



FENIX AIR

ENVIRONMENTAL MONITORING

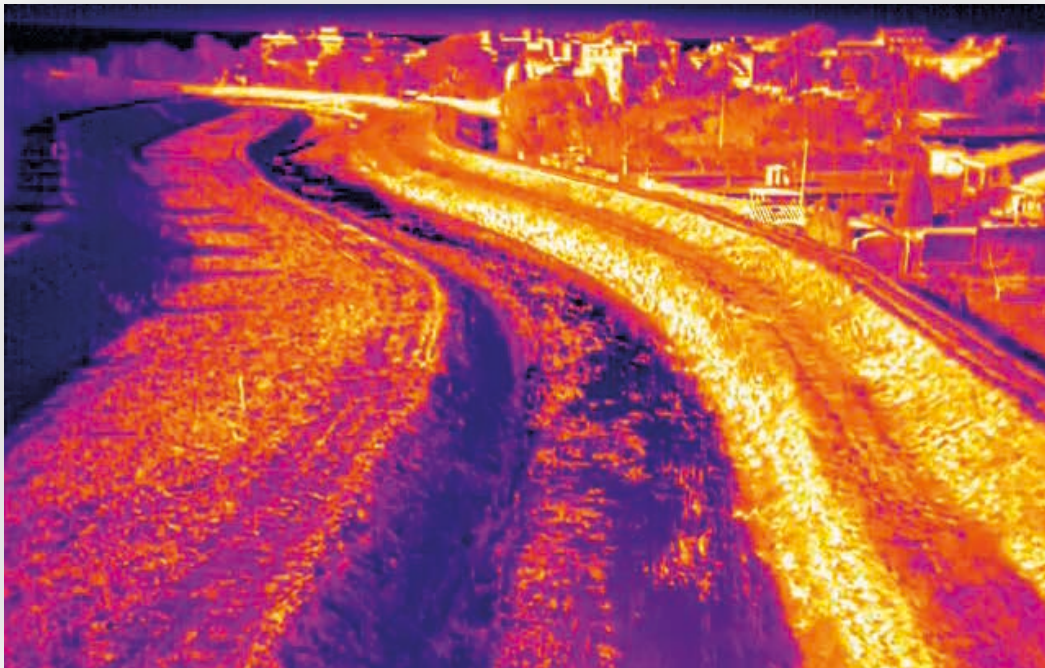
The usage of drones in the field of the Environmental Monitoring is playing, nowadays, a fundamental role, complementing or even replacing slower terrestrial equipment, low resolution satellite images of expensive aerial services.

Our instruments are: RGB cameras, thermal imaging cameras, LiDAR and GPR.



What we get:

- ✓ high-resolution orthorectified aerial images;
- ✓ aerial thermal images;
- ✓ three-dimensions models, made with *structure for motion*;
- ✓ digital terrain models;
- ✓ geo-references maps of the anomalies.



Why should you integrate Drone Environmental Monitoring in your project?

- ✓ It allows you to determine the characteristics of an object without having a physical contact with it;
- ✓ measures are made off-line (in retrospect, after the survey), which means that they can be repeated, modified and controlled;
- ✓ cost-effectiveness and fast execution of survey and data analysis.

The fields of application are:

- ✓ dumps monitoring and environmental impact assessment using aerial thermal imaging to identify abnormal temperature differences or to measure absolute temperatures;
- ✓ analysis of hydrogeological instability and calculation of the volumes through aerial photogrammetric surveys;
- ✓ air quality monitoring, using sensors able to detect biogas or noxious gas;
- ✓ usage of drone GPR to detect pollutants in the subsoil on non-walkable areas.



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