



BACK ROADS SERVICES

EXCEEDING GOALS & EXPECTATIONS

SOPHISTICATED TECHNOLOGY & STRATEGIC SOLUTIONS

As technology continues to evolve, Back Roads is committed to providing safe, efficient, cost-effective, state-of-the-art solutions for our clients, consistently utilizing a forward-thinking approach.

AERIAL SOLUTIONS

Aerial capabilities continue to expand all sectors of energy – oil and gas; solar; wind; nuclear; and power transmission and generation. Additionally, aerial capabilities are a great solution in a number of industries including, but not limited to, cellular; rail; construction and planning; survey and mapping; and a variety of inspections, including bridges and roofs.

At Back Roads, we understand that every project is unique and that there is no "one-size-fits-all" solution to meet project requirements and objectives. With this in mind, Back Roads is committed to providing a broad range of the latest and most sophisticated technologies and strategies to our clients. With top of the line equipment and processing capabilities, we are continuously investing in solutions to ensure that our clients' needs are not only met, but exceeded.

With an understanding of the available technology, we are proud to offer a variety of payload options to our clients, including aerial thermal imaging cameras; gas detection; forward looking infrared (FLIR); Light Detection and Ranging (LiDAR) sensors; and optical zoom and ultra-high definition cameras.

Through our network of strategic partners, Back Roads can leverage a full complement of data acquisition platforms including manned and unmanned aircraft (fixed-wing and rotary).

MANNED AIRCRAFT

In keeping with our philosophy to offer the best technologies to meet the unique requirements of a project, Back Roads offers the expertise and breadth of capabilities to custom-tailor the best solution to meet and exceed your expectations while protecting your bottom line.

For example, there are times when manned aircraft is the best and most cost-effective choice for data acquisition. Advantages such as speed of travel, collection altitudes and longer operating times, combined with technology including large format digital mapping cameras and powerful lidar sensors, allow manned aircraft to provide a more cost-effective solution than UAVs.

Helicopter flights can also be a viable option for our clients, depending on the linear length of your project. With the ability to fly at lower speeds and altitudes, helicopters are able to gather much of the same data with similar sensors as UAVs.

UNMANNED AERIAL VEHICLES (UAVs)

Unmanned aerial vehicles (UAVs) are increasingly improving the accuracy of collected data. With the ability to provide detailed information quickly, managers can use the data to make more informed decisions efficiently.

UAVs are able to provide thorough inspections with the ability to gather information in hard-to-reach locations such as pipeline and power line rights-of-way. With a variety of cameras and sensors, imagery and video collected from a UAV are able to detect leaks, provide locations of slips or exposures, as well as provide insight into the vegetative growth of new projects without the impact of doing so with a UTV or boots on the ground impacting what was just reclaimed.

By limiting traditional climbing inspectors for wind turbines, cell towers, bridges and electric line structures, UAVs can provide a safer, oftentimes more detailed inspection option while reducing the risk of falls or exposure to high-risk situations. UAVs also reduce the risks of unknown or unsafe environments, providing valuable reconnaissance to your team as to what may await them.

In the construction industry, UAVs are able to provide guidance when scouting a new location for a real estate development, or provide guidance when figuring out the quantity of earth needed to move when bidding a project. UAVs can also prepare up-to-date progress reports, showing real-time developments.

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