

CT showcases its most innovative defense, aerospace, and space solutions at Le Bourget

Madrid, June 10, 2025. CT, a leading engineering company in technological innovation throughout the entire product lifecycle, will participate in the 55th edition of the Paris Air Show, taking place in Le Bourget from June 16 to 22. At Hall 2B, booths C93 and C91, CT will present its latest solutions in the fields of defense, aerospace, and space.

One of the highlights will be an immersive virtual reality experience that realistically showcases the capabilities of its multi-domain federated simulation ecosystem. Through mixed reality environments, visitors will explore how air, land, and command operations are integrated into coordinated and connected scenarios.

This experience provides a comprehensive view of CT's suite of simulators:

- **Command & Control (C2) Center Simulator:** Replicates a real-time command table, managing communication and decision-making across various operational platforms.
- **Fighter Aircraft Simulator:** Simulates the piloting of a fighter jet in coordinated mission scenarios, featuring aerial maneuvers and interaction with other mission elements.
- **AFV (Armored Fighting Vehicle) Simulator:** Recreates the behavior of an armored vehicle in land operations, integrated with air units and command and air support centers.
- **Defense Drone Simulator:** Enables users to experience tactical drone operations for surveillance, reconnaissance, and intelligence gathering.

Complementing these innovations, CT will also showcase **KOIOS**, an **artificial intelligence** solution specifically designed for defense environments. KOIOS enhances automated decision-making, optimizes threat detection, and strengthens surveillance capabilities—even in resource-constrained or unstable operational conditions.

In the space domain, CT will present developments from **PADA-1**, a consortium formed by HyPrSpace, Telespazio, and CT. The project focuses on a hybrid propulsion system for suborbital missions and payload delivery to space, applied respectively to the **Baguette One** and **Orbital Baguette One (OB-1)** vehicles. This hybrid technology, which combines solid and liquid propellants, offers a safer, more sustainable, and efficient alternative to conventional launch systems.

Also, on display will be **INSIDeR**, a ground-based simulator using active debris removal (ADR) technologies, addressing the growing need for space debris management. Additionally, visitors will discover **LAB METOC Defense & Space**, a tool designed to assess meteorological



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and environmental conditions, minimizing operational risks and ensuring mission success in both defense and space launch contexts.

CT Infodream will present its **Qual@xy MES** system, an industrial digitization platform designed to optimize production, improve traceability, and enhance real-time quality control. The system captures and analyzes key data throughout the production process, enabling data-driven decision-making and greater operational efficiency. With its modular structure, the platform can be adapted to companies of various sizes and industries.

AXTER will also be featured at the same booth, showcasing its **hybrid propulsion system for light aircraft**. This advanced solution is designed to enhance both flight safety and energy efficiency. It combines high-performance lithium batteries with a proprietary **Battery Management System (BMS)** that monitors each cell in real time and optimizes performance. This setup provides additional power during takeoff, climb, or emergency situations. Its lightweight design and high power output also contribute to reduced fuel consumption and lower maintenance costs.

At this edition of the Paris Air Show, CT reaffirms its commitment to developing cutting-edge technological solutions that strengthen operational capabilities across key sectors such as defense, aerospace, and space.

About CT

CT is a leading engineering company throughout the complete product lifecycle. For more than 35 years, our mission has been to provide innovative services and technological solutions that help our clients be more effective and competitive. Today, CT's success is driven by 2.000+ engineers in seven countries providing end-to-end expert support to leading customers in the aeronautical, space, naval, automotive, railway, energy and industrial plant sectors. www.ctengineeringgroup.com

For more information:

Ignacio Abbad
Head of Marketing and Communications
The CT Engineering Group
Tel. +34 646 368 996
ignacio.abbad@ctengineeringgroup.com
www.ctengineeringgroup.com

Gabriela Martín Rodríguez
Internal and Corporate Communications
The CT Engineering Group
Tél. + 34 618 073 329
gabriela.martin@ctengineeringgroup.com
www.ctengineeringgroup.com