



Our drones go where no man should.

UAV Industrial Inspections

in the Oil & Gas, Maritime and Infrastructure Sector



About Us



Performance Rotors Pte Ltd provides robotic drones & software platforms for digital inspections in both external & internal confined space applications.

We provide comprehensive programs to assist our clients and partners to digitize their assets and provide turnkey services for their inspection needs to reduce risk, downtime and cost.



Drone Technology Limitations



- ❖ Reliant on GPS signals which may be blocked, multi-pathed (reflected); causing positioning error
- ❖ Susceptible to radio magnetic interference, e.g., strong Wi-fi signals, power transformers.
- ❖ Magnetic compass deviation caused by nearby metallic structures
- ❖ Vision Positioning Sensors do not function in darkness
- ❖ Too big physically for confined space applications

We **Excel** in both External & Confined Space Robotic Inspections

Status Quo of Inspections:

Hazardous



Long down-time



Costly



With **Performance Rotors**:



Our inspection solutions reduces all these by up to

↓ 80%

Our Drone Applications across Industries



Oil & Gas Plants



Oil & Gas Terminals



Maritime



Infrastructure



Plantations (under Canopy)

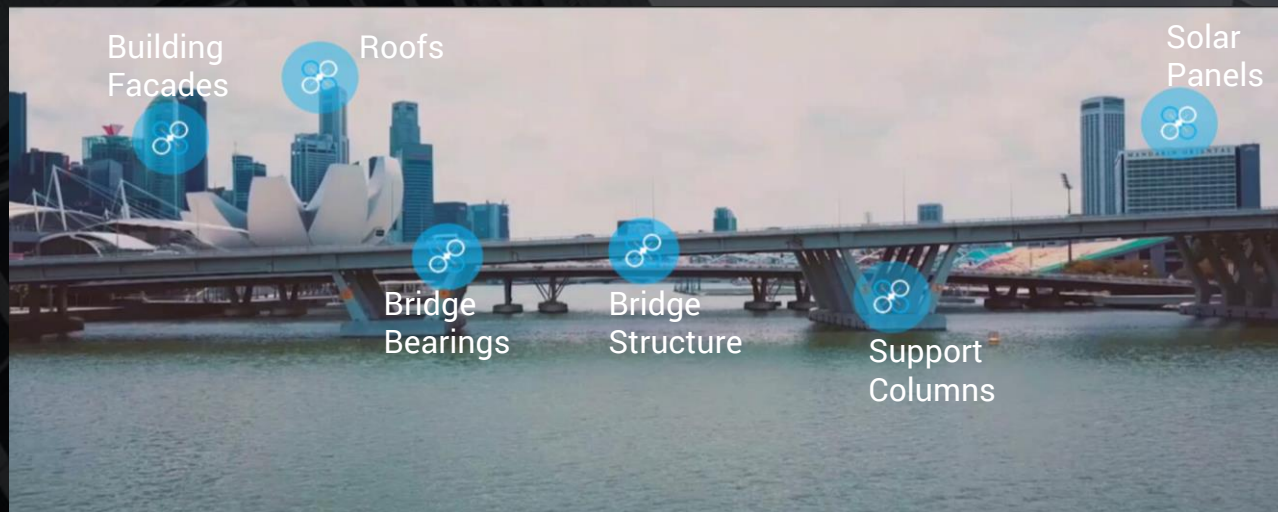


Security

Our Infrastructure Inspections

Drone Infrastructure Inspection METHODS of Unparalleled Performance. No more high-risk inspections via scaffoldings, rope-access or gondolas, as drone inspections have proven to significantly reduce inspection times, human-risks and costs. Seamless drone inspections even in areas of high building density, strong wireless interference and GPS-denied locations.

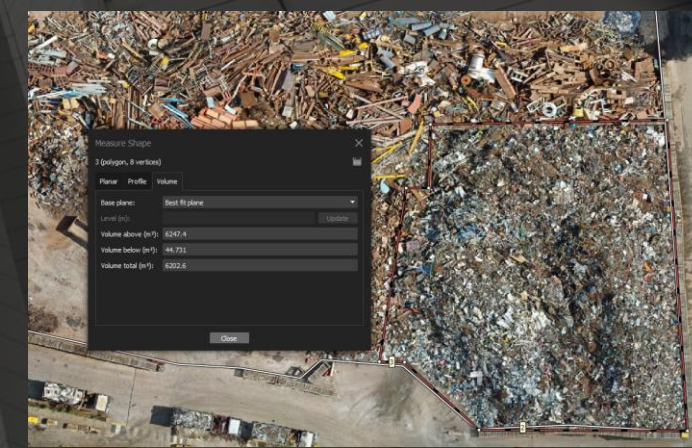
Inspections



3D Modelling

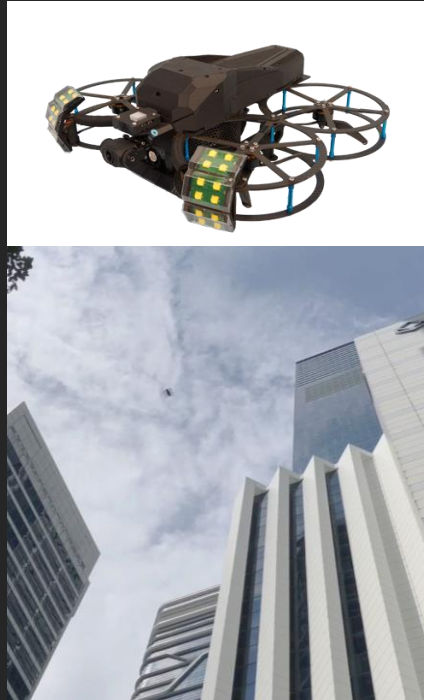


Volumetric Calculations



Our Infrastructure Inspection Services

Our experienced flight operators are trained and equipped with a comprehensive selection of drones capable of acquiring close-proximity inspection data.



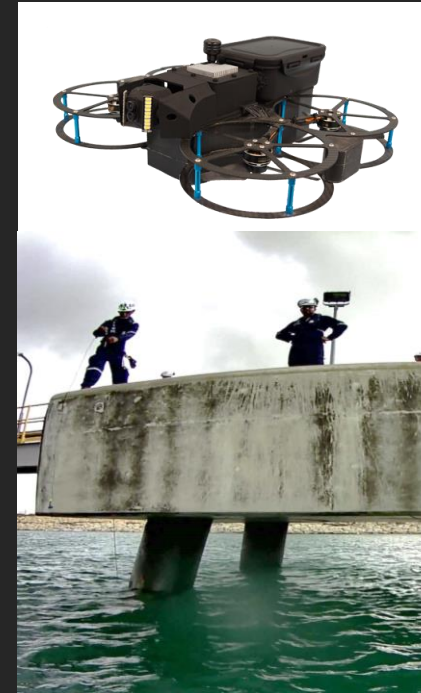
RAVEN-VIO

Building Façade
Inspection
(GPS-denied)



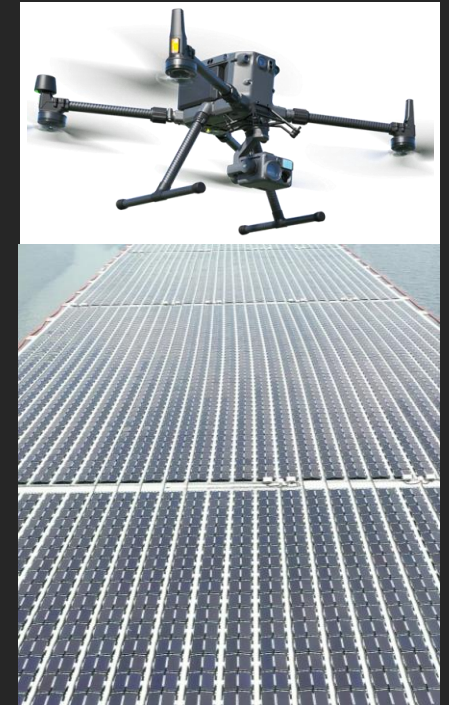
SPARROW-VI

Bridge Bearing
Inspection
(GPS-denied)



KINGFISHER

Above Water
Structure
Inspection



DJI M300

Solar Panel, Roofs,
& Power Lines
Inspection

Façade & Infrastructure Inspections

We have more than 1,000 flight hours in Façade Inspections and an arsenal of latest drones & equipment for long range flight, thermal imaging, optical zoom, 3D modelling and tethered power for restricted air space flight.



click link to play video



Actual VIDEO Footage

Infrastructure



Click link to play video

3D Building



Click link to play video

Building Facade



Click link to play video

Bridge Bearing



Click link to play video

Key Clients & Partners

Oil & Gas



Infrastructure



Maritime





Our drones go where no man should.

Thank you

Singapore's Leading NDT Drone Inspection Provider



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