

Remotely Piloted Inspection Services

DRONE INSPECTION SOLUTIONS



A HIGHER LEVEL
OF RELIABILITY®



Remotely Piloted Aircraft System (RPAS)

Our RPAS, commonly referred to as “drones”, is comprised of pilots and system operators with extensive experience, deploys equipment designed from industry leaders, and utilizes software that will accelerate inspection analysis; yielding results of unparalleled quality and value.

Acuren’s RPAS program was built on 3 components of uncompromising excellence. Key elements include:

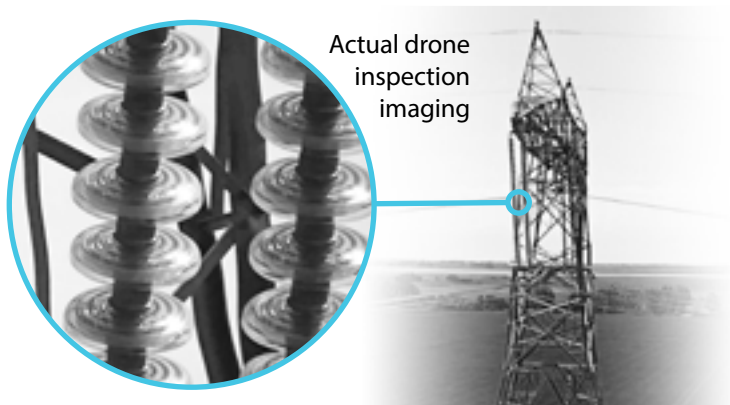
THE PILOT(S) & CREWMEMBERS

The excellence in experience, training, and skill of our RPAS crewmembers is extremely rare.

Acuren’s pilots and system operators come from specialized backgrounds, training, and experience. Their combined skills and experience include:

- Defense and aerospace
- Licensed and ticketed industrial inspectors and engineers
- Remotely operated fixed and rotary wing operations
- UAV instructor
- Projects ranging from local, state, and national levels including joint ventures with NASA and universities

Additionally, some of our pilots not only hold the required government and federal aviation licensing to commercially operate RPAVs, but are also manned aircraft pilots. Our safety mindset is not only ingrained in industrial health and safety, but encompasses a great appreciation of aviation safety as well.



REMOTELY PILOTED AERIAL VEHICLE (RPAV)

Because the drone gathers aerial intelligence for the user, it HAS to be paired with the RIGHT sensor/camera. Quality sensors equal accurate and quality data.

Acuren only operates the top rated industrial drones and sensors from industry leaders. **From centimeter level precision location to +/- 2 degree temperature accuracy, we can thoroughly and accurately inspect your site.**

OUR SOFTWARE

What good is all of the captured data if it cannot be understood? Our software translates gigabytes of data into a usable and readable format. It analyzes and compiles the data into 3D point cloud models. These maneuverable models provide context and location reference. Using this software, engineers and inspectors can locate, identify, and diagnose potential problems. Additionally, detailed condition reports, including inspector comments, annotations, and recommendations are provided by our licensed technicians.

Each of these system components must match in quality. Once we receive your inspection objectives, we will select the best option for each component to provide a system best suited to meet *your* objective: the best pilot, the best sensor, and the best software for you to make the best informed decisions.

APPLICATIONS / PROJECTS

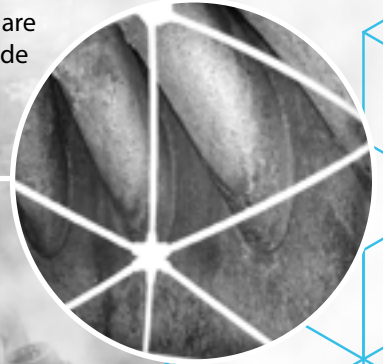
Because our drones are agile, increase safety, and are able to collect a wide range of data, there are a multitude of use cases that exceed traditional methods. For example:

- Provide the “first look” of any difficult or remote area to access and gain real-time situational awareness
- Infrared imagery to identify potential problems
- Assist prioritizing your repair and maintenance requirements
- Asset inspection without the need for shutdown
- Confined space inspection
- Assess severity of damage prior to using costly traditional methods
- We have both internal and external inspection capabilities

Our Special Flight Operations Certificate (SFOC) and FAA licensed pilots are a testament to the level of trust the governing aviation authorities (Transport Canada and the FAA) have that we will conduct all RPAS operations in a safe manner.

There are reasons our program outperforms the competition

Top of flare tip - inside



The collected data and images are examined and evaluated by licensed engineers and inspectors to generate the highest in reporting standards.



Acuren's RPAS operating procedures, checklists, and crewmember qualifications are the same regardless if conducting flight operations in Canada or the US. Although the regulating airspace authority (FAA or Transport Canada) and the workplace health and safety governing bodies (OSHA or Ministry of Labor) may have different regulatory requirements, our pilots, equipment, and procedures are designed to meet the more stringent regulations or requirements. This allows our RPAV pilots and equipment the agility and response times to operate throughout North America, giving our clients a consistent level of safety, quality and service.

Inspection first – Acuren has decades of inspection experience.

Pilot experience and knowledge – The excellence in our pool of pilots and crewmembers is unparalleled with pedigrees working with NASA, department of defense, licensed engineers and inspectors, manned aircraft pilots, and more.

Outperform requirements – Acuren transcends stringent regulatory and insurance requirements. Our procedures meet or exceed all FAA or Transport Canada requirements allowing us to service all of North America.

Granted special permit – In addition to US FAA licensed pilots, Acuren has been granted a SFOC (Special Flight Operations Certificate) for Canadian operations. These licenses and permits are only granted to individuals and organizations that have demonstrated the highest level of operating procedures, risk mitigation, and safety.

Product quality – We only operate the top rated industrial drones and sensors from industry leaders. This provides a strong foundation of support for equipment and software updates and repairs. Ensuring our industrial application is within tolerance of the manufactures specifications.

Data and reporting excellence – Our inspection software automatically organizes and analyzes the data to compile and provide viewable 3D "point cloud" models. These models provide context and location.

Data interpretation – Our engineers and inspectors provide detailed reports including, inspector comments, annotations, and recommendations, with the ability to analyze the data and share findings through Acuren's robust internal network, 24/7.

BEYOND INSPECTION



VIEW OUR BROCHURES



CONTACT OUR RPAS EXPERTS TODAY

1-800-218-7450



www.acuren.com
info@acuren.com