



# Aerial Building Inspection Services

*"Reduce risk with a more  
productive, timely and cost  
effective aerial inspection  
service"*

# Building Inspection Services

# About Us

Altitude Imaging has been providing a comprehensive commercial drone inspection service since 2012. Altitude Imaging is fully certified and insured, the company holds CASA ReOC 0669 and all pilots hold CASA Remote Pilots Licenses.

Houspect has been providing building inspection services for over 30 years. With a team of WA registered builders, Houspect conducts inspections and provides comprehensive reports in accordance with Australian Standard 4349.

Altitude Imaging and Houspect have partnered to utilise the best drone technology available to undertake a cost effective building inspection services where access using traditional methods are either unsafe, impractical or not cost effective.

## Building Inspection Services

Inspecting roofs, facades and plant on multi story and high roofed commercial and residential properties often requires personnel to be exposed to working at height risks.

While some properties have purpose built access hatches and gantries to facilitate roof and plant inspections, some properties do not provide safe and secure access. Compliance with OH&S regulations will often require multiple parties on site, involving equipment including man riding cranes, elevated work platforms, scaffolding, or cherry pickers. In some situations, traffic and pedestrian management plans are required to be approved by the local council/shire. All adding to the complexity and cost of the inspection.

Altitude Imaging and Houspect eliminate the need for personnel to be exposed to working at heights risks by undertaking visual inspections using the latest drone technology. Detailed images of the structure being inspected are captured from multiple angles enabling assessment by our WA Registered Builders who incorporate the images into Australian Standard Compliant Building Inspection report. Costings can also be provided and the core data can then be integrated into a detailed maintenance or capital expenditure plan.

*"Ideal for roof inspections, defect inspections including structural and water ingress, plant inspections and capital maintenance planning."*

## The Quality Differential

The commercial drones used by Houspect and Altitude Imaging are not toys. The remote pilots are fully licenced by the Civil Aviation Safety Authority and trained to fly in residential, commercial and industrial areas in close proximity to other buildings. The two man operational crew's work in tandem to ensure the aircraft is positioned correctly so optimal photographs, using a 42 megapixel camera, are taken.

The detail is incredible – pin hole rust points can be identified in gutters!

Obtaining inspection images of a high risk area on a building is important. Connecting the images with an independent expert report, prepared in accordance with Australian Standard 4349, by a WA Registered Builder is where the value is created. You can obtain a detailed building inspection report on a property which can be relied on as professional independent evidence if required.

*"Using professional equipment, operated by highly skilled and experienced pilots, we provide safe, efficient and cost effective inspection solutions."*

# Applications



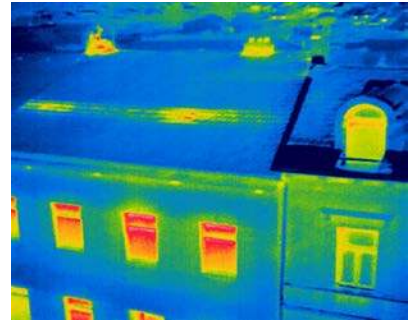
## High Rise Roofs

- Roof condition.
- Gutters and valleys.
- Debris.
- Roof penetrations.
- Roof fastenings.
- Water ingress issues.
- New construction inspection.



## Multi Storey Buildings

- Pre purchase due diligence
- Pre/Post lease property condition inspections.
- Dilapidation Reports.
- Construction progress.
- Structural inspections.
- Plant inspections e.g. air conditioning, solar power.
- Capital maintenance or expenditure planning.



## Thermal Imaging

- Moisture ingress.
- Building envelope heat and cooling loss.

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## Features and Benefits

- ✓ Completely eliminate man riding crane/platform, scaffolding, cherry picker and rigging issues to quickly access your tall structures.
- ✓ Generally no need for traffic management plans and approvals.
- ✓ Simplified OH&S compliance requirements.
- ✓ We regularly inspect above, beside, underneath and inside assets, structures and buildings.
- ✓ Our equipment options allow us to deploy upward or downward looking sensors with up to 42 megapixel resolution.
- ✓ If required, geospatial location information can be obtained such that at a future date the drone can be positioned in exactly the same location for repeat photographs showing change over time.
- ✓ Privacy management procedures and plans for occupied buildings.
- ✓ Flexibility to adapt and operate in a fast moving site environment.
- ✓ Perfect for operations in remote and inaccessible areas.
- ✓ We can generally undertake inspections without disrupting site operations.
- ✓ Our Thermal Imaging Services capture 640 resolution radiometric inspection data.
- ✓ Can be combined with our Tethered Drone Service to provide unlimited flight time.

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# Versatile Inspection Drones



- We operate professional inspection drones.
- GPS, PPK and RTK positioning options on all drones.
- Our inspection drones carry cameras on fully stabilized precision gimbals in three configurations: -
  - Single downward camera
  - Single upward camera
  - Dual downward cameras
- Our professional standard camera options include: -
  - 20.8 to 42MP Still and 4k Video Cameras
  - Multiple lens options including Zoom
  - 640 resolution FLIR radiometric Thermal Camera
- Live, constant and interactive control of all cameras.
- Constant live video stream to ground monitors.
- Custom payloads including laser measurement systems.
- Unlimited flight duration options with our Tethered Drone Services.

*"Altitude Imaging has been providing professional aerial drone services since 2012. We are Certified, Accredited and Approved to national and international standards."*

## Want To Know More



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