INFRARED HAS UNIQUE PROPERTIES THAT MEAN YOU CAN SEE ACTIVITY INSIDE BUILDINGS

Optical and Radar see only the outside of structures

Optical cannot see at night or detect heat emissions

Current commercial IR satellites are >100m resolution, with limited applications

Satellite Vu opens the box and to “see” what’s happening inside
SATELLITE VU WILL LAUNCH THE FIRST CONSTELLATION CAPABLE OF MONITORING HEAT EMISSIONS FROM ANY BUILDING ON EARTH EVERY FEW HOURS

High resolution: 3.5m
High revisits: up to 20 times / day
HIGH RESOLUTION THERMAL IMAGERY & VIDEO, GLOBAL COVERAGE, UP TO 20 REVISITS PER DAY

Unique Infrared Satellite Constellation

**Specification**
- 3.5m resolution image
- 16km² scene
- Mid-infrared 3.4 - 5.0 um
- < 2 Kelvin sensitivity
- Infrared video (1,500 frames, 60 seconds)

**Constellation**
- First satellite launch October 2022
- 7 total in constellation
- Global coverage
- Agile camera
- 10 – 20 revisits per day
- Fully tasked
CURRENT ACTIVITY: FLIGHT TRIALS & PROOF - OF - CONCEPTS

IR imagery from aircraft flight surveys, using engineering model of satellite camera. Resolution degraded to represent imagery from space.

- Process and Storage Insights
- Power Station Insights
- Building Level Thermal Outputs
- Bulk Ore Carrier Ready to Depart
MORE IMAGES

Sensor imagery from flight surveys

Industrial Process Insights

Power Station Insights

Ports

Pollution events
TIMELINE

2023
Launch further 6 Satellites

October 2022
Launch 1st Satellite

2021 ongoing
Aerial flight surveys & customer PoCs

2021 ongoing
Satellite in build
Delivery platform development
**Summary**

- High-resolution thermal imagery & video detects what’s going inside buildings & infrastructure
- Global coverage, up to 20 revisits per day
- 1st satellite launch October 2022
- Currently undertaking aerial flight surveys – working with customers & partners on proof-of-concepts, e.g. ground features / buildings / structures of interest, areas of interest