



BOOTH B1 - 503

FOR IMMEDIATE RELEASE

CRP Technology Showcases Cutting-Edge 3D printed Solutions for Drones and Aerospace at AERO 2024

[Modena, Italy, 11 April, 2024] CRP Technology, a leading provider of 3D printing services with its advanced range of composite materials Windform, is proud to announce its participation as an exhibitor at the prestigious **AERO aviation trade show 2024**. This marks the first time CRP Technology will attend this esteemed event, highlighting the company's dedication to advancing the drone and aerospace industry through innovative additive manufacturing solutions.

AERO 2024, celebrating its 30th anniversary, will be held from **April 17 to 20, 2024**, at the exhibition grounds of **Messe Friedrichshafen**, Lake Constance. CRP Technology is present at **booth B1 – 503**, where attendees will have the opportunity to explore the **latest advancements in** drone and aerospace technology represented by 3D printed **flight- and space-proof applications**, structures, and components made from the company's renowned range of Carbon or Glass fiber reinforced, thermoplastic composites **Windform**. Notably, these parts have been **crucial components** of successful space missions and some are still in orbit, underscoring their reliability and performance.

CRP Technology leverages the Selective Laser Sintering (SLS) 3D printing process with professional-grade SLS 3D printers, establishing Windform composites as a **cornerstone in the drone sector**. These composites provide **exceptional strength, durability, and performance**, particularly in critical applications like structural parts such as the **body frame and arms** of drones. This is vital for reducing mass and optimizing fitting, crucial factors in drone design. This consistency is **essential for maintaining structural integrity and operational efficiency**, contributing to the overall reliability and effectiveness of drone systems.

Over the years, CRP Technology's 3D printing service and Windform composites have played a **pivotal role in advancing industrial drone applications**. The durability and sturdiness of Windform composites make them ideal for applications requiring **resistance to extreme weather conditions**, ensuring drones can withstand harsh environmental factors, including exposure to water.

Windform composites strike a balance between **lightweight construction and structural strength**, enabling drones to **maintain agility and maneuverability** while being robust enough to endure operational stresses. This characteristic is paramount in drone design, where both performance and durability are critical.

Moreover, Windform composites facilitate the creation of **complex geometries and modular components**, enhancing flexibility to meet diverse professional needs and simplifying maintenance



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processes. This customization capability is **invaluable in adapting drones for various applications and operational scenarios.**

In addition, CRP Technology's participation aligns with the major theme of AERO 2024: the transition of aviation towards **greater sustainability**. Windform composites offer **lightweight and durable solutions** that can help reduce fuel consumption and emissions, contributing to the industry's sustainability goals.

AERO 2024 also features the e-flight expo, focusing on innovative solutions and projects in electric aviation. CRP Technology's Windform composites are well-suited for electric aircraft applications due to their **high strength-to-weight ratio** and **compatibility with electric propulsion systems**.

"We are thrilled to participate in AERO 2024 and showcase our innovative aerospace and drone solutions," said Franco Cevolini, CEO and Technical Director at CRP Technology. "Our Windform composites have been instrumental in driving advancements in these sectors, offering **unparalleled performance and reliability**. We look forward to engaging with industry professionals and demonstrating the capabilities of our cutting-edge manufacturing materials Windform."

Visitors to CRP Technology's booth will have the opportunity to learn about the latest developments in additive manufacturing and explore how Windform composites are revolutionizing aerospace and drones applications.

CRP Technology's team of experts will be on hand to discuss specific projects, collaborations, and opportunities for partnership within the aerospace sector.

Book a time slot by emailing us at: info@crp-group.com



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About CRP Technology:

CRP Technology is a leading provider of professional 3D printing services with its range of high-performance composite materials Windform for various industries including aerospace, motorsports, and robotics. With a focus on innovation, sustainability and quality, CRP Technology is committed to pushing the boundaries of additive manufacturing technology and delivering exceptional solutions to its customers.

crptechnology.com

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