

VEOLIA – Mission d'aide à l'inspection thermique d'un poste électrique

Veolia wanted to inspect a high-voltage source substation located in the suburbs of Rabat (Morocco) in order to detect abnormal overheating points. Given the nature of the site, several hours are required for a pedestrian inspection tour, which until then was carried out visually by a single agent and at least 10 meters from the high voltage lines (60,000 V). A usual inspection therefore requires an intervention, heavy security constraints for a rendering that is sometimes imprecise and not well documented.

Veolia therefore called on Altametris for the thermal inspection of this source substation. The performance objectives related to:

- The quality of the deliverable and its ease of use with regard to business constraints
- Increased safety for people and equipment thanks to the interface with the machine
- Time savings due to the ability of the drone and its sensor to cover a large area quickly and accurately.

Altametris addressed each of these requirements by carrying out the airborne thermal inspection of this three-hectare area in just 30 minutes. The thermal orthophotography, produced from the recordings, enabled Altametris to detect and pre-categorize the heating points. The deliverable was made available to the client on the Altametris Suite platform for an ergonomic consultation, allowing him to virtually visit his infrastructure by focusing on points of interest.

Ground operations are thus optimized and directed towards the actual maintenance needs of the operation.



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