

FULL SPECTRUM APPLICATIONS

AisaFENIX is an advanced hyperspectral imaging tool for efficient implementation of full spectrum VNIR + SWIR applications both on the ground and in the air.



Law Enforcement and Defense Applications

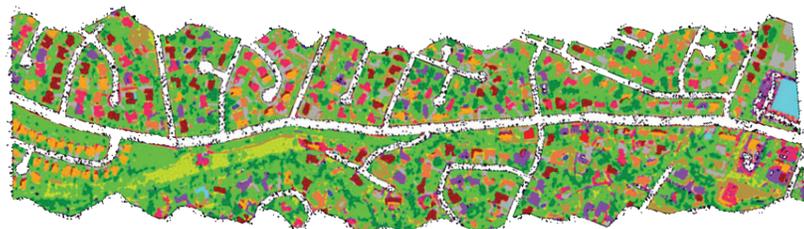
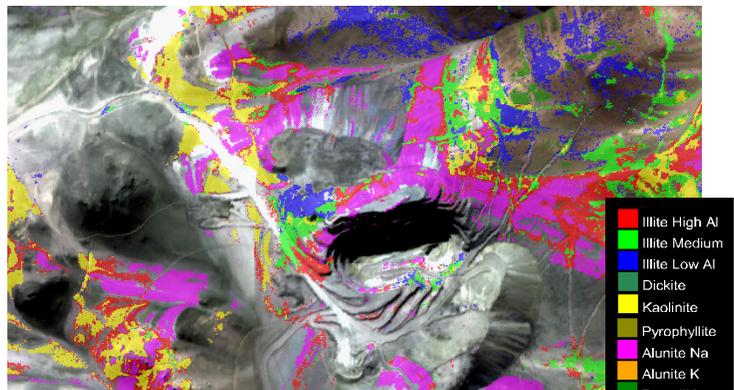
- Law enforcement applications
- Camouflage and artificial materials detection
- Disturbed earth and change detection
- IED and homemade explosive precursor materials detection

Courtesy of SpecTIR LLC, USA

Geological and Geothermal Exploration

- Geological mineral mapping and geothermal exploration
- Open pit mine wall monitoring
- Drill core logging

Courtesy of SpecTIR LLC, USA



Fire & Flood Risk Analyses

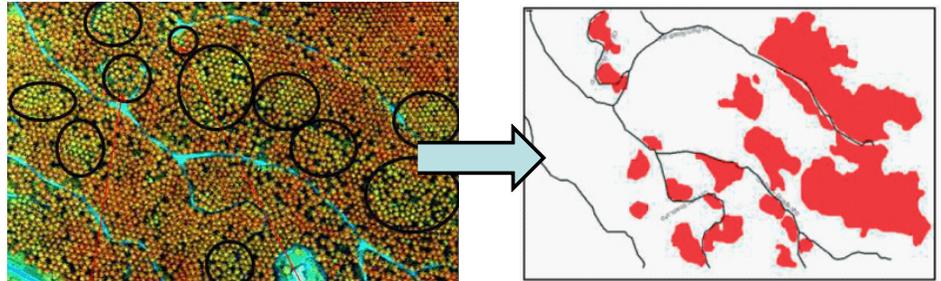
- Forest and infrastructure material mapping for fire risk assesment
- Soil characterization

Courtesy of SpecTIR LLC, USA

Vegetation health and forest inventory

- Plant mapping and vegetation health characterization
- Forest inventory and chemistry applications
- Illicit and invasive species detection
- Agricultural crop assessment

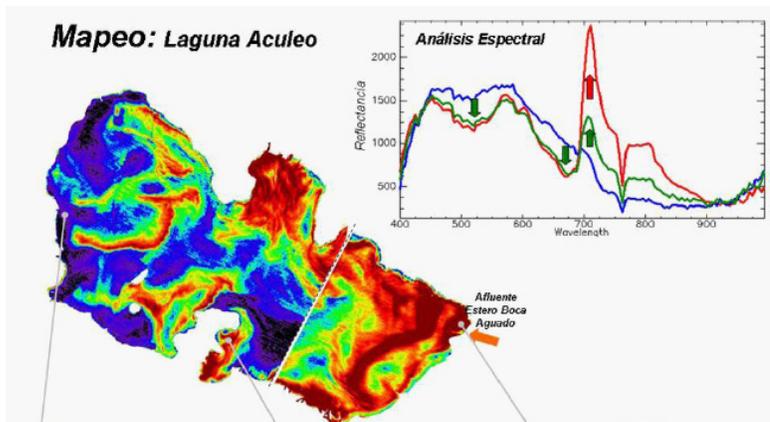
Courtesy of Sarawak Forest Department Malaysia



Environmental monitoring

- Water quality assessment, bathymetry
- Water contamination, hydrocarbon leakage detection

Courtesy of Centro de Economía Aplicada (CEA), Chile



AisaFENIX - Full Spectrum Imager

AisaFENIX's unique compact sensor format allows for installation and use in low operational cost platforms in fusion with other sensors (like LIDAR, RADAR and digital camera).

