

- Innovative Prototype Design and Construction, Single Unit through Full Production.
- Advanced Fuel, Ignition and Engine Systems Solutions.
- Versatile Engine and Dynamometer Testing, Controls and Development.
- Integration and Automation is our Forté.
- Electrical, Mechanical and Hydraulic System Design.
- State-of-the-Art Sensor and Actuator Design and Application.
- Mechanical, Electrical and PCB CAD Design and Documentation.
- Next Generation Aerospace Products and Systems.
- Electronic Multi-Media Production, Video, Photography, Internet, CD-ROM and Hardcopy.
- Graphic Arts and Design / Trade Shows and Business Publications.
- Computer Controls and Office Automation.



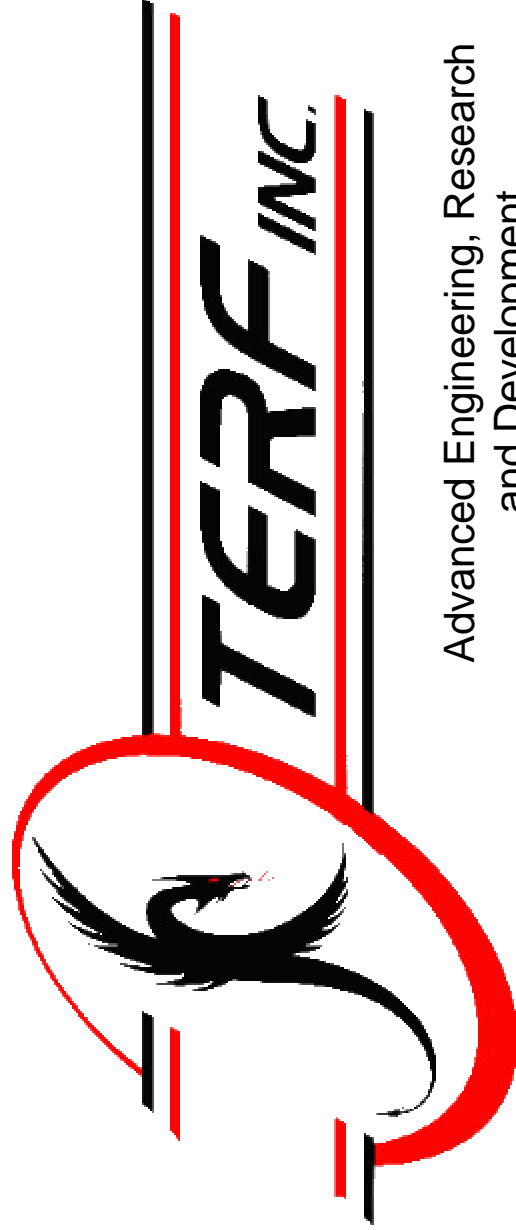
Tait Engineering Research & Fabrication Inc.  
(TERF Inc.)

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**Creative and Innovative  
Engineering Done Right!**

**Let Our Talent Work  
For You**



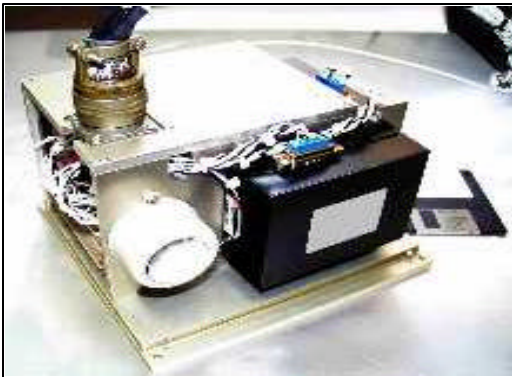
**Advanced Engineering, Research  
and Development**

# THANK YOU!

We would like to thank you for taking the time to review our services and capabilities. TERF is founded upon the principle of getting our customers to market faster than anyone else. We have numerous capabilities and experience that can be used to augment your R&D facilities or we can even serve as your entire R&D laboratory. Please read on to learn more about our primary capabilities. If we can meet your needs, please call us for a personalized quote.

## ■ Prototype Design and Construction.

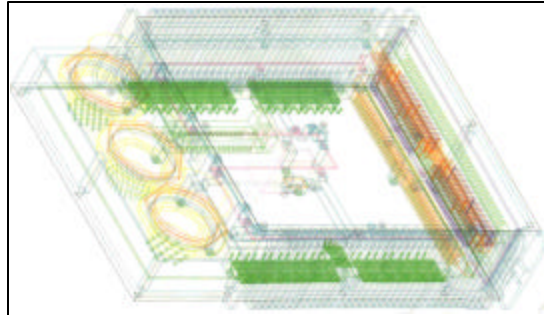
TERF Inc. has the resources and experience to do rapid prototyping and production intent design for both electrical and mechanical systems. We take pride in our ability to fabricate prototypes as near to production quality as possible, thereby giving superior performance prediction and failure modes analysis.



Fully Automated Inertial Measurement System

## ■ Advanced Fuel, Ignition and Engine Systems Solutions.

TERF has years of experience in designing performance packages for engines that optimize fuel flow and ignition timing for high-performance applications. Our presence in aftermarket engine controls is growing daily.



Ruggedized Engine Control Unit – 100g's continuous

## ■ State-of-the-Art Sensor and Actuator Design and Application.

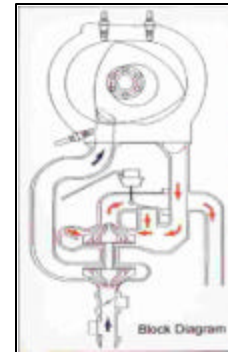
We are constantly using the latest sensors and actuators to provide unparalleled sensing and control. Our experience in using the right hardware for the application can save you much time and money when moving to production.

## ■ Versatile Engine and Dynamometer Testing, Controls and Development.

We have designed our own variety of engine dynamometer equipment that is fully instrumented to provide real-time data on static, dynamic and unusual attitude engine tests. Our dynamometer equipment designs are portable and can be relocated easily to any location for on-site automated testing. We can also conduct long-term life cycle analysis.

## ■ Electrical, Mechanical and Hydraulic System Design.

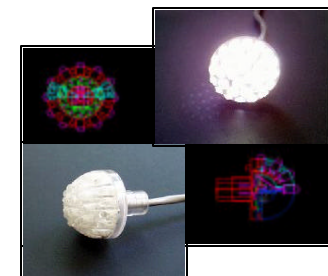
Our forte is blending electrical, mechanical and hydraulic systems for control and automation. We can optimize any of these hybrid designs to achieve optimum performance. Our experience gives us excellent insight into failure mode prediction and modeling



Rotary Engine Turbo Charging System Schematic

## ■ Mechanical, Electrical and PCB CAD Design and Documentation.

TERF excels at producing documentation, specifications and design graphics packages that help speed production and contracting. We also work very closely with several manufacturing houses allowing us to go from prototype to full production in minimal time.



High Intensity Solid-State Lighting