



REMOTE MONITORING AND INSPECTION OF NATURAL GAS INFRASTRUCTURE



QGC REGULARLY INSPECT ITS NATURAL GAS INFRASTRUCTURE INCLUDING WELLS, PIPELINES AND PROCESSING FACILITIES TO MAKE SURE IT IS OPERATING SAFELY AND EFFICIENTLY.

Remotely piloted aircraft systems (RPAS) are being used to inspect and monitor our infrastructure. Traditionally, inspections have been carried out on the ground by our operations staff, or in the air by piloted aircraft. The use of RPAS has reduced the need to access private properties by foot or vehicle to view infrastructure; significantly reducing our road traffic, and improving our safety and efficiency. RPAS inspections will be progressively phased in across our operational areas.

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RPAS FAST FACTS:

- 3 metre wingspan
- weigh approximately 20 kilograms
- reach heights of between 1,500-2,000 feet
- looks like a bird from the ground
- approved by the Civil Aviation Safety Authority
- flown by commercially qualified pilots
- make very little noise, and is only just audible from the ground when flying at 1,500 feet and above.



HOW DO RPAS UNDERTAKE INSPECTIONS?

Operating mostly during daylight hours, the RPAS is launched, and operated, from QGC property.

Cameras automatically activate when the aircraft reaches QGC infrastructure, with still images and video of wells, pipelines and processing facilities being collected. The data is processed and analysed in real-time, with actionable information delivered to staff in field and in Brisbane.

Physical well site inspections will still be required from time to time.

WILL YOU FLY OVER MY HOME?

The flight paths for RPAS are designed to take the shortest route between gas infrastructure, while avoiding private homes.

WHO CONTROLS THE AIRCRAFT?

The aircraft are owned and operated by Insitu Pacific a subsidiary of Boeing Group, a world leader in the field.

Commercially qualified pilots control the aircraft from a mobile ground control station on QGC property.

LANDHOLDERS WILL BE NOTIFIED BEFORE AN AERIAL INSPECTION.

HOW IS MY PRIVACY PROTECTED?

Image collection and storage is managed in accordance with strict privacy controls and policies, under the *Privacy Act 1988*.

Images will only contain QGC infrastructure, and will be edited to remove any private property, including homes.

SAFETY

All aerial inspections comply with strict air safety regulations set by the Civil Aviation Safety Authority (CASA).

Before take-off, the flight path and schedule is filed through a Notice to Airman (NOTAM), to alert other aircraft users of the flight route.

Additional safety mechanisms include a system which detects other aircraft within the area, enabling ground controllers to avoid other aircraft.

The RPAS system has a proven track record, having been used around the world for more than 10 years.

CONTACT DETAILS

Please contact your Land Access Advisor or a member of the community engagement team for more information.

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