DroneDeploy Releases Real-time Thermal Mapping for Commercial Drones

DroneDeploy, a drone software company with the largest drone data platform in the world, has announced the launch of Thermal Live Map, a real-time mobile mapping solution which delivers insights only thermal imagery can reveal. A first-of-its-kind feature, Thermal Live Map visualises temperature range variability and creates instant thermal maps for quick, data-guided decisions on the job site.

Traditionally thermal inspections have been time-consuming, limited to accessible areas, or required manned aircraft that typically yield low-resolution data at a high price. DroneDeploy's Thermal Live Map solves these issues by providing immediate visual context to situations unseen by the naked eye — all without a computer, SD card, or internet connection. The new solution uses the latest advancements in edge computing to generate thermal drone maps locally on iOS devices as a DJI drone flies.

Solar Energy

Solar panels often overheat, go offline, or require maintenance due to excess dust, scratches or mechanical deficiencies. It's time-consuming and unreliable to inspect them from the ground. With Thermal Live Map solar farms can be inspected from the sky in minutes allowing operators to isolate and measure potential problem areas while the drone is in flight.

Construction & Roofing

Before drones, building and roof inspections were extremely dangerous, time-consuming, and took a physical toll on workers. Thermal Live Map pinpoints problem areas such as cracks, leaks, and structural damage within minutes and minimises safety risks. Companies can retro and proactively address existing and potential risks, preventing disasters on site and saving lives.

Incident Response & Public Safety

Thermal Live Map allows first responders to view hundreds of acres in minutes penetrating hard-to-reach and hard-to-see terrain where missing or injured persons may be awaiting rescue.

The new solution is particularly valuable for firefighting, giving firefighters the ability to see through smoke and keep track of their personnel in large fire scenes. Thermal Live Map also helps locate precisely where the fire is hottest and provides definitive confirmation the fire is extinguished in specific areas.

To learn more about the Thermal Live Map and review the hardware requirements visit: www.dronedeploy.com/live-map.html

https://www.gim-international.com/content/news/dronedeploy-releases-real-time-thermal-mapping-for-commercial-drones