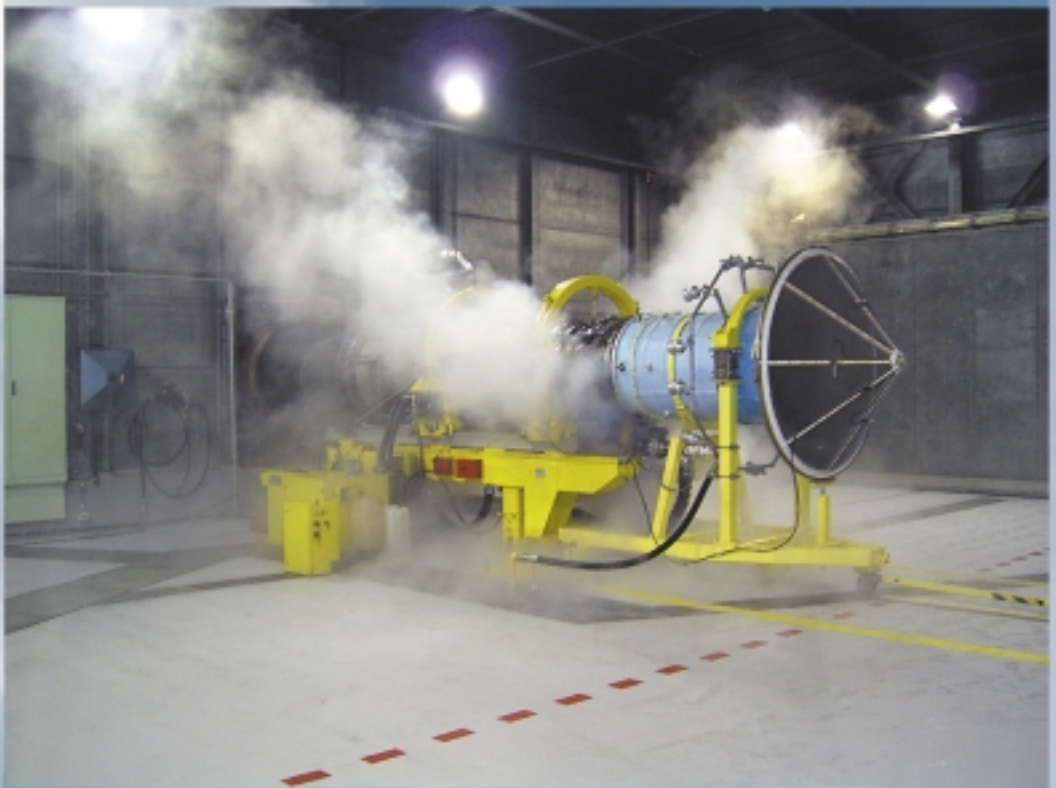


Military Hush Houses & Test Equipment

Operational availability of jet engines to power military fighters is of strategic importance. The choice of the suitable engine testing facility supplier is therefore equally strategic!

Cenco International Hush Houses and Ground Support Equipment provide a truly efficient, 7-day a week, all weather aero engine test capability. Our facilities are suitable for installed (on aircraft) as well as un-installed (on test stand) engine testing of a variety of military aircraft and engine types.



**Cenco offers the
Widest Range in
Engine Testing
Solutions.**



Cenco International™
SAFRAN Group

Turbojet Engine Test Facilities

- ▶ Turbojet engine testing facilities on base or at depot
- ▶ Can be used in a variety of weather & climatic conditions
- ▶ Multiple engine types
- ▶ Engine-only or engine-on-aircraft configurations
- ▶ Fully integrated data acquisition and control system
- ▶ High degree of automation
- ▶ Available in a variety of construction materials (concrete, metallic, prefab)
- ▶ Extensive handling of Safety and Emergency
- ▶ Excellent noise attenuation
- ▶ Air cooled test cell and exhaust

Customers

- ▶ Air Forces (US, French, Belgian, Royal Dutch, Chilean, Hellenic, Indian, Egyptian, Pakistan, Portugese,...)
- ▶ Engine Manufacturers (GE, PW, Rolls-Royce, Snecma, ...)



Engines

F100, F110, F404, M53, M88, EJ200, Larzac, Atar, J85,...

Quality

Cenco International is
EN9100 & ISO9001-2000

Value-Engineered Down to the Details

Scope of Work

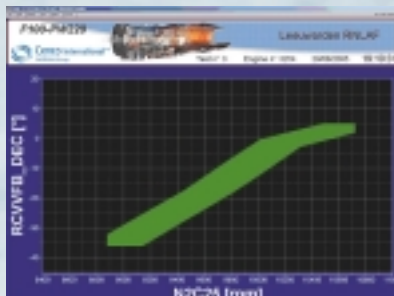
- ▶ Audit & Consulting Services
- ▶ General Design
- ▶ Turnkey Project Management
- ▶ Design & Build of All Specialized Equipment
- ▶ Erection of New Facilities & Utilities
- ▶ Installation and Commissioning
- ▶ Maintenance and Support Services
- ▶ Spare Parts
- ▶ Relocation and Refurbishment of Existing Facilities

Data Acquisition & Control Systems

- ▶ Component-Off-The-Shelf hardware
- ▶ Customizable screens
- ▶ High-level programming language



Installed and uninstalled engine tests in the same facility



Parameter	Value	Unit
N1	0	rpm
N2	0	rpm
FTIT	0	°C
FTIT_start	0	°C
MCP	0	psi
ENP	0.00	%
P15	0.00	psi
MCPV	0.00	psi
VGBV	0.00	psi
VCGH	0.00	psi
VAPG	0.00	psi

Cenco has spent years developing and enhancing a Real-Time Data Acquisition and Control System (DACs) dedicated to testing Aerospace Turbine Engines. Cenco's DACs is designed for maximum flexibility allowing you to customize and upgrade to meet your specific needs.

Cyres.mp can be adapted to your workflow requirements and provides the functionality you require to operate smoothly and safely.

Cyres.mp can be tailored...

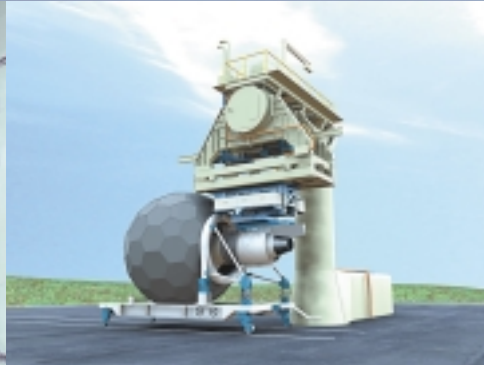
- ▶ As a simple acquisition system with manual controls, to fit in your existing installation while improving your current process flow.
- ▶ As a complete acquisition and control system allowing you to run complete automatic test sequences, controlling your engine and your ancillaries - while controlling all the safety parameters of your installation - and automatically producing test reports in any format, with a single interface!



Cenco International™
SAFRAN Group

Global Leadership in Engine Test Solutions

As the most experienced test cell company in the world (over 40 years), Cenco is committed to offering its customers the tools they need to test their engines accurately, safely and efficiently. Cenco International provides complete turnkey test facilities, test cell upgrades, or specific test equipment. Cenco's expertise covers the spectrum of aerospace propulsion, from turbojet and turbofan to turboshaft, turboprop and APU engines for military or civil applications.



Worldwide Support – We Make Your Life Easier !

Because you can not afford for your test cell to be down for days, we have built the Cenco International™ global network to provide you with a fast and effective customer support. Cenco also offers a complete package of services to help you operate your test cell smoothly, securely and productively. These services include: help-desk, hotline, training, calibration, spare parts, inspection and preventative or corrective maintenance.



Cenco International™ is a trademark of Techspace Aero, and the Center of Excellence for test cell engineering of the SAFRAN Group

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