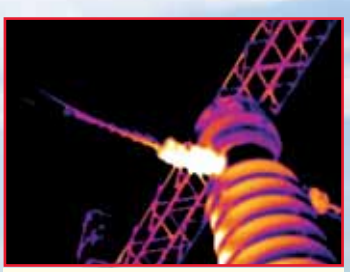
PERGAM-SUISSE AG

We Invent to Prevent

Airborne Power Line Inspection Service



IR Camera

14 Mega Pixel Digital Still Frame Camera

UV Sensitive Camera

HD Color TV Camera

Equipment rental also available

Airborne Power Line Inspection Service

Pergam-Suisse AG airborne power line inspection service utilizes the most advanced technology, experienced pilots and electrical power line specialists, and certified operators to detect weak points before they impact your power line network.

The service delivers superior results using ***thermographic***, ***Ultra Violet-measurement***, and ***visual imaging*** combined with our expertise.
The latest generation of thermographic infrared technology from the market Leader, FLIR Systems, is the core of our service.

Additionally the CoroCAM 504 camera detects partial discharges seen only in the UV spectrum.

During the flight multiple high resolution visual and infrared images are created to highlight failure points.

Electrical utility companies can improve efficiency, potentially eliminate failures, and reduce maintenance costs from use of our professional high-voltage line inspection solution.

These make Pergam-Suisse AG the best choice for power Line inspection.

Potential failures that can be detected early:

- Loose connections
- Oxidized switching elements
- Faulty insulators
- Overheating joints
- Undersized conductors/components
- Loose or faulty suspension elements, spacers, and vibration dampers
- Problems with anchor pylons
- Degradation of polymer insulators
- Cracked porcelain insulators
- Corroded cement and metal caps, and pins on porcelain insulators

Equipment rental also available

The inspection process

Specify the section of power line to be inspected via GPS waypoints and we will fly the route as soon as conditions allow. An authorized electrical utility representative may accompany the inspection. An initial assessment is made during the inspection by an electrical specialist. The inspection duration depends on the number and complexity of components to inspect and problems detected. After the flights the final assessment is performed and a report including a copy of all data recorded in digital format is submitted.

Results

The data includes the complete documentation of the flight including thermographic, UV images, and high resolution video images. The data is correlated with GPS coordinates for display on digital maps.

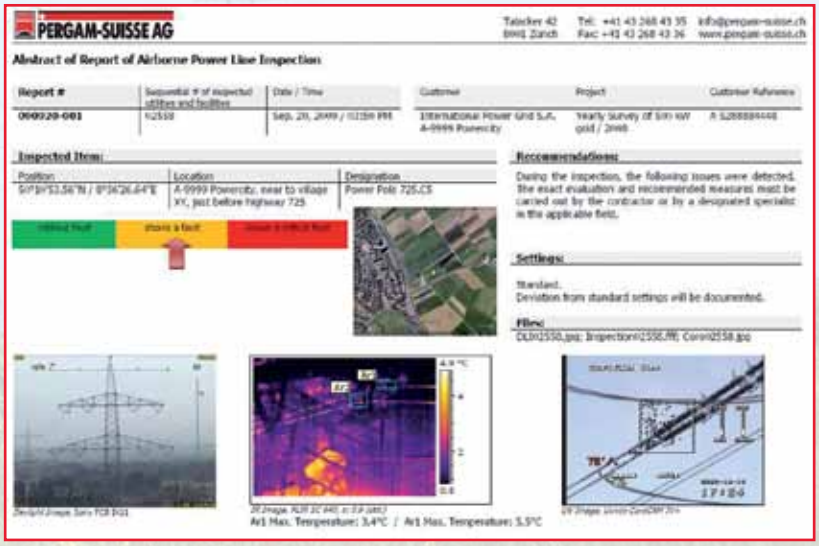
Costs

Airborne inspection's efficiency and unobstructed access to the power line network provides a superior return on investment compared to other inspection methods

We will gladly prepare a customized quotation based on your needs!

Advantages of airborne power line inspections:

- Reduced inspection duration with faster results
- Real-time assessment
- Inspections of otherwise inaccessible terrain such as mountainous regions
- 100% system documentation
- Reduced personnel cost
- Problems can be detected at an early stage
- Weak points can be detected before they fail leading to less downtime and reduced maintenance costs



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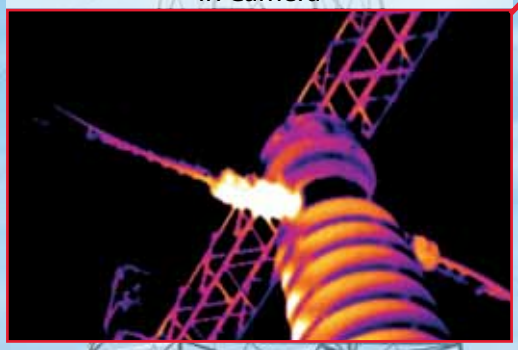

UV Sensitive Camera

Greatly reduce unscheduled downtime and operating cost with the new Power Line Inspection Service

Ultraviolet and Infrared Inspection

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