

PUBLIC SAFETY

DEFENSE

# Efficiency and Reliability in Critical UAV Operations

Alpha Unmanned Systems relies on the Getac B360 fully rugged laptops to ensure reliable UAV operations in critical and challenging environments.

## / Challenge /

Alpha Unmanned Systems is a developer of UAV (Unmanned Aerial Vehicle) helicopter platforms used in critical missions such as maritime surveillance and border control. Their operations take place in extreme conditions, ranging from jungles to deserts, with military and government fleets as regular clients. This complexity demands rugged technological tools that ensure continuous and reliable performance, adapting to severe environmental demands and high client expectations.

## / Solution /

Committed to reliability, Alpha Unmanned Systems has chosen the fully rugged Getac B360 laptop for its control stations. These devices excel in demanding environments due to their rugged design, waterproofing, power, and superior screen visibility even under intense sunlight (1400 nits). The cost-effectiveness and post-sales technical support from Getac reinforced this decision, enabling Alpha to integrate these tools into both land and maritime stations with successful results.

## / Benefits /

The integration of Getac devices has brought significant improvements to Alpha Unmanned Systems' operations. Their rugged design supports functionality in diverse environments, enabling the execution of critical missions without technical interruptions. This reliability allows teams to focus on operational objectives. By meeting international standards, Getac helps strengthen Alpha's reputation among its key clients, providing confidence and satisfaction in a competitive sector.

## / Alpha Unmanned Systems /

"The reason for using Getac devices is to rely on equipment that meets the expectations of top-tier clients such as the Greek Navy or the Indonesian Coast Guard."

Álvaro Escarpenter, COO at Alpha Unmanned Systems



Getac B360  
Fully rugged laptop

## / Challenge /

Alpha Unmanned Systems is a leading company in the development of UAV helicopter platforms, whose systems fly longer and carry heavier payloads than similarly sized UAVs, thanks to their reliable combustion engines. The need to conduct missions in locations with high humidity, extreme temperatures, or even strong vibrations poses operational challenges for control stations. Their aircraft are used in critical sectors such as maritime surveillance and border control, where connectivity and precision are crucial for mission success. These responsibilities are often carried out in collaboration with major governmental and military entities, such as the Greek Navy and the Indonesian Coast Guard, who demand tools that are not only technologically advanced but also resilient enough to remain optimal under any possible environmental conditions.

## / Solution /

To address this challenge, Alpha decided to include the rugged Getac B360 laptops as an essential part of their control stations. These devices are engineered to support reliable operations across diverse environments, even under challenging climatic or logistical conditions. Among the technical features most valued by Alpha are water resistance, a sealed design that prevents deterioration from dust and humidity, and a 1400-nit screen that helps excellent visibility under intense light. In addition to their physical robustness, the design of the Getac laptops allows for easy transport and adaptability to different station

configurations, both on land and at sea. The cost-effectiveness and continuous technical support offered by Getac were decisive factors in the choice, solidifying this collaboration as an efficient solution to the demands of Alpha's UAV missions.

## / Benefits /

The implementation of Getac B360 laptops has optimized Alpha Unmanned Systems' operations on multiple levels. Firstly, the devices ensured the reliability needed to complete critical missions in adverse weather conditions. This operational reliability translates into a higher level of confidence for control station operators, who depend on the devices to manage and monitor UAVs in high-risk scenarios. Additionally, the power and durability of these devices facilitate proper resource management, offering high-quality technology with an appropriate cost-benefit ratio. Finally, this technological advancement allowed Alpha to allocate more resources to the innovation of their UAV helicopters, reinforcing their leadership in the sector and improving the satisfaction of key clients, who see Alpha as a provider that meets all their expectations and rigorous technological standards.

## / About Alpha Unmanned Systems /

Founded in 2014 and headquartered in Spain, Alpha Unmanned Systems is globally

recognized for developing tactical UAV helicopters with unique capabilities. Their platforms are known for extended flight times and the ability to carry heavier payloads than other similar UAVs. These features have enabled Alpha to expand to more than twelve countries and collaborate with clients in sectors such as defense, public safety, and maritime surveillance. The company's commitment to technical quality and customer satisfaction positions it as a reliable option in a highly competitive market. Additionally, Alpha follows an innovative approach focused on adapting its products to the specific demands of each client, always ensuring outstanding performance in various scenarios. This commitment to excellence is backed by a multidisciplinary team of experts in aeronautics, engineering, and tactical operations.

