



safma

Conference & Exhibition
21-22 August 2018

Dean Polley

**Using Drones in Facilities
Management**

Building Façade Inspection

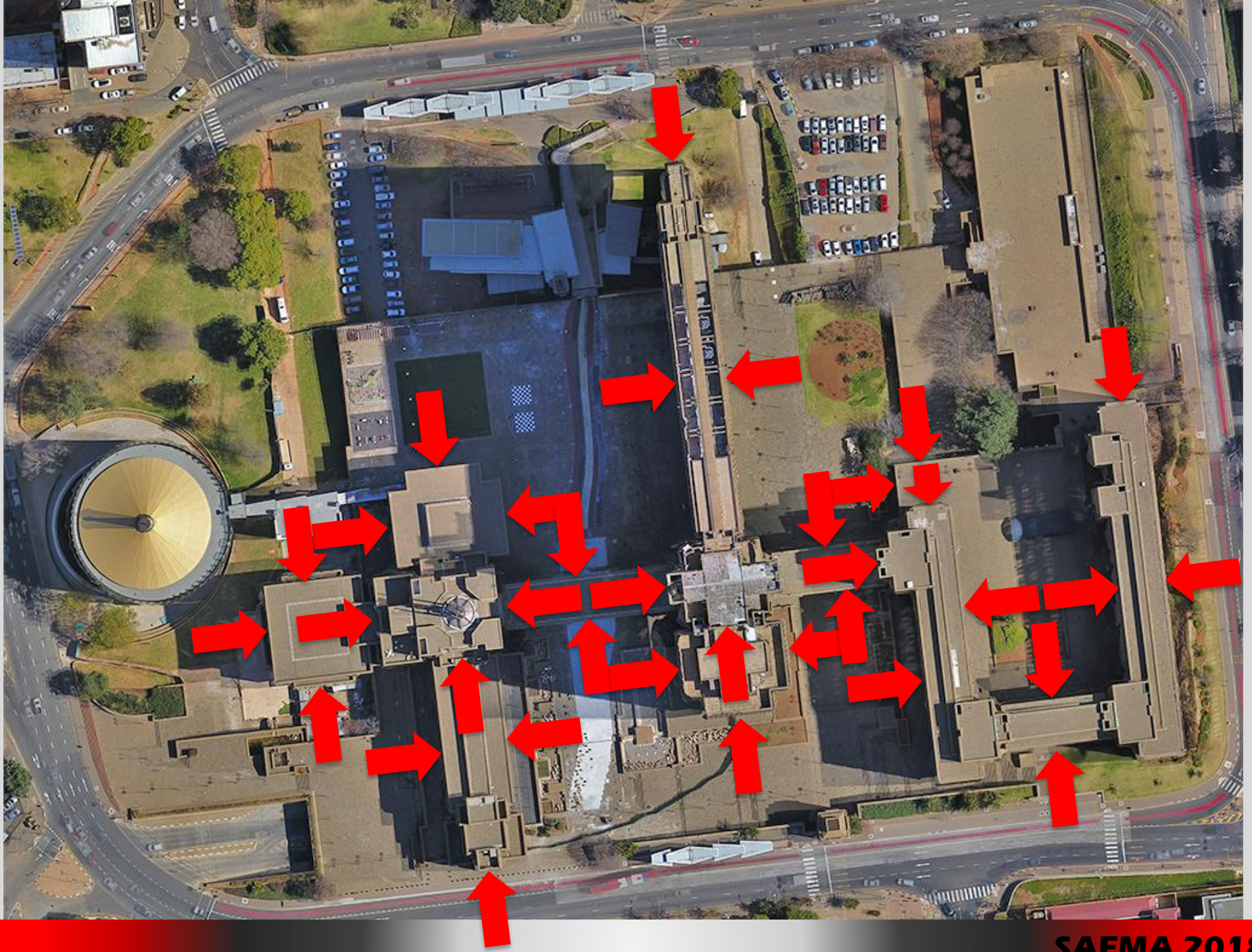


Building Façade Inspection

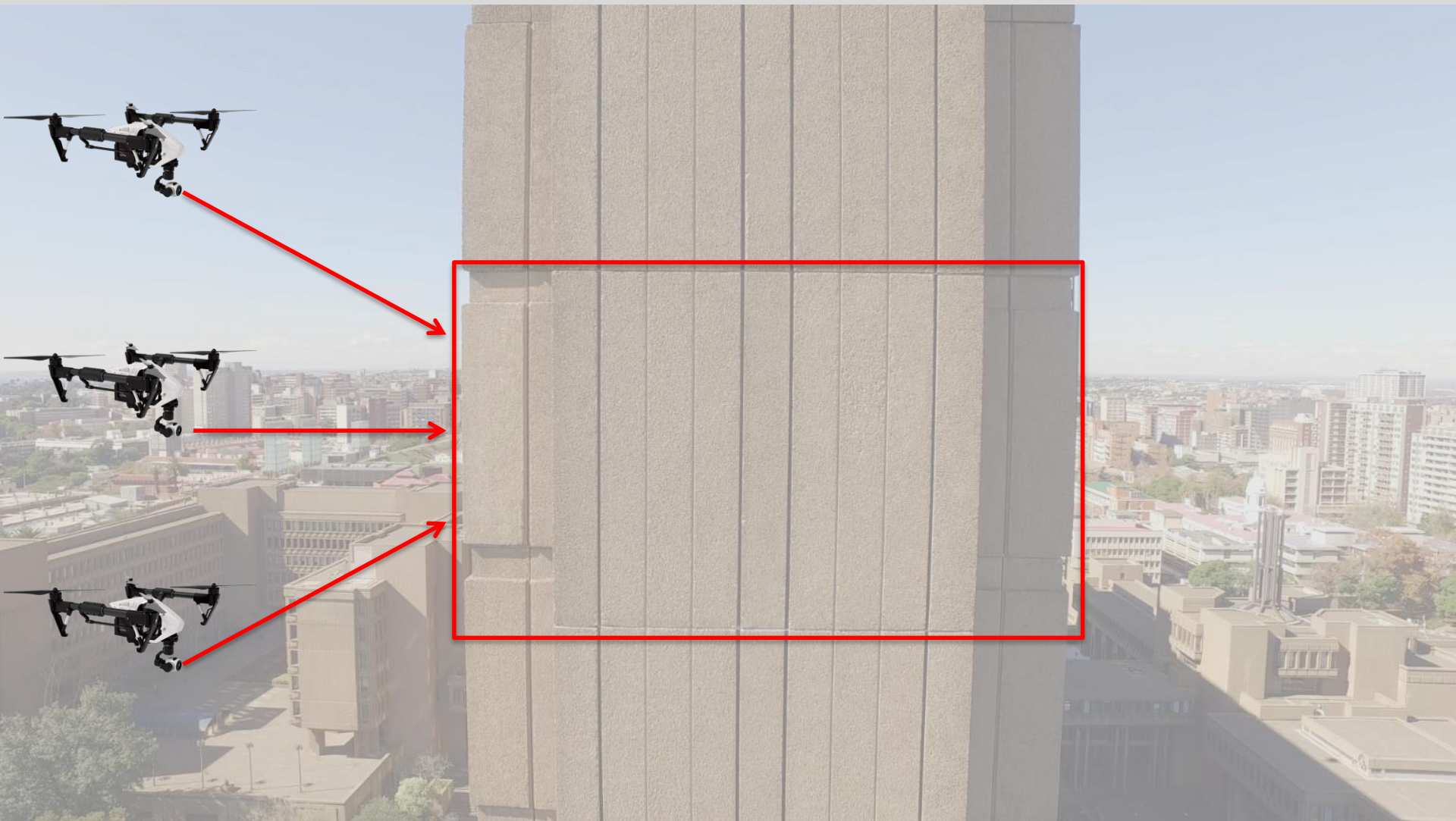


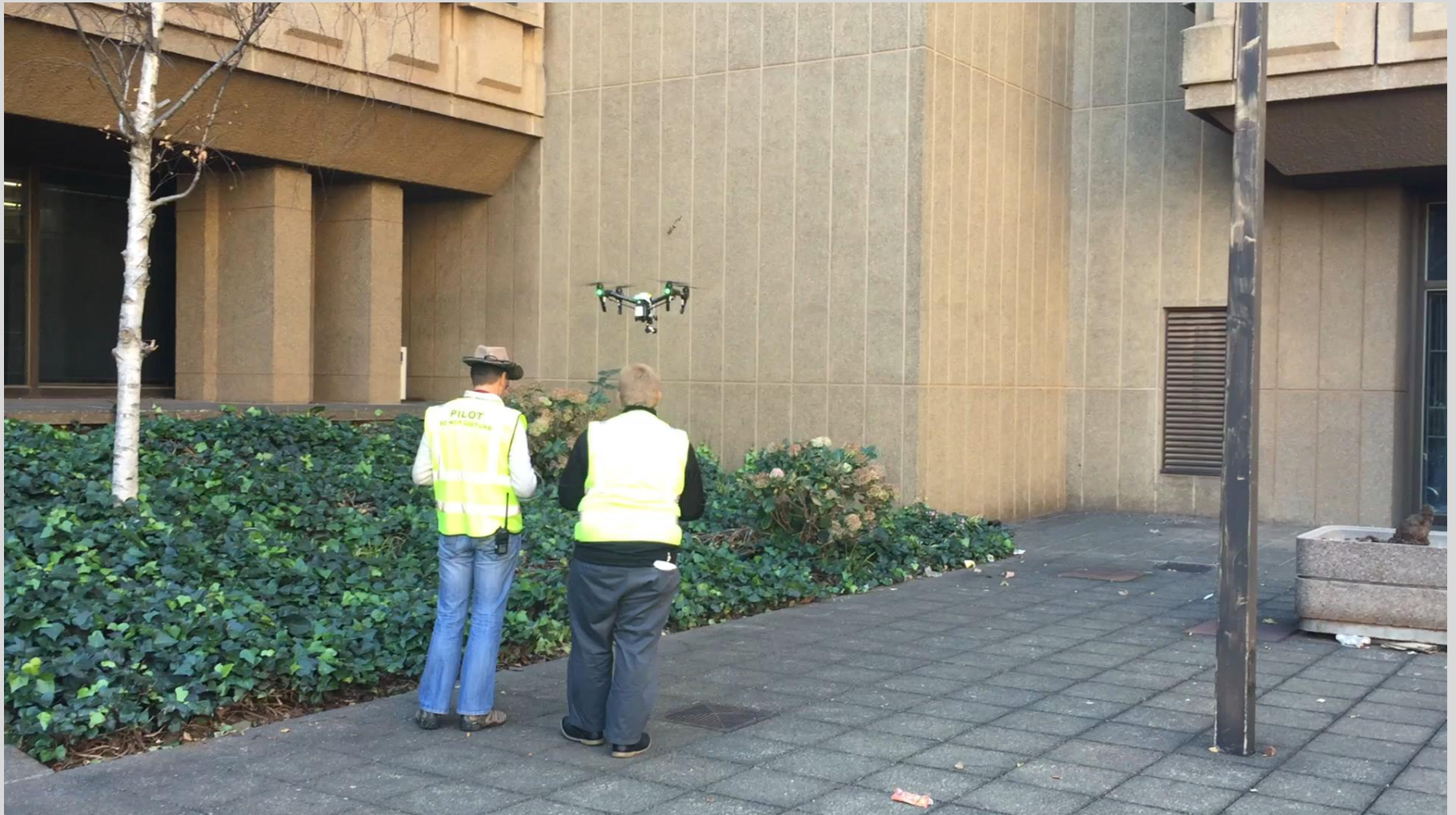
Building Façade Inspection

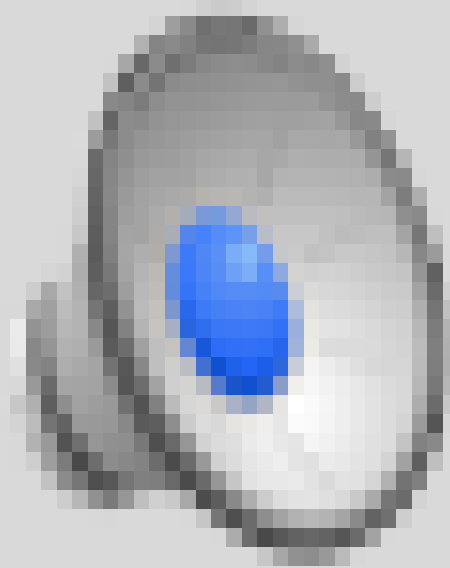




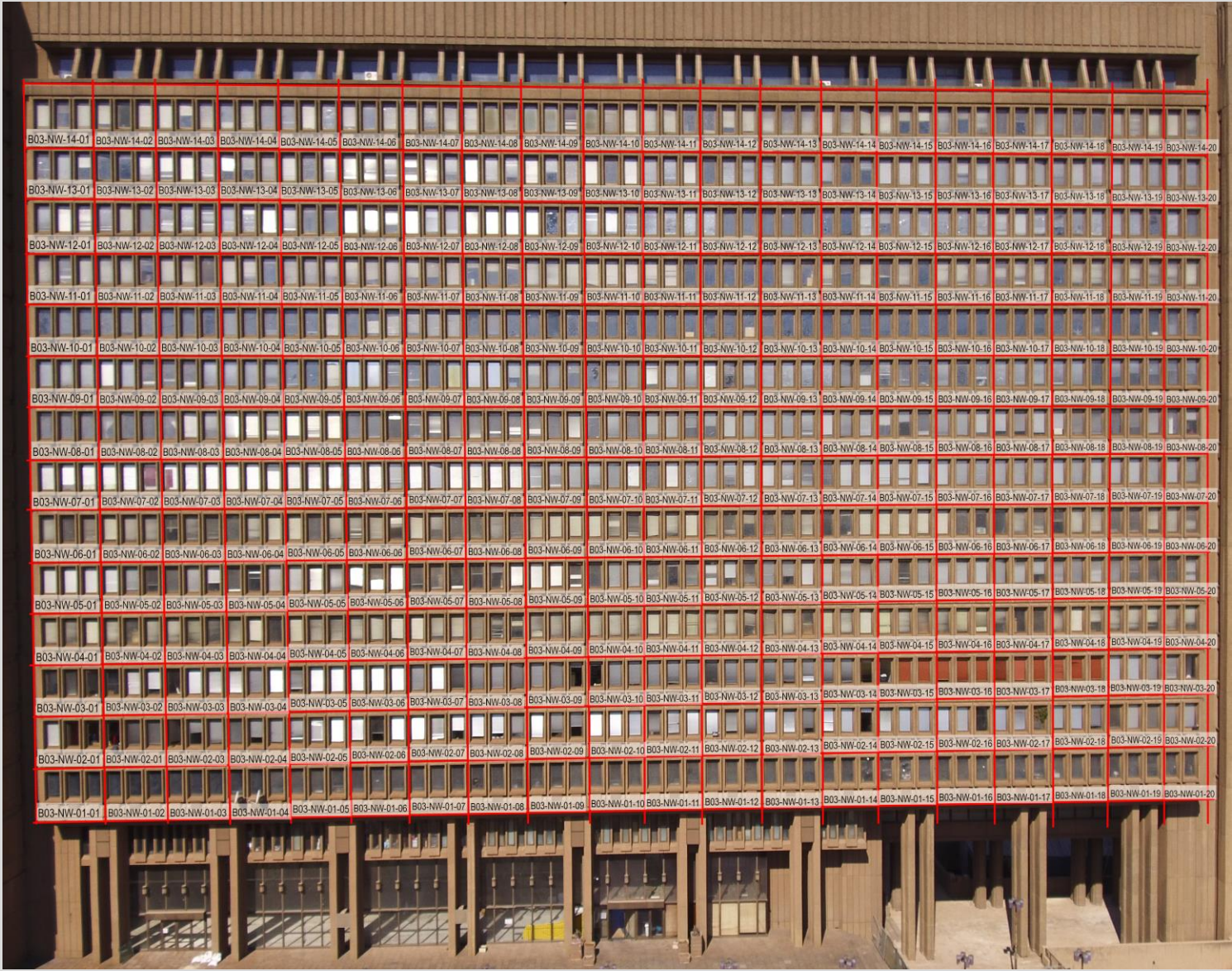
Building Façade Inspection







Building Façade Inspection









Total files generated (Video and Images): **9,862**

Total data size: **114 Gb**

Flying time (data capture): **4 days**

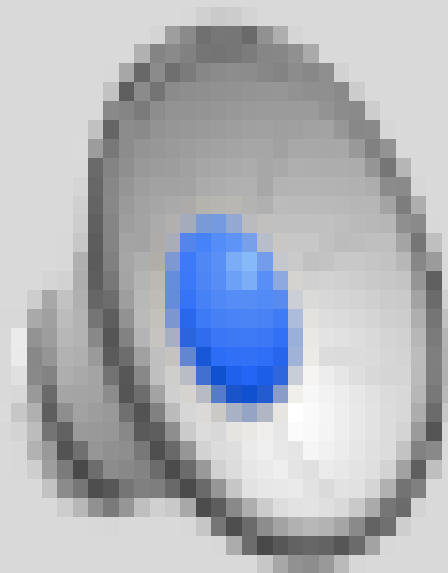
Data processing: **2 weeks**



Ultra High Zoom Camera



Thermal Camera





Phase 1

- One of the largest Grid-Tied solar PV Roof Top installations in South Africa
- 653kWp
- Over 2,700 PV panels

Phase 2

- The largest Micro-Inverter Roof Top installations in South Africa
- 135kWp
- 540 solar panels and Micro-Inverters

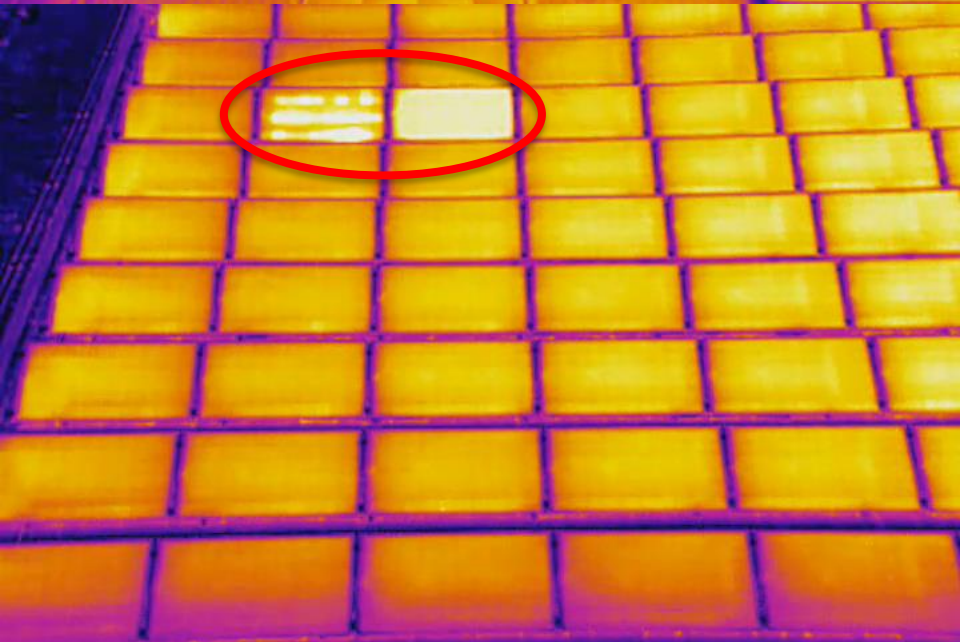
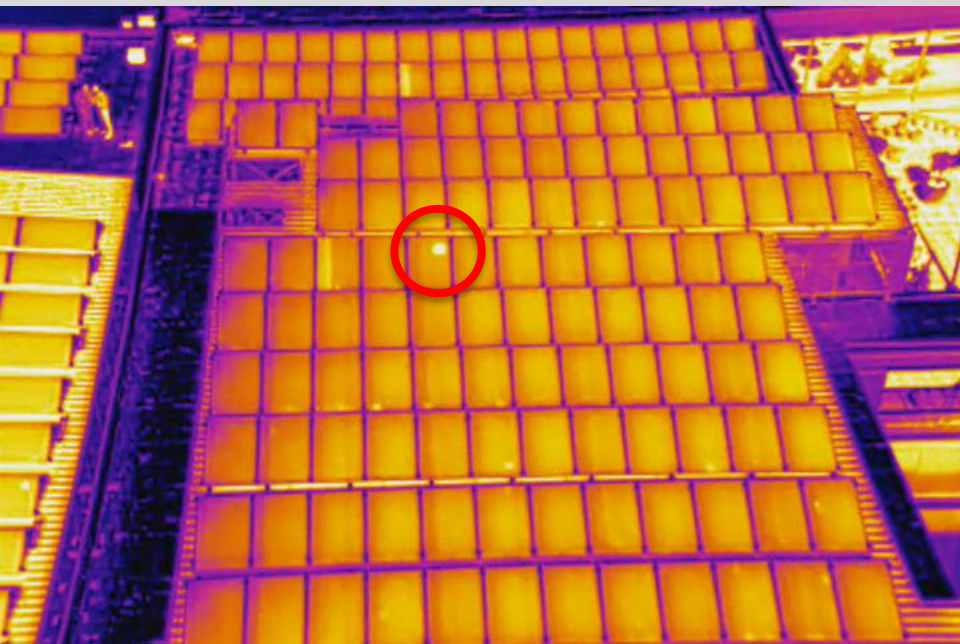
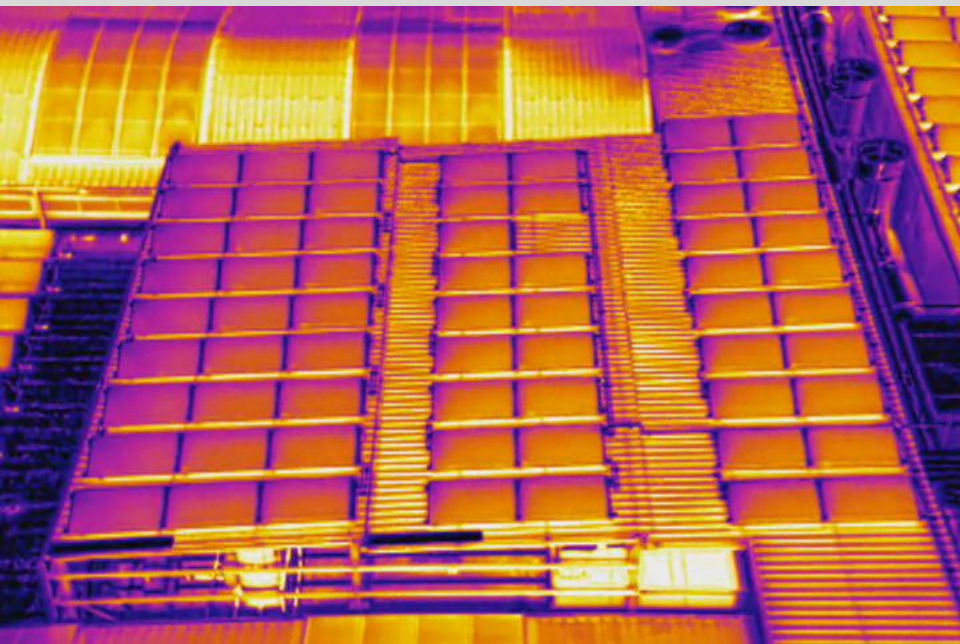
Total of 788kWp

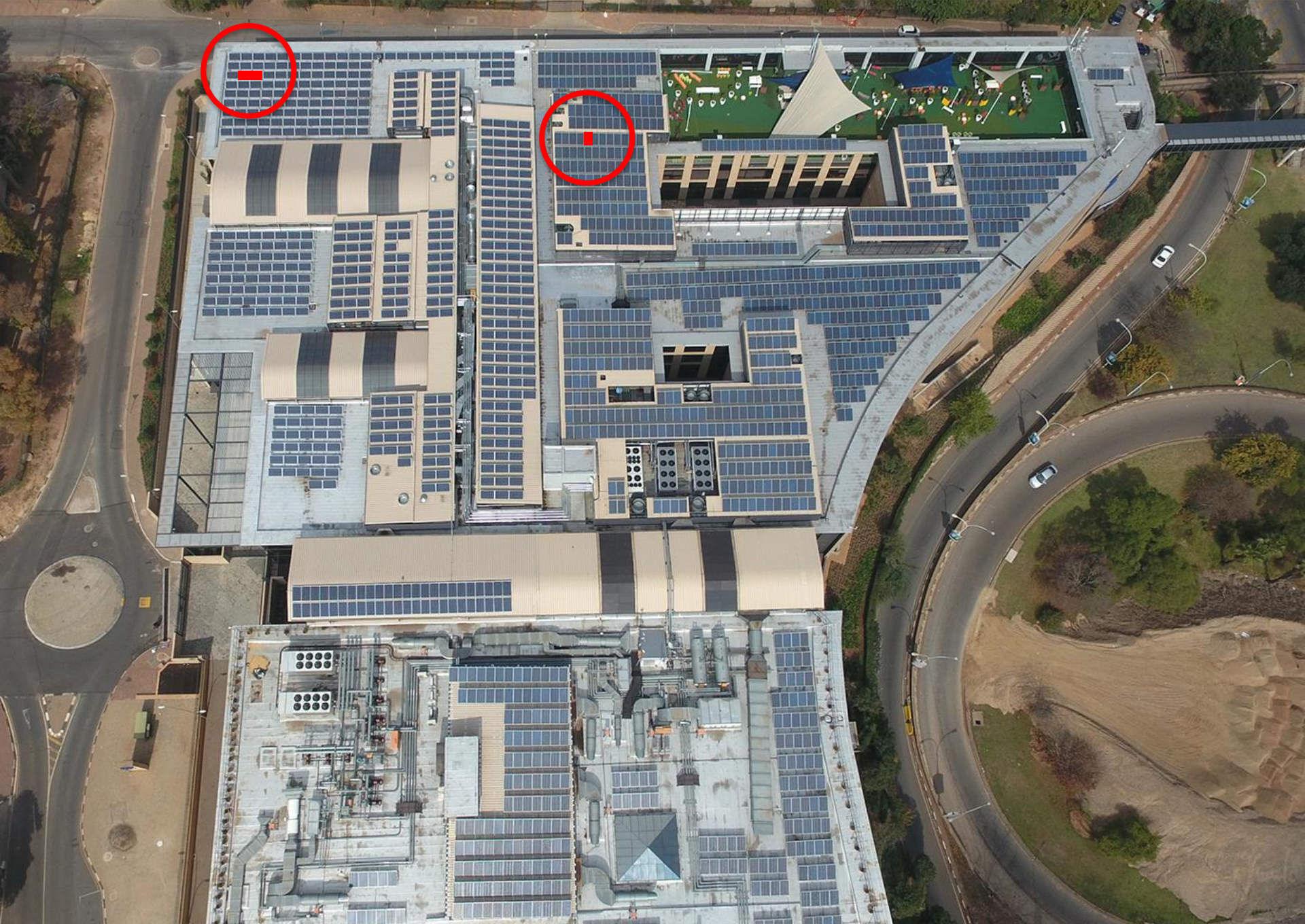
Over 1,000,000 kWp of generated per annum



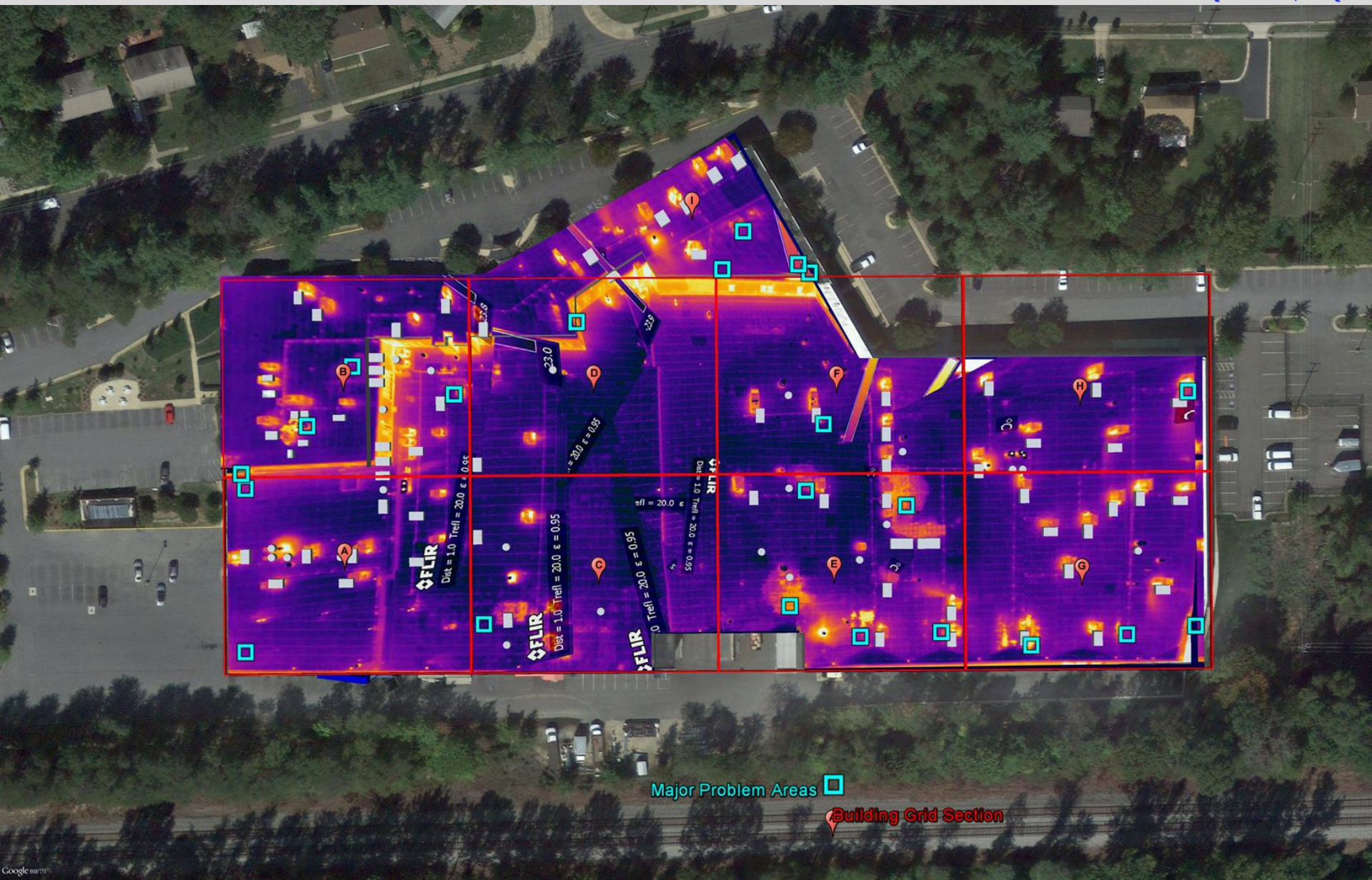
Roof Top Solar Panel Inspections







Roof Top Moisture Detection



Part 101 of the Civil Aviation Act (1 July 2015)

Regulates the use of drones in South African airspace

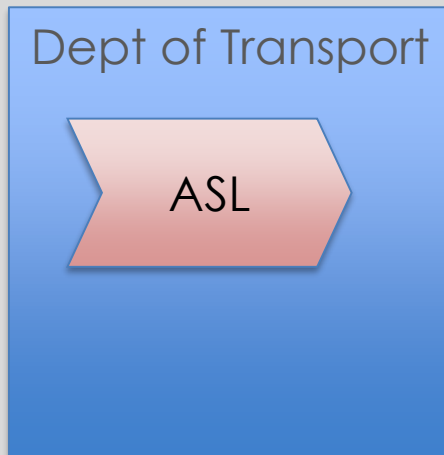
- Subpart 1 – General Provisions
- Subpart 2 – Approval and Registration
- Subpart 3 – Personnel Licensing
- Subpart 4 – RPAS Operating Certificate
- Subpart 5 – RPA Operations
- Subpart 6 - Maintenance

Subpart 1 – General Provisions

- Commercial Operations
- Corporate Operations
- Non-profit Operations
- Private Operations

- Commercial Operations

- Commercial Operations
- Corporate Operations
- Non-profit Operations



COMMERCIAL AVIATION
ASSOCIATION OF SOUTHERN AFRICA



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THE HELICOPTER
ASSOCIATION OF SOUTHERN
AFRICA



ASSOCIATION OF NON-SCHEDULED
OPERATORS

ASSOCIATION OF AVIATION
DESIGN ORGANISATIONS



COMMERCIAL UNMANNED AIRCRAFT
ASSOCIATION OF SOUTHERN AFRICA

- CUAASA is an affiliate of the Commercial Aviation Association of Southern Africa
- CUAASA is also a member of UVS International



www.cuaasa.org

Thank You



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