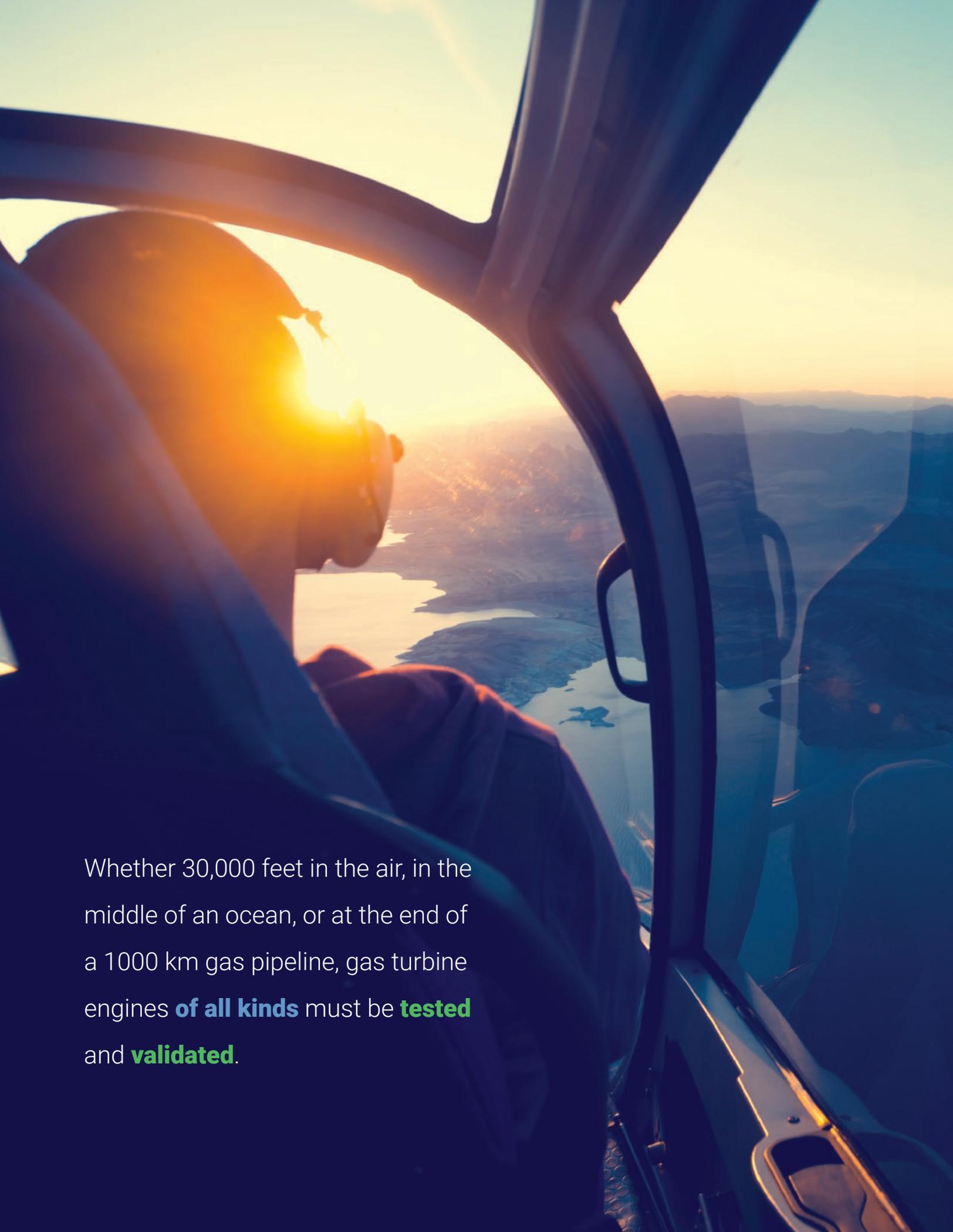


# HARNESS THE P WER

Engineering is our **business**  
Execution is our **expertise**

[MDSAERO.COM](http://MDSAERO.COM)



A person is seen from the side, sitting in the pilot's seat of an aircraft. They are looking out the window at a bright sunset over a vast landscape. The sun is low on the horizon, creating a strong orange and yellow glow. The landscape below consists of rolling hills and valleys, with some water bodies visible. The cockpit interior is visible, including the yoke and instrument panel. The overall mood is serene and expansive.

Whether 30,000 feet in the air, in the middle of an ocean, or at the end of a 1000 km gas pipeline, gas turbine engines **of all kinds** must be **tested** and **validated**.

# MDS Aero Support Corporation is a Tier 1 supplier of turnkey test solutions for gas turbine engines and engine components.

Test facilities validate that gas turbine engines can endure realistic and extreme conditions. World-leading engine original equipment manufacturers (OEMs) in the aviation, industrial, and marine sectors have chosen MDS to carry out the designs of these innovative and unique test facilities all over the world since 1985.

We provide the complete solution for full engine and engine component testing. Our designs and products are the trusted solutions for next generation development engines, current production engines, and in-service engines.

For engine developers, MDS technology provides better data faster. For facility operators, recognizing the value inherent in limiting cell time to test time, you can count on flexible test solutions that maximize facility efficiency and minimize operating costs.



## The Power of Precision

Our business is engineering. We create state-of-the-art test facilities utilizing international best practice and our own breadth of experience in gas turbine operation and providing testing capabilities worldwide since 1985.

Our expertise is execution. We see our projects through, ensuring our exceptional standards are maintained through construction and site management. To us, end-to-end project management means efficiency without cutting corners, superior coordination and communication, predictive risk management, goal alignment, and collaborative decisions.

We support our clients every step of the way. Our clients have access to highly experienced engineers, test cell operators, and support staff offering test facility maintenance, calibration support, engineering support, spares management, and on-site training.

## The Power of Experience

MDS-commissioned test facilities have tested over 115 distinct aviation and industrial gas turbine engine types and variants. We have worked with every major engine OEM:

- AECC
- Airbus
- CFMI
- EA
- EPI
- GE
- GKN
- Honeywell
- KHI
- LMCES
- MAN
- MTU
- P&W
- Powerjet
- PWC
- Rolls-Royce
- Safran
- Siemens
- Solar Turbines
- UEC

Passion  
Respect  
Accountability  
Care  
Communication  
Teamwork

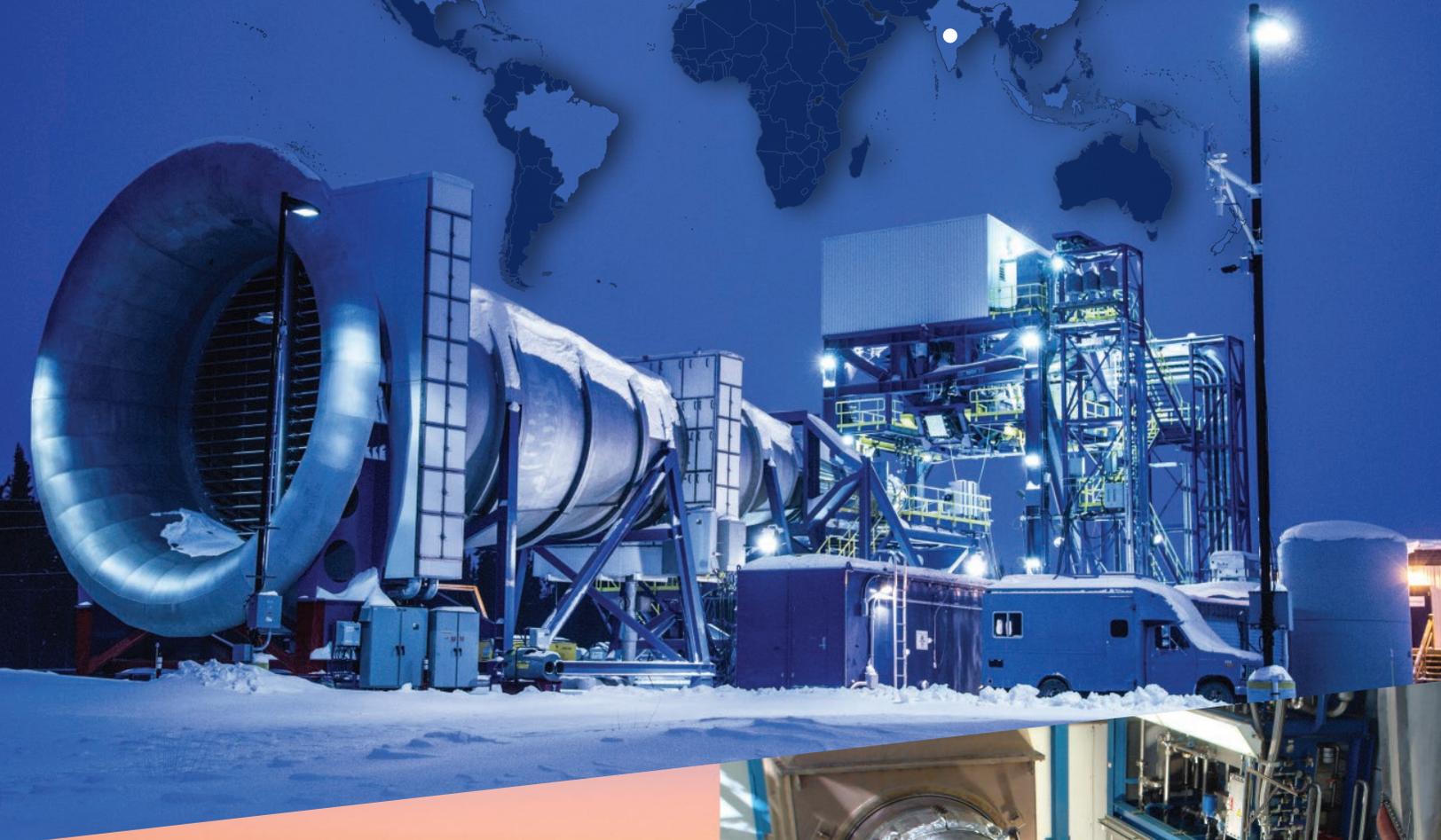


*"To us, these aren't just words; they are the core values that shape everything we do, every single day, for every customer."*

— John Jastremski  
President & CEO

# The Power of **Global Presence**

CANADA | UK | GERMANY | CHINA | INDIA



Certifications:  
ISO 9001:2015, ISO 14001:2015, ISO/IEC 17025:2005



# The Power of **Technology**

Our solutions include: Indoor/outdoor full engine test facilities, core engine test facilities, engine component test facilities, environmental simulation solutions, and special purpose test equipment.

**Servicing these industries:**



**AVIATION**



**INDUSTRIAL**



**MARINE**



**Industrial**

**Aerospace**

## Full Engine Test Facilities

Main Fan

Low-pressure  
Compressor

High-pressure  
Compressor

Combuster

High-pressure  
Turbine

Low-pressure  
Turbine



**Fan Test Facility**  
(Anechoic Chamber)

**Core Engine Test Facility**

**Compressor Test Facility**

**Combustion Rig**

**Turbine Test Facility**

## The Power of **People**

We know that the right people are the key to our success and that of our clients. That's why our team is made up of some of the most experienced professionals in the industry, spanning a skill set of engineering aerodynamics & acoustics, mechanical engineering, electrical engineering, measurement engineering, and software development. Our front line Technical Directors have spent their entire careers in testing and are recognized globally as engine test specialists.

Our signature project management process is designed to drive complex projects from design to completion without compromising on quality, cost, or delivery.



## The Power of **'Going Green'**...

MDS is taking an active approach to preserving and protecting our precious environment by including energy-conscious solutions for our clients in the facility-development stage and in retrofit situations.

Our sustainable energy solutions can be designed to optimize energy demands and offset carbon taxes, incorporating a variety of energy savings and/or energy production services:

- Storage and energy management
- Solar water and thermal systems
- Heat transfer and heat recovery
- Kinetic energy recovery



## The Power of **Partnership**

We encourage direct client and supply chain participation and involvement during facility design. We take pride in our work and we want our partners to share this pride with us every day through our working relationship over the lifecycle of the facility.

## The Power of **Innovation**

Our growth is driven by continuous research & development. MDS is a world leader in aeroacoustic research for gas turbine test facilities, proactively pursuing answers to industry challenges for over 30 years. Our data acquisition system (DAS) is the most advanced and capable system on the market for gas turbine engine testing. It features plug-and-play operation for new instruments and is network extensible.





We **listen**  
We are **customer-focused**  
We **deliver**





GAS TURBINE  
ENGINE  
SOLUTIONS

**MDS – Head Office Canada**

MDS Aero Support Corporation  
200 – 1220 Old Innes Road, Ottawa, Ontario, Canada K1B 3V3

Tel.: +1 613-744-7257  
Fax: +1 613-744-8016

[MDSAERO.COM](http://MDSAERO.COM)