



## GEOMATICS

## OUR SERVICES

- ▶ Structural Cold & Heat Loss
- ▶ Electrical Equipment Inspection
- ▶ Solar Panel Inspection
- ▶ Invasive Animal Detection
- ▶ Above- & Below-Ground Pipe Leaks
- ▶ Emergency Management
- ▶ Controlled Burn & Wildfire Monitoring

## REACH OUT

[www.withersravenel.com](http://www.withersravenel.com)

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115 MacKenan Drive  
Cary, NC 27511

## INFRARED

(thermal) imaging

WithersRavenel accelerates site knowledge and enhances risk management by gathering infrared photography and videography via Unmanned Aircraft Systems (UAS). With this technology, our FAA-certified and experienced pilots can efficiently detect and monitor temperature differentiation over large sites or structures, identifying hot and cold pixels in real time with digital zoom. By applying post-processing techniques to the imagery, WithersRavenel can also perform detailed thermal analysis or stitch together large mosaics that retain infrared symbology using structure from motion software.

All of these benefits are achieved while simultaneously reducing project risk, because UAS enable us to gather thermal data remotely during the day or night, limiting disturbances to regular operations.

