

ETRI Showcases Its Cooling Solutions for Critical Defense and Aerospace Systems

Since 1945, ETRI has been designing high-performance cooling solutions for the most demanding environments. At Eurosatory 2026, the brand highlights its long-standing expertise and its range of axial fans engineered to ensure the reliability of critical onboard equipment in the defense and aerospace sectors.

In military and aerospace applications, thermal management is a key challenge. Radars, communication systems, mission computers, onboard electronics, and surveillance systems all require efficient cooling solutions to maintain operational availability under extreme conditions.

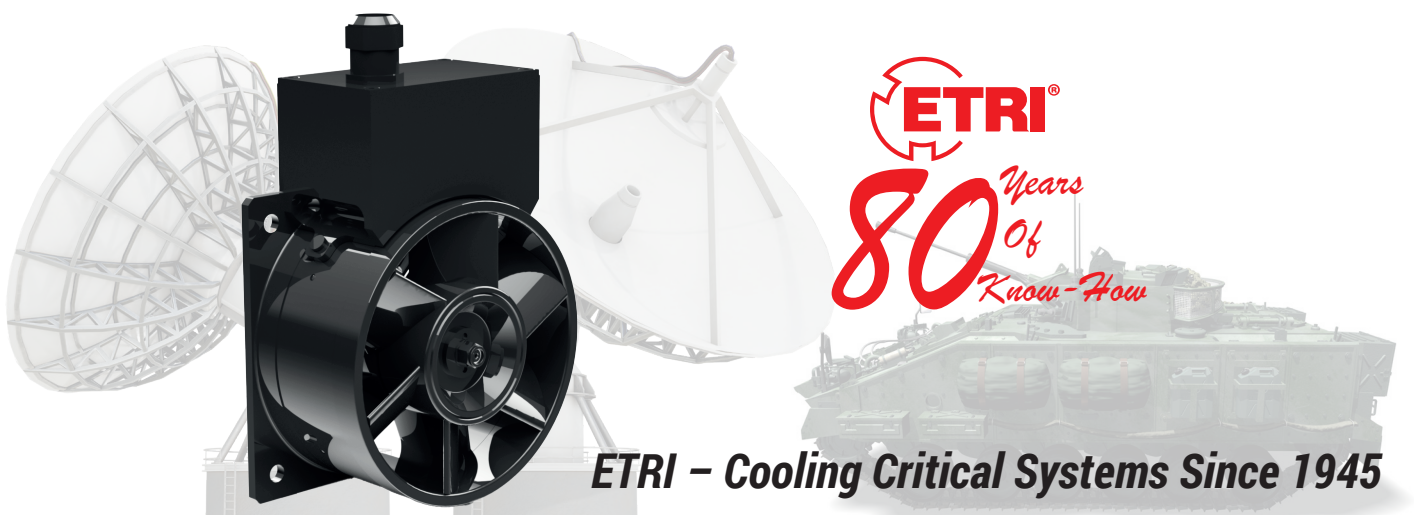
Backed by 80 years of expertise, ETRI develops axial fans designed for harsh environments, capable of withstanding vibration, shock, temperature variations, humidity, salt spray, and dust.

Two Complementary Technologies for Every Mission

ETRI masters both internal rotor and external rotor motor architectures to meet the specific requirements of system integrators and equipment manufacturers.

Internal rotor fans provide outstanding mechanical robustness, optimized thermal management, and high resistance to harsh environments. They are particularly well suited for cooling avionics equipment, onboard computers, and critical systems where reliability is paramount.

External rotor fans stand out for their compact design and high torque. They effectively address the constraints of UAVs, compact onboard electronic systems, and radar equipment where space savings and energy efficiency are essential.



A 28VDC Range Dedicated to Onboard Equipment

As onboard electrical architectures continue to evolve, ETRI's 28VDC high-performance fans have become a preferred alternative to traditional 400Hz solutions.

Powered by 28VDC, these fans help reduce the weight of electrical systems while improving energy efficiency. Their integrated electronics also provide protection against voltage transients up to 80V, a critical requirement in aerospace environments.

Available in a wide range of power ratings, they deliver optimized airflow while offering extensive customization options, including speed control, tachometer outputs, alarm functions, reinforced shock and vibration protection, specific IP ratings, and mechanical interfaces tailored to customer requirements.

Solutions Designed for Critical Environments

ETRI solutions are developed to meet the requirements of major environmental and military standards, including MIL-STD-810 and DO-160.

Thanks to this expertise, ETRI supports defense and aerospace manufacturers in developing increasingly efficient, reliable, and durable systems while ensuring the operational continuity of critical equipment.

Visit ETRI at Eurosatory 2026 – Hall 6, Booth E360 and discover its complete range of high-performance cooling solutions designed for the most demanding environments.