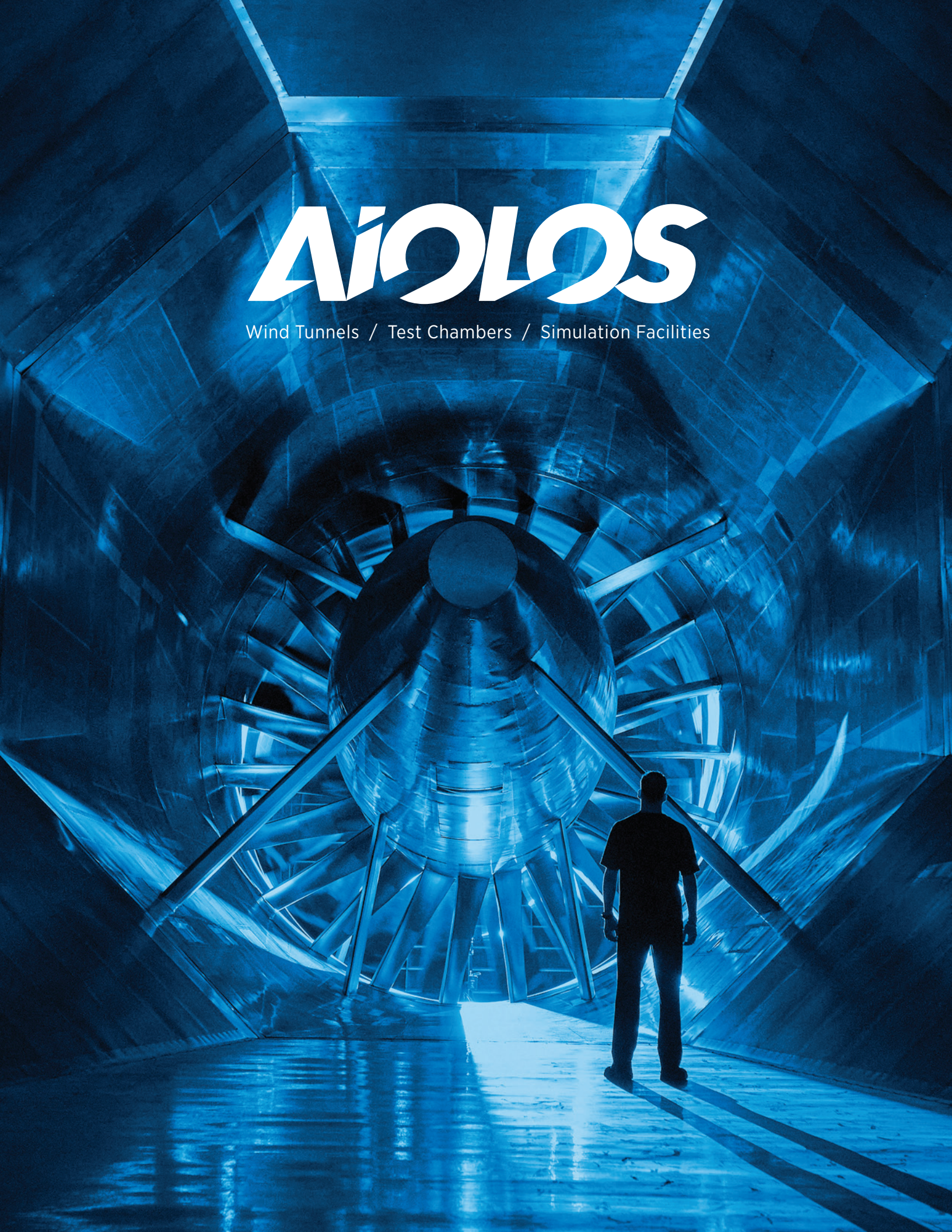


# AIOLOS

Wind Tunnels / Test Chambers / Simulation Facilities



# Realizing your testing and validation needs to drive technological advancement



## AUTOMOTIVE

We have decades of experience engineering Aeroacoustic Wind Tunnels and Climatic Wind Tunnels for some of the leading names in the automotive sector.

### Aeroacoustic Wind Tunnels

Balance / Moving Ground / Probe Traversing / Acoustic Measurement Systems

### Climatic Wind Tunnels

Dynamometers / Environmental Simulation / Acoustics / Altitude / Emissions

## AERONAUTICAL/AEROSPACE

Our extensive project folio includes engineering Aeronautical Wind Tunnels for aircraft and spacecraft test facilities for both civil and military flight vehicles.

### Aeronautical/Aerospace Wind Tunnels

Continuous Low Speed & Transonic Tunnels / Polysonic Blowdown Tunnels / Cryogenic Tunnels / Drone Testing

## INDUSTRIAL/R&D

Our research and development test facility offerings cover a wide range of projects leveraging our multi-physics and aeroacoustic knowledge and decades of design experience to deliver one-of-a-kind test facilities.

### Wind Simulation

Boundary Layer Tunnels & Wind Engineering / Hurricane & Tornado Simulation

### Test Chambers

Reverberant Chambers / Anechoic Chambers / Climatic Chambers / Jet Engine Air Supply

# Different Projects, Same Solid Experience

We simulate the world. Our business is delivering world class solutions to complex R&D facility requirements. We start by thoroughly understanding a client's business and technical needs to deliver innovative and cost effective solutions. We provide our clients the means to simulate environmental conditions in a precisely controlled and repeatable manner allowing for efficient and predictable research and development. We work tirelessly to meet our clients' needs, providing a full range of project services to match your requirements.

## FEASIBILITY STUDIES

We undertake studies for new and upgrade projects to determine the performance, facility layouts, costs, schedule, utility needs, and general planning requirements. These studies are conducted very early in the project cycle and are important in minimizing both technical and commercial risks.

## NEW PROJECT SERVICES

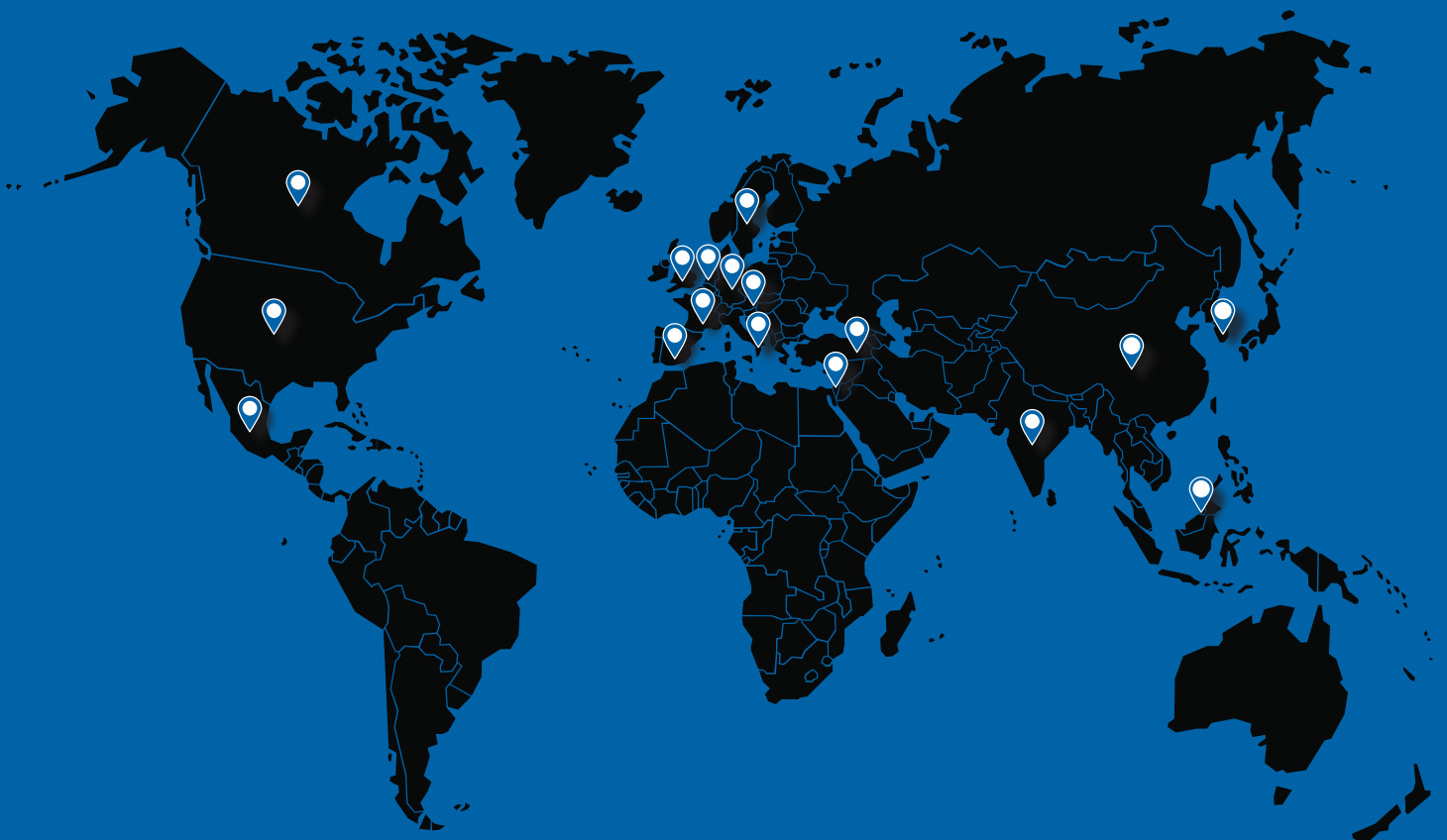
We provide a complete range of services covering concept design, engineering & detailed design, procurement & fabrication, installation & construction, startup, and commissioning for completely new greenfield or brownfield facilities projects.

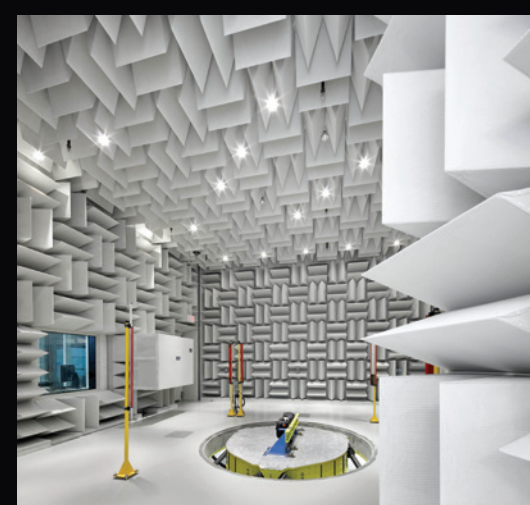
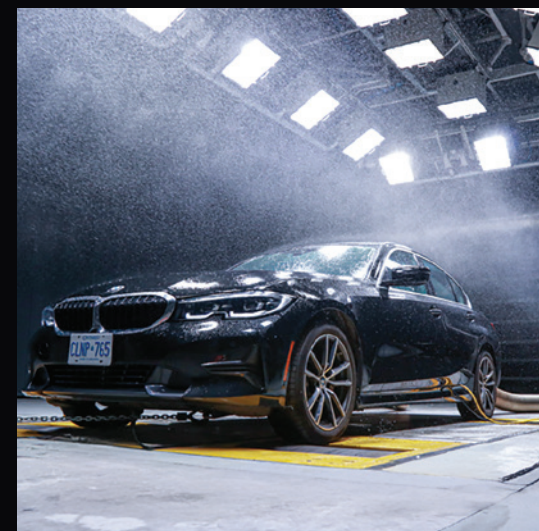
## UPGRADE PROJECT SERVICES

We provide the same full range of services for performance and operational upgrades to existing facilities as we do for new projects. The impact on existing equipment, systems, and utilities is critical for project success and our team has the experience to ensure planning and risk mitigation are in place to minimize the pitfalls that are otherwise the reality of upgrade projects.

## FACILITY CONTROL AND AUTOMATION SYSTEMS (FCAS)

We offer completely integrated Facility Control and Automation System (FCAS) software developed specifically for test facilities, leveraging an intuitive HMI for efficient and easy operation providing flexibility and the ability to tailor the system to each client and their unique needs and fully integrate all facility subsystems and data.





## QUALITY ASSURED, QUALITY DELIVERED

Aiolos' quality and environmental management systems are certified to ISO 9001:2015 and ISO 14001:2015 and form the backbone of our ability to consistently meet or exceed all scope and technical performance deliverables both on-time and on-budget.



## SERVICES OFFERED

- Project Engineering & Project Management
- Design & Engineering
- Design/Build Construction
- Post-Project Support
- Feasibility Studies
- New Project Services
- Upgrade Project Services

## PRODUCTS OFFERED

- Facility Control and Automation Systems (FCAS)
- Aeroacoustic Wind Tunnels
- Climatic Wind Tunnels
- Aeronautical Wind Tunnels
- Boundary Layer Wind Tunnels
- Climatic Simulation Chambers
- Anechoic Chambers
- Reverberant Acoustic Chambers

## SECTORS SERVED

- Automotive
- Aeronautical
- Aerospace
- Industrial
- R&D



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