

Anti-tracking solution for Ukrainian base station energy management system



Overview

With the support of Dedrone, the Ukrainian Military now has an effective CUAS solution on the battlefield that is capable of detecting, tracking, identifying, and mitigating enemy / unwanted drones. It is important to know that the hundreds of kamikaze drones that Russia launches every night are aimed not only. Phantom Technologies' GNSS Jamming Systems are advanced electronic countermeasure (ECM) tools designed to disrupt and disable Global Navigation Satellite Systems including GPS (USA), GLONASS (Russia), Galileo (EU), BeiDou (China), and QZSS (Japan). These jammers are engineered to prevent. This paper proposes an innovative reinforcement learning framework leveraging a Long Short-Term Memory (LSTM)-based Advantage Actor-Critic (A2C) model enhanced with an attention mechanism. Together, these components.

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This plan outlines key goals for Ukraine's energy transition, including achieving a 27% share of renewable energy in total final energy consumption. Additionally, it establishes diversification ...



Our exhaustive research offers data-driven insights into emerging counter-drone systems, which we are covering through a three-part anti-drone technologies series. You can find the 30 innovative systems ...



Learn about innovative Ukrainian interceptor drone systems. Stay up to date with the new anti-drone technology developments.



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These jammers are engineered to prevent unauthorized tracking, navigation spoofing, and manipulation of satellite-based positioning and timing data.



Developed by the Ukrainian company Proximus, the Bukovel-AD was designed to use a passive RF sensor to detect UAVs at ranges of up to 100 km, then when the intruder was less than ...



/GLONASS control channels. The key element of this solution is a ground station comprised of Detection and Control modules. In addition to GPS and GLONASS control channels jamming the system also ...



Whether deployed at a remote military base, mounted on an armored vehicle, or installed to protect critical infrastructure, the system delivers enhanced situational awareness and decisive ...



In this study, we introduce a novel reinforcement learning (RL) framework tailored to optimize UAV-BS trajectories and coverage within 6G-enabled Internet of Things (IoT) networks. Our ...



The solution creates the missing link between organisations (airports, ANSPs and law enforcement), existing infrastructure (ATC air situation, police and blue force tracking) and new systems (UTM and ...

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