

#### Prototype Design

Prototype design manufacturing, installation and testing.



#### Certification Programs

Complete certification programs for Transport Canada, FAA, EASA and other approvals.

#### Manufacturing

Manufacturing certificate facilitation for both transport Canada and FAA approvals, manufacturing management and support.

#### Project Management

Management of certification and design programs from inception to Transport Canada or other airworthiness authority approvals.

#### Aircraft Engine Installation Design

All aspects of engine installation design including liquid cooling, cowling design, intake/exhaust design, primary & secondary engine support structure design and engine system design.

#### Sensor Installation and Design

Geo Survey and Surveillance

### EXPERIENCE

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#### Utility

Air Tractor 400-series, Hongdu N5B, TAI Ziu, DHC2, DHC3, Z-400 Rhino engine installations and modifications.

#### Helicopters

Eurocopter AS350 AStar and AS355 Twin Star modifications.



#### Light Singles

Multiple aircraft type modifications and repair.

#### Light Twin

Multiple aircraft type engine installations and modifications, engine control system and fuel system analysis and interior modifications.

#### Business Jets

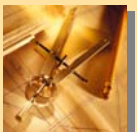
Multiple aircraft interior modifications and repair.

#### Temporary Structural Repairs for Ferry

1125 Westwind Astra, Basler Turbo DC-3

#### Service and Support

Orenda OE600 engine service and support: Vickers Vimy Replica.



## OUR TEAM

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### **President and Chief Designer**

Ken Smyth has over 35 years of aerospace experience including 28 years in the air force in increasingly responsible aerospace engineering positions followed by over three years in Orenda Recip in charge of engine installation design, development, testing and certification. He has a Bachelor's degree in engineering and an MBA.

### **Senior Engineer / Designer**

Adem Turkdogan has a PhD in aeronautical engineering. His experience includes over 20 years in the air force where he specialized in Depot Level aircraft maintenance activities and the development of aircraft structural integrity programs. This was followed by work with Turkish Engine Industries, General Electric and Orenda Recip in turbine and reciprocating engine design and testing.

### **Manufacturing Manager**

Paul Garner has a degree in mechanical engineering and extensive manufacturing management and QA experience gained from working with Rolls Royce, Orenda Aerospace Corporation and Orenda Recip. He was production manager of the Orenda Recip manufacturing facility in Debert before joining Phoenix Aero.

### **Structural Engineer and CAD Modeler**

Chris Baczynski is an aeronautical engineer with strong experience in aircraft structural modification and repair design. He is particularly adept at modeling; both finite element modeling and CAD design.

### **Electrical and Instrument Systems Engineer**

Ken Lawday has a Master's Degree in electrical engineering and a long history of engine and systems installation design, most recently with Pratt & Whitney Canada and Orenda Recip.

### **Aeronautical Engineer**

Ryan Hader is an Aerospace Engineering graduate from Ryerson University. He is employed in our Stoney Creek office primarily on rotorcraft mechanical design tasks. Ryan's thesis work was on 'Design of Continuous Flow Engines' and designed and built a complete working Rocket engine with test stand.

### **Electrical Engineer**

James Edward is also a graduate of Aerospace Engineering from Ryerson University. He is employed in our Stoney Creek office primarily on rotorcraft electrical and instrument systems design tasks. James completed his thesis work on glider stabilization.

### **Designer / Drafter**

Tau Do has extensive experience in the development and completion of engineering drawings and 3D modeling. He is highly proficient in design tools such as AutoCAD, ProEngineer, SolidWorks and CATIA.

### **Installation and Field Service Manager**

Sebastien Arsenault is a licensed AME and very experienced with all facets of multiple aircraft and engine maintenance, installation, manufacturing and training.

### **Technical Publications / Project Manager**

Mike Smith has 35 years of experience in the air force as an aeroengine and aviation technician. Upon his retirement, he joined Orenda with whom he spent three years managing various engine installation projects.

### **Information Technology Manager / Project Manager**

Lilli Chevrier has over two decades of experience in the IT and project management/program management fields including positions with the Government of Alberta and Government of Canada.

### **Aeronautical Engineering Student**

Jon Francki is an Aerospace Engineering student at Ryerson who is in his last term of studies. His specialty is computer modeling and he is primarily employed in mechanical design and manufacturing engineering.

### **Professional Development**

The Phoenix Aero Group is committed to the professional development and continuing education of all employees. We employ engineering students and new graduates as an integral part of our long term business strategy and expansion plan, and as a means of continually renewing our engineering tools and expertise.

### **CONTACT INFORMATION**

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