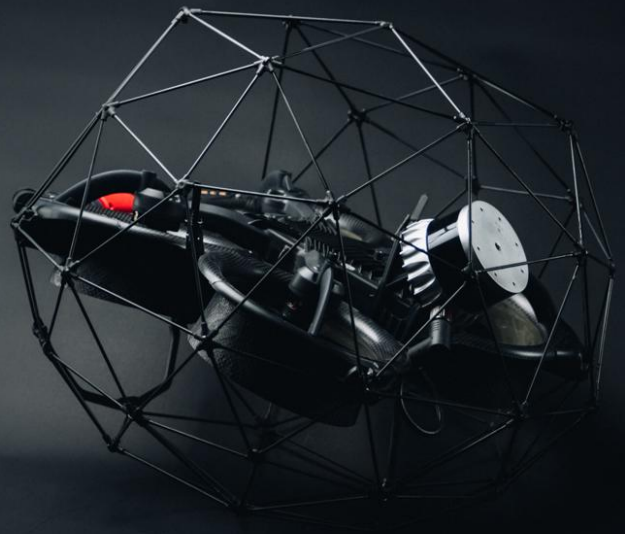
UNLEASH

FLYABILITY

SAFE DRONES FOR INACCESSIBLE PLACES

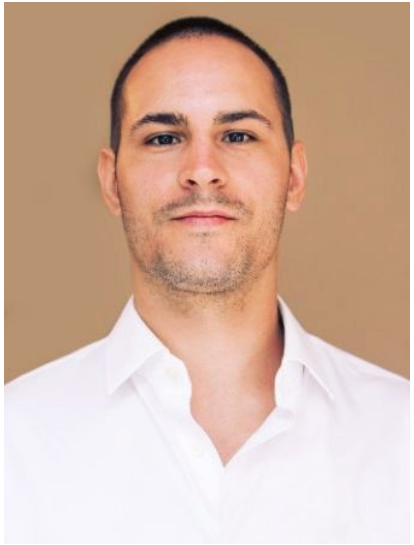


Remote Drone Inspections: How to Do an Inspection with a Drone in the U.S. While Standing in Europe

Thursday, July 28 2022

12:00 PM - 1:00 PM EST

MODERATOR



Zacc Dukowitz

Senior Communications Manager

—Flyability—

PANELISTS

Kihan Garcia

Chief Pilot and UAV Officer

—Unleash live—

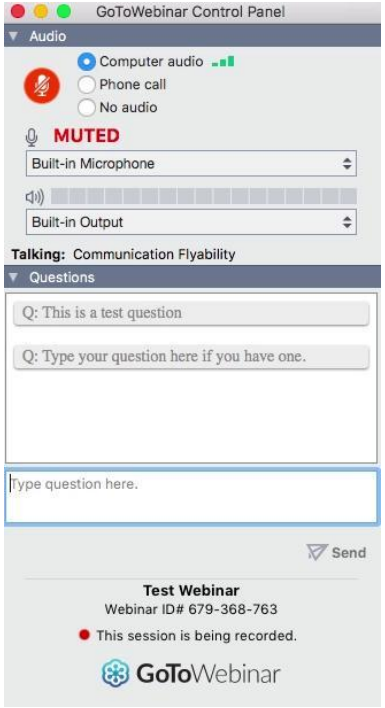
Eric English

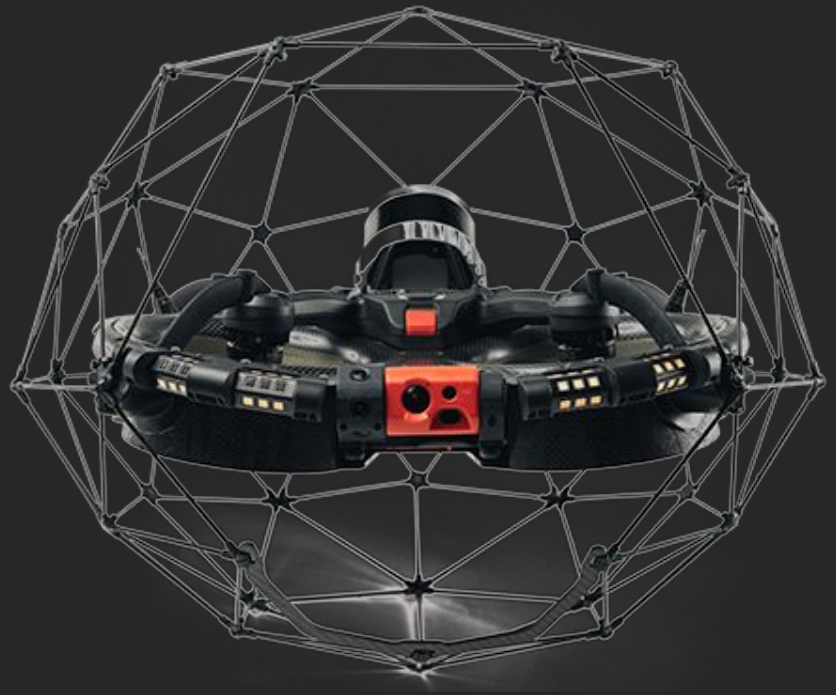
Drone Operations Manager NA

—Flyability—

WEBINAR ENGAGEMENT

Ask questions during the webinar.





REPLAY

The recording of this webinar will be sent to you afterward.

AGENDA

1 Introduction—5 minutes

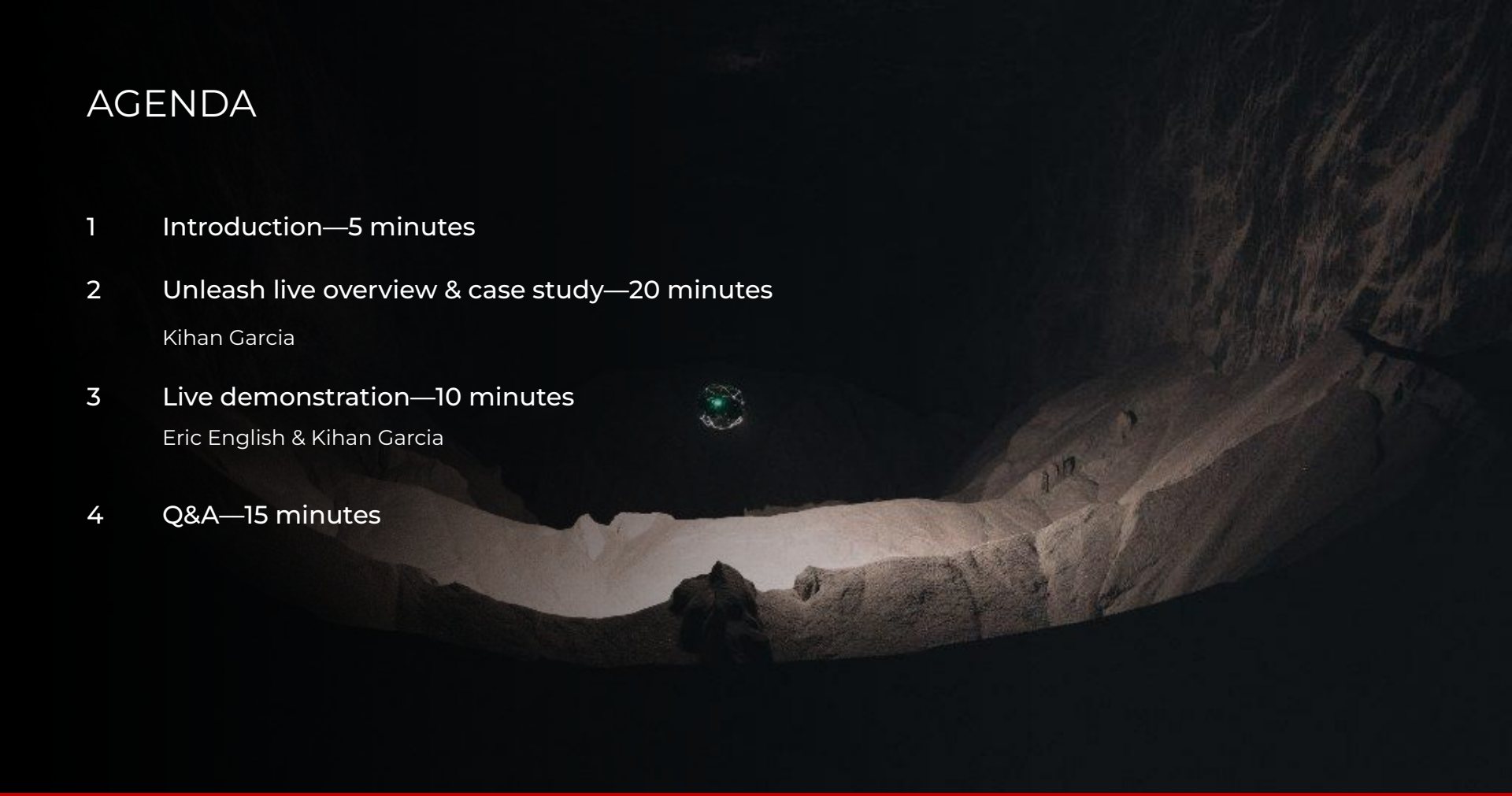
2 Unleash live overview & case study—20 minutes

Kihan Garcia

3 Live demonstration—10 minutes

Eric English & Kihan Garcia

4 Q&A—15 minutes



Unleash live Overview & Case Study

Kihan Garcia
Chief Pilot and UAV Officer

UNLEASH live

UNLEASH

Measure reality with visual data

A software platform built to enable fast automated insights from virtually any connected camera.

About Unleash live

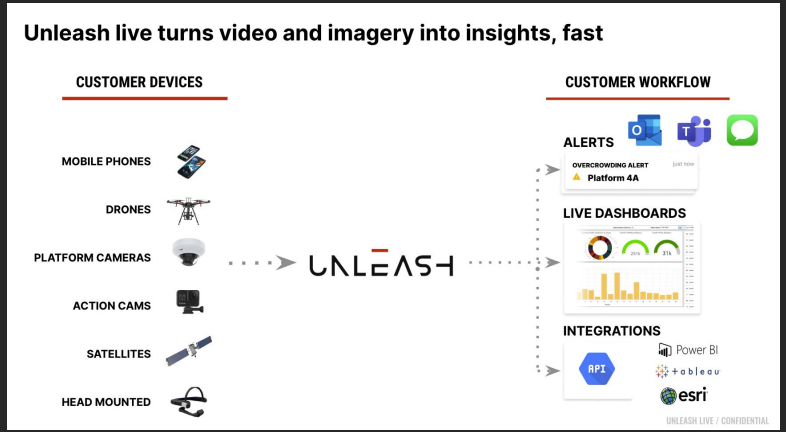
A world class **video analytics platform** built to service the growing adoption of visual capture devices used in enterprise, public safety and government.

Unleash live enables the development and deployment of independent Computer Vision A.I. Apps for:

- Productivity gains
- Cost improvements
- Increased safety

Repeatable inspections resulting in structured data for faster and more insights.

Successfully connected and navigated drones in real-time via Starlink connectivity.



Unleash live turns video and imagery into insights, fast

Unleash live turns video and imagery into insights, fast

CUSTOMER DEVICES

- MOBILE PHONES
- DRONES
- PLATFORM CAMERAS
- ACTION CAMS
- SATELLITES
- HEAD MOUNTED

UNLEASH

CUSTOMER WORKFLOW

ALERTS

OVERCROWDING ALERT just now
Platform 4A

LIVE DASHBOARDS

INTEGRATIONS

API

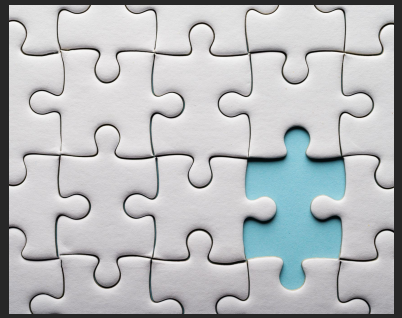
Power BI
tableau
esri

Visual inspections conducted manually are costly, slow and produce incomplete data

People have always performed manual visual inspections across many sectors. They've used outdated tools to translate something that they see into structured data for decision making and action

MANUAL DATA CAPTURE

Many companies still use clipboard and pencils across a wide range of sectors to capture and translate data into business tools for their daily operations.

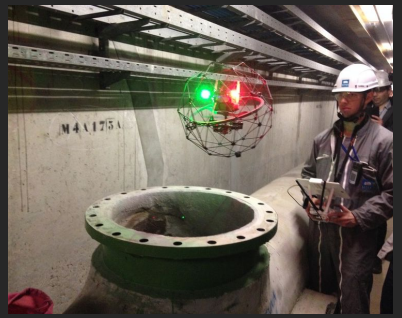


INCOMPLETE DATA

Manual inspections mean that often data is incomplete due to the cost and availability of resources to obtain larger datasets for statistical and trend analysis

HARD TO REACH

High value remote assets such as Wind Turbines, Transmission lines and Pipelines pose a challenge in obtaining the data needed for daily operations



DANGEROUS SPACES

Energy, Resources and Oil & Gas often require placing people into dangerous spaces to obtain the data needed for decision making

The benefits of drone inspections

+ Safer
+ Faster
+ More affordable

The above results in an increase in inspections. This means:

+ Improved ROI:
  - An increase in asset longevity
  - Decrease in downtime
+ Increased safety
+ Critical maintenance projects are prioritized

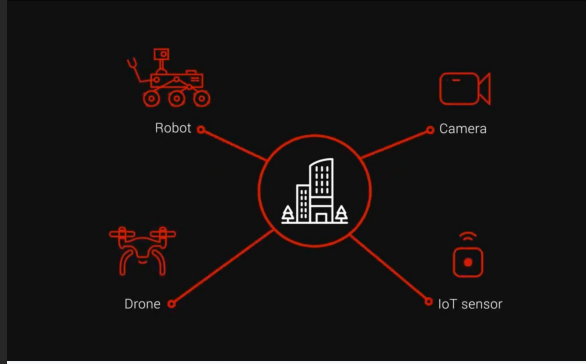
Overall the benefits are better and faster decisions based on more accurate data.

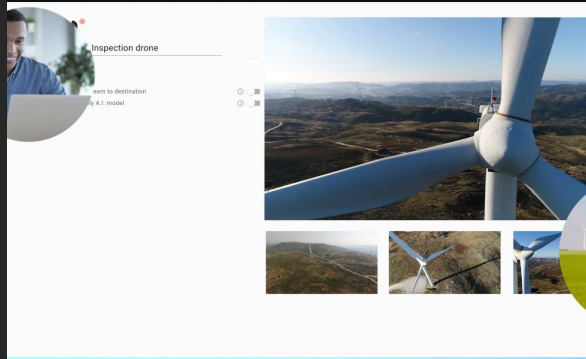
Ultra low latency live stream

Fast track operations with remote inspections and collaboration.

Real time collaboration so the expert operates as if they are on site, from anywhere in the world.

- 4 concurrent viewable live video channels and an unlimited number of active devices via a browser
- No account set up or download provided
- Multiple devices





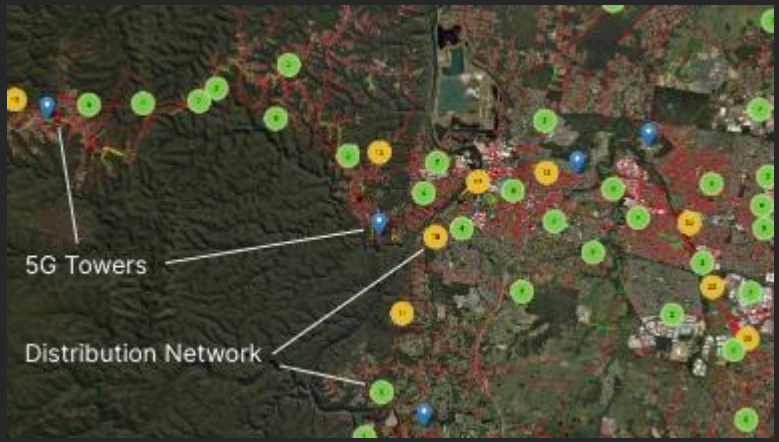
Endeavour Energy's electricity distribution network spans 47,000km of power lines, 500,000 power poles, and 32,000 substations across New South Wales, Australia.

CASE STUDY

Endeavour Energy

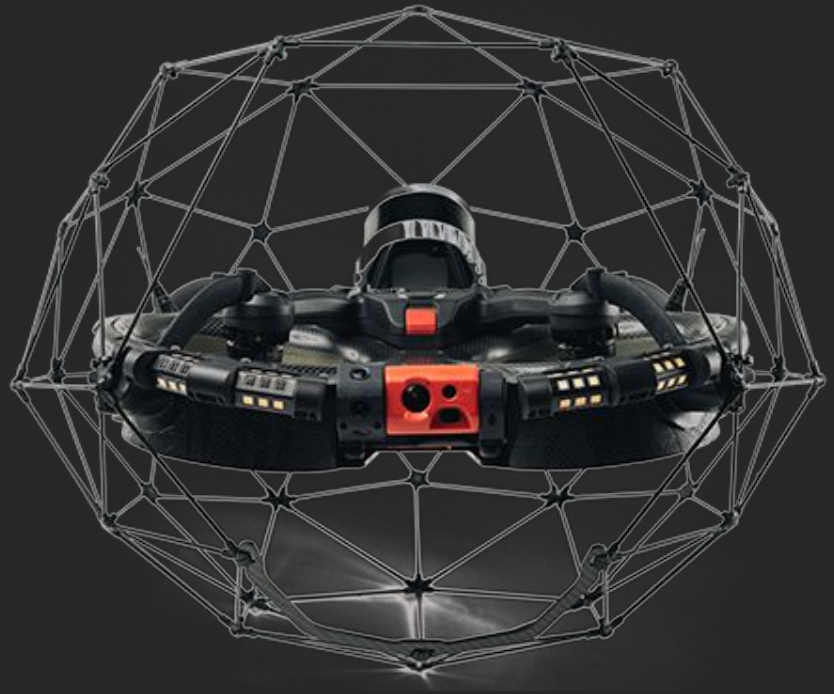
Leveraging A.I. to analyze video content through SUV cameras, drones & 4G and 5G to accelerate network remediation and improve worker safety by remotely alerting Endeavour Energy of faults or damaged equipment on the electricity network.

Fusion Atlas mapping tool was used to overlay Endeavour Energy power lines with 5G towers to define the footprint for testing live streaming to the Unleash live platform using 5G.

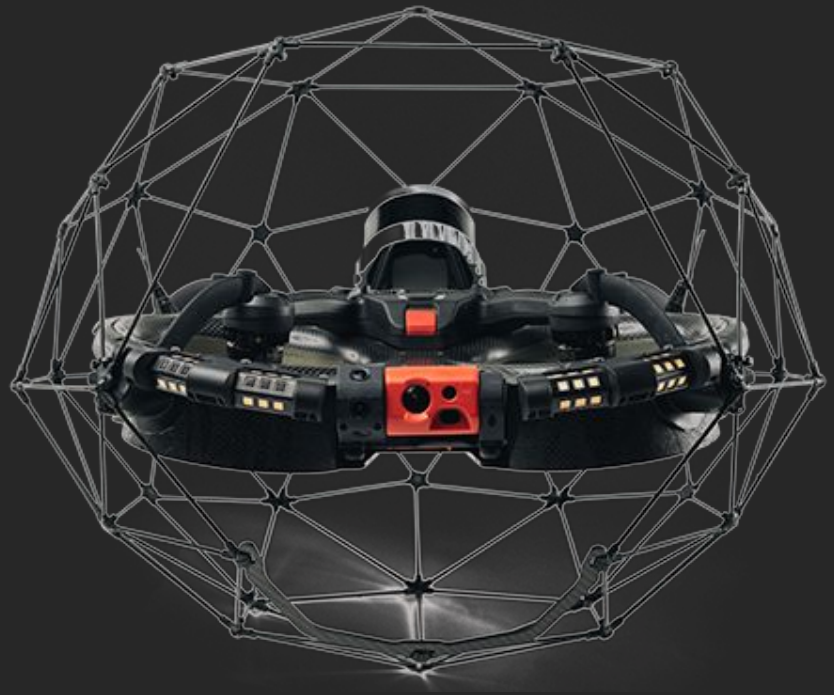


Future integrations

+ Remote / Autofly / robotics control
+ Live streaming
+ LiDAR streaming for live positional information
+ Headsets
+ Plan indoor flights, 3D modelling, autonomous flights



LIVE DEMO



Q&A

Send your follow up questions to:

Kihan Garcia, Unleash live—kihan.g@unleashlive.com
Flyability—denver@flyability.com