

MORE THAN
20 YEARS
OF INNOVATION

UAV Navigation - Grupo Oesía is a company highly specialized in the design and development of **Guidance, Navigation and Control Solutions (GNC)** for Unmanned Aerial Vehicles (UAVs) since 2004

Over 20 years in which we have become **LEADERS** in the industry.

MORE THAN
100,000 systems sold



OVER
1,000,000 flight hours

UAV Navigation
grupo oesía

contact@uavnavigation.com

www.uavnavigation.com

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RELIABLE
GUIDANCE, NAVIGATION, AND
CONTROL FOR UNMANNED SYSTEMS

OFFICIAL CATALOGUE

FLIGHT CONTROL | SOLUTION



VECTOR ADVANCED AUTOPILOTS



GNSS-Denied Navigation



Qualified Hardware for Cross Domain Missions



All types of Autonomous and Advanced Mission: C-UAS, ISTAR, Search and Rescue...



Designed for Large Scale Operation



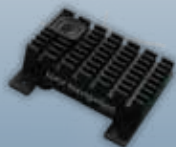
Ready for Operational Certifications: SAIL III & IV, DO-178C oriented Software Development



Engineered for Interoperability



4% Navigation Drift Using only Inertial Navigation



VNS VISUAL NAVIGATION SYSTEMS



<1% Error in Unknown Areas, Zero Drift in Known Areas



Day & Night Operation



Terrain Referenced Navigation (TRN)



Satellite Map Preload



Plug & play with VECTOR Autopilot



Compact & Lightweight Design

WE MAKE THE DIFFERENCE.

We are the international benchmark when it comes to:



LARGE PRODUCTION CAPABILITIES

High-quality facilities support **large-scale manufacturing**. Efficient processes ensures timely delivery.



ADVANCED UAS MISSIONS

Swarm & MUM-T, Coordinated Missions, Manned-unmanned Teaming, 4D Trajectories, Camera-Guided Navigation, Air-Launch Operations ...and many more.



SYSTEM INTEROPERABILITY

Open architecture systems that ensure interoperability with third-party components.



RELIABLE GNSS-DENIED NAVIGATION

Precise navigation in hostile environments without GNSS. Algorithms detect **jamming and spoofing threats**.



REAL-WORLD FIELD EXPERIENCE

Technology shaped by **real-world operational scenarios**. Field experience drives **innovation and reliability**.



SUITED FOR OPERATIONAL CERTIFICATIONS

Flight Control System ready for **EASA SAIL III & IV**. Fully compliant with **STANAG 4703** standards. **Modular architecture** tailored to mission needs.



A RELIABLE PARTNER

Offering **robust solutions and outstanding support**.



VISIONAIR COMMAND & CONTROL STATION SOFTWARE



All-in-one tool: Configuration, Operation and Post-Analysis



Advanced Flight Plan Editor



Enhanced Situational Awareness Features



Advanced Sense and Avoidance Capabilities For ATC Monitoring



Flexible and Customizable



Intuitive & Reliable