

INDRA'S 'CROW' SYSTEM COUNTERACTS A DRONE ATTACK DURING A DEMONSTRATION BY THE AIR AND SPACE FORCE AT UNVEX

- Indra boasts one of the most advanced and effective solutions available to protect airports, critical infrastructures, government buildings and military deployments
- Crow is one of the few systems that has already proved its efficacy in real operations: it has protected Spanish soldiers deployment at Nigeria and also the landings of the Presidents and Prime Ministers that attended to the NATO Congress last June in Madrid
- Only the world's most advanced companies such as Indra can offer a proven solution that's always one step ahead of the threat. Indra is a major global leader in the defence market and one of the world's leading technological engineering companies.

Madrid, September 16, 2022.- Two small unmanned aircraft take off without authorization in the vicinity of an airbase, putting the safety of the air operations at risk. The Air and Space Force detects, analyzes and neutralizes the threat in a matter of seconds with the help of Crow, the cutting-edge anti-drone system that Indra presented this week at UNVEX, the flagship event held in Spain for the unmanned vehicle sector, which took place in Seville this year.

The Air Deployment Support Squadron (EADA) of the Air and Space Force was tasked with conducting the exercise and demonstrating to a large number of experts and customers the intelligence and significant capabilities of a state-of-the-art system that's already being used during real military missions of the highest complexity.

On this occasion, its mission consisted of protecting the runways of a small simulated airbase during which two drones unexpectedly took off just one kilometer away, leaving a short reaction time to neutralize them. The Crow system's high-precision radar immediately detected the intrusion and its optoelectronic systems were able to establish visual contact with them to confirm the threat. At the same time, the system's electronic defence antennas scanned the radio spectrum to determine what kind of link these devices were using.

All this information fed the advanced algorithm of Indra's solution, which cross-checked with its data libraries the kind of drone it was dealing with and the most effective countermeasure to be employed.

It was enough for the first of the two aircraft to cross the non-intrusion perimeter for Indra's powerful jamming system to be activated and completely block the aircraft's communication links and positioning systems, forcing them to land. The system thus prevented any of the drones, which were likely to be carrying some type of explosive, from having the slightest chance of approaching any of the aircraft that were landing.

According to Indra's Counter UAS system manager, Juan López, "the vast majority of incidents that occur are caused by the inappropriate use of commercial drones, which many systems are able to counter, providing a false sense of security. To stop an intentional attack, during which advanced drones are used with the aim of causing as much damage as possible and the safety of passengers on a flight is jeopardized, requires the use of a fully reliable and effective system, such as the one Indra offers its customers".

Anti-drone systems involve highly complex technology that requires the combined use of different systems working together with absolute accuracy and at enormous speed. In this respect, Indra has a huge advantage in that it's one of the world's leading radar manufacturers, a leader in electronic defence and command and control systems and a pioneer in the development of all kinds of radio frequency, positioning and communication systems. At the same time, it's a drone manufacturer that relies on its own family of unmanned vehicles, providing it with in-depth knowledge of the systems it employs and how to

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neutralize them. Only in this way it is possible to bring a critical solution such as this to the market; all the world's airports, industrial facilities and public buildings will have to incorporate it in the coming years, and armies are already using it to protect themselves in conflict zones.

About Indra

Indra (www.indracompany.com) is one of the leading global technology and consulting companies and the technological partner for core business operations of its customers worldwide. It is a world-leader in providing proprietary solutions in specific segments in Transport and Defence markets, and a leading firm in Digital Transformation and Information Technologies in Spain and Latin America through its affiliate Minsait. Its business model is based on a comprehensive range of proprietary products, with a high-value, end-to-end focus and with a high innovation component. In the 2021 financial year, Indra achieved revenue of €3.390 billion, near 52,000 employees, a local presence in 46 countries and business operations in over 140 countries.