

Skydio

Chris Mauser

AI-DRIVEN AUTONOMY BOTTOM LINE:

- Improves existing use cases and enables new ones
- Drone adapts to the task rather than the user adapting to the drone

Manual Drones



Autonomous Drones

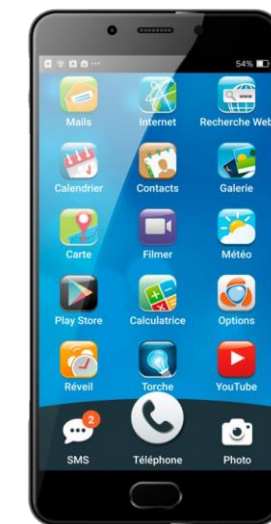


HARDWARE-CENTRIC

SOFTWARE-DRIVEN



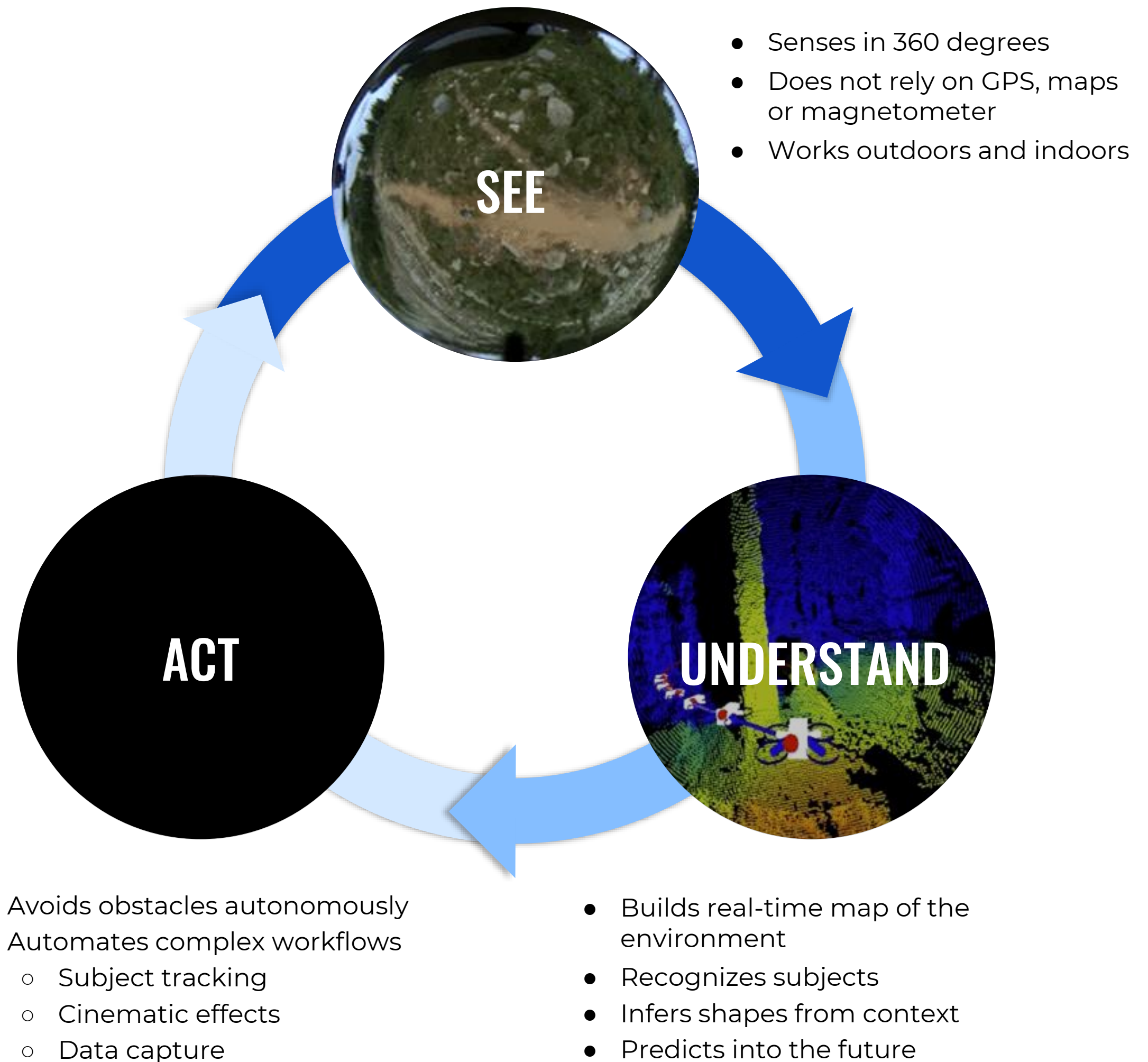
Flip phone



Smartphone

AI-DRIVEN AUTONOMY:

- Computer vision
- Deep learning neural networks
- Workflow automation



THE FUTURE OF AERIAL PUBLIC SAFETY

Fly near and around obstacles and in GPS-denied environments

Situational Awareness

Search & Rescue

Worry-free overwatch in crowded scenes with minimal social disruption

AUTONOMY

Fly confidently at ground level and indoors

Hostile Scene De-escalation

Crime & Crash Scene Reconstruction

Automate capture in close proximity to increase speed and data quality

SKYDIO SOLUTIONS FOR PUBLIC SAFETY

SKYDIO 2™

AVAILABLE NOW

SKYDIO 2+

Unmatched autonomy for safe and simple unmanned operations

- Powered by **Skydio Autonomy Enterprise**
- **360° obstacle avoidance** based on 9 onboard deep neural networks
- **GPS-denied navigation** thanks to computer vision system
- **Autonomous flight** for navigation, inspection and situational awareness
- **Unprecedented ease of use** with flight apps designed with camera-like simplicity



Skydio 2+



Now compatible with Skydio
2 / 2+



Skydio Beacon



Skydio Controller

SKYDIO X2™

SKYDIO X2E

The brains of Skydio with the brawn of a professional workhorse.

- Powered by **Skydio Autonomy**
- **Built resilient** with ruggedized airframe, 35 min endurance, up to 6km wireless range
- Pairs seamlessly w/ the **Enterprise Controller**
- **NDAA compliant** with secure product and supply chain vetted by US Federal Government
- **Available in Thermal and Color Variants** to adapt to your mission sets



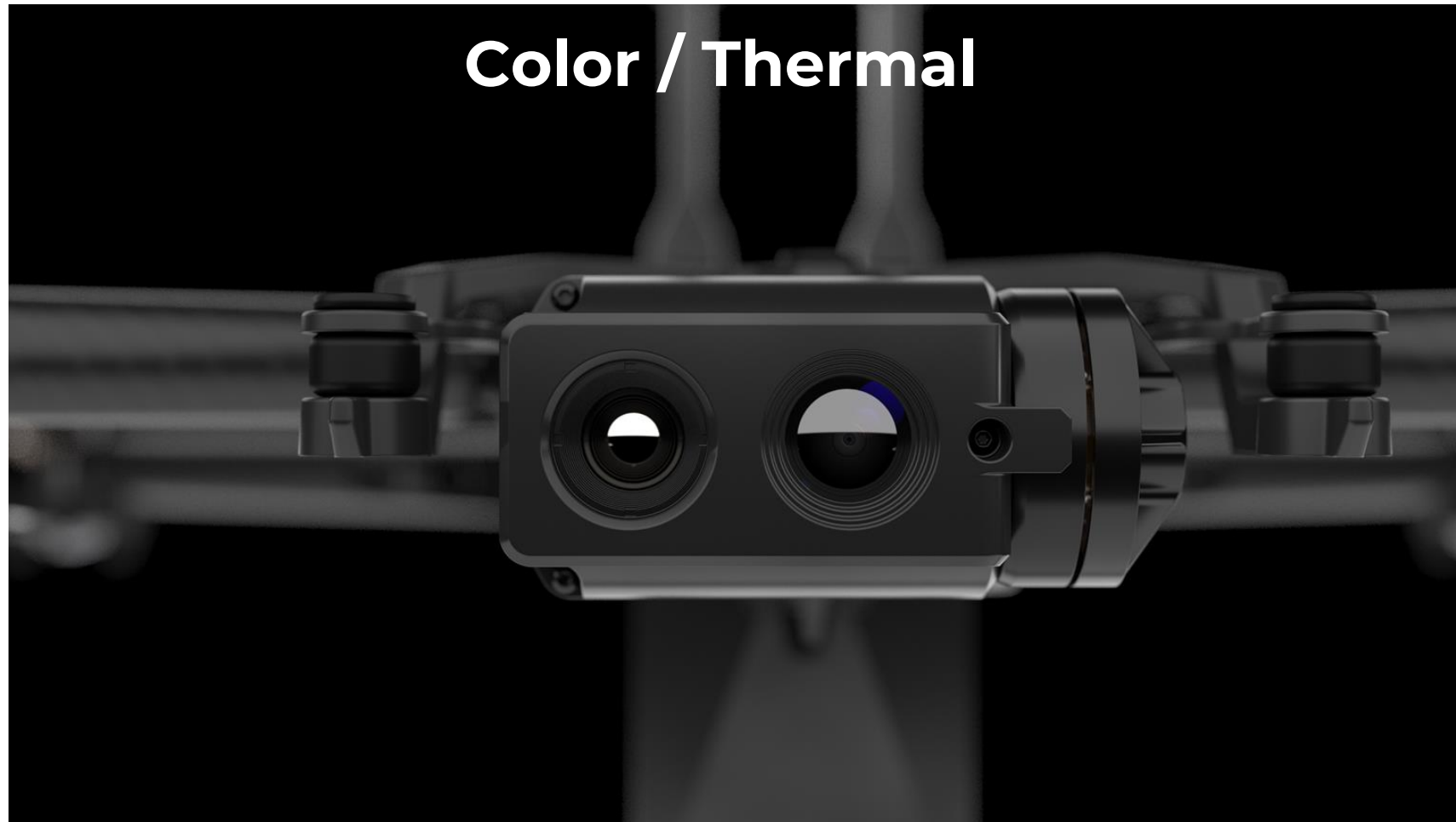
Skydio X2



Skydio Enterprise Controller

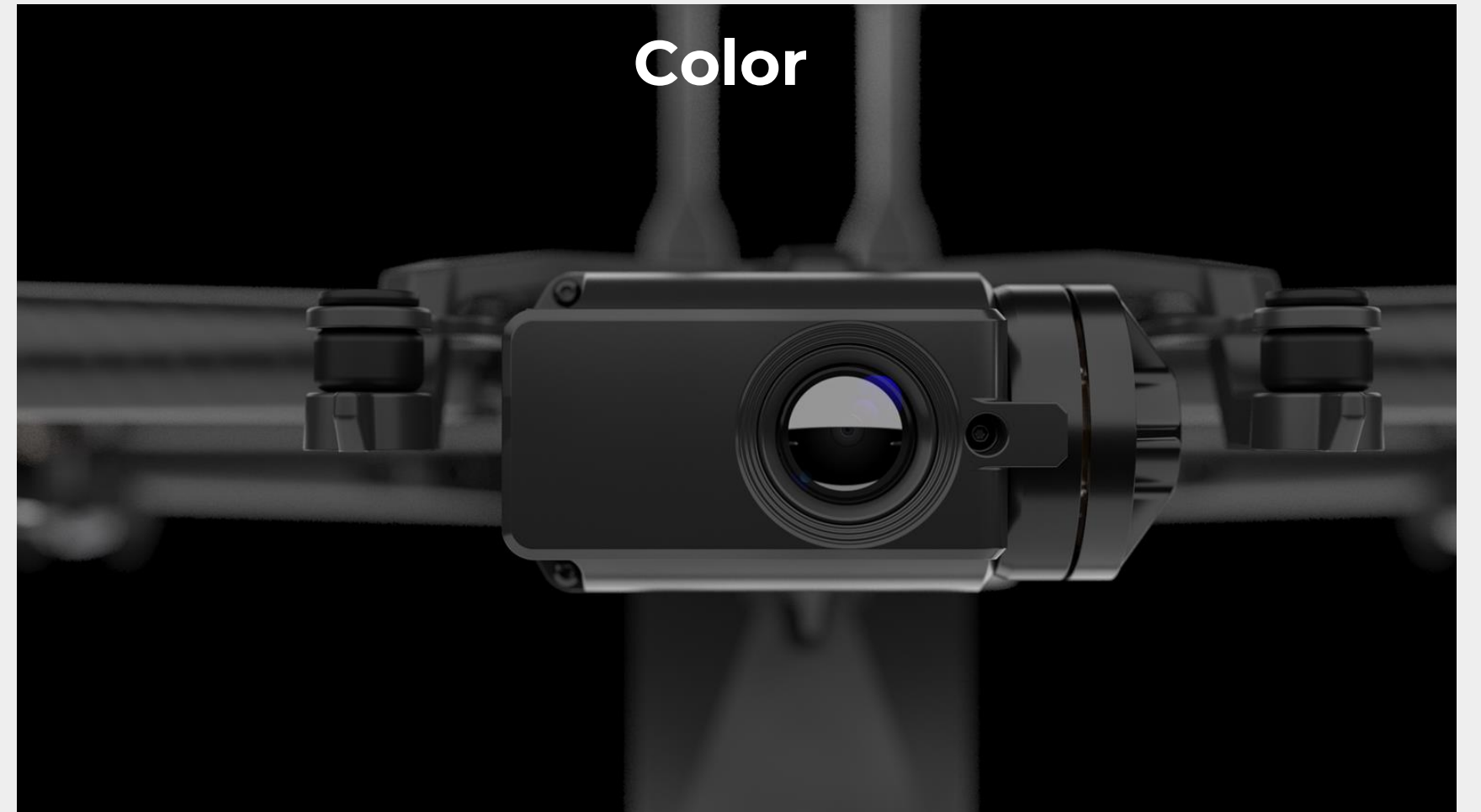
THE RIGHT DRONE FOR THE JOB

Color / Thermal



~40° FOV color lens + FLIR® 320x256 thermal
**Optimized for long standoff capture and
situational awareness**

Color



~80° FOV color lens
**Optimized for visual inspection and mapping
with unmatched detail**
Ideal for Skydio 3D Scan

**DOCUMENT COMPLEX SCENES WITH
ACCURACY, EFFICIENCY AND SAFETY**

3D SCAN™

**Adaptive scanning for
autonomous data capture.**

- AI-driven workflow
- Adaptive mapping
- Submillimeter resolution
- Augmented reality monitoring
- A tool for any worker

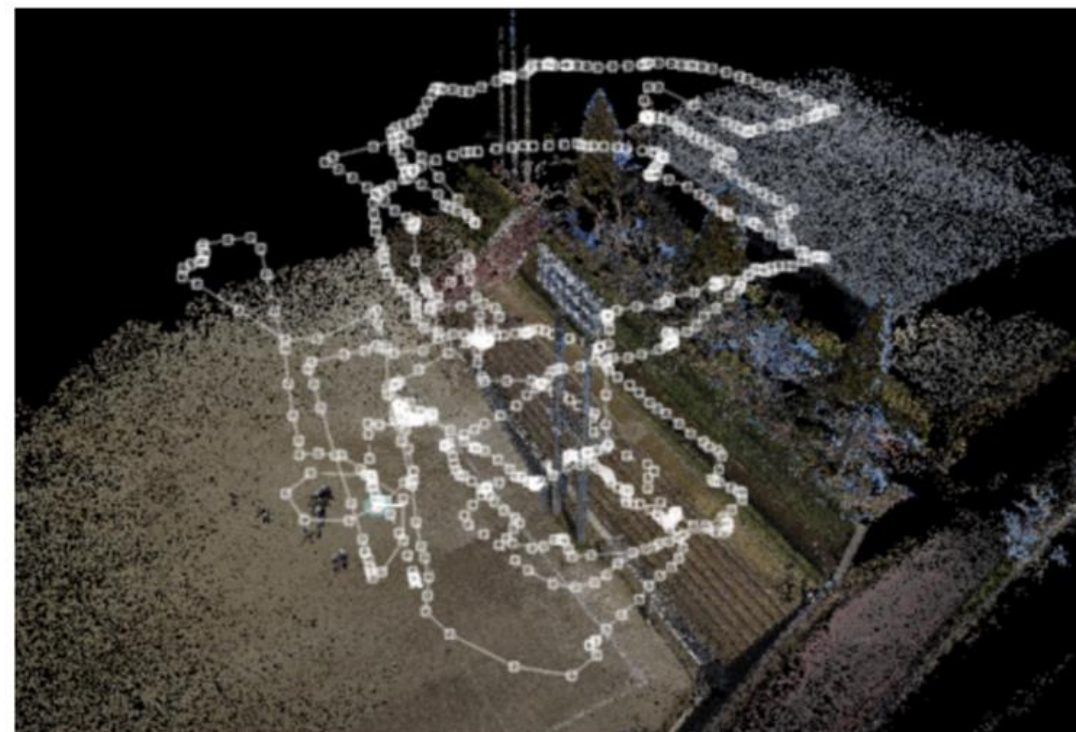
Compatible with Leading Photogrammetry Software



ROBOTIC PRECISION FOR CONSISTENT DATA

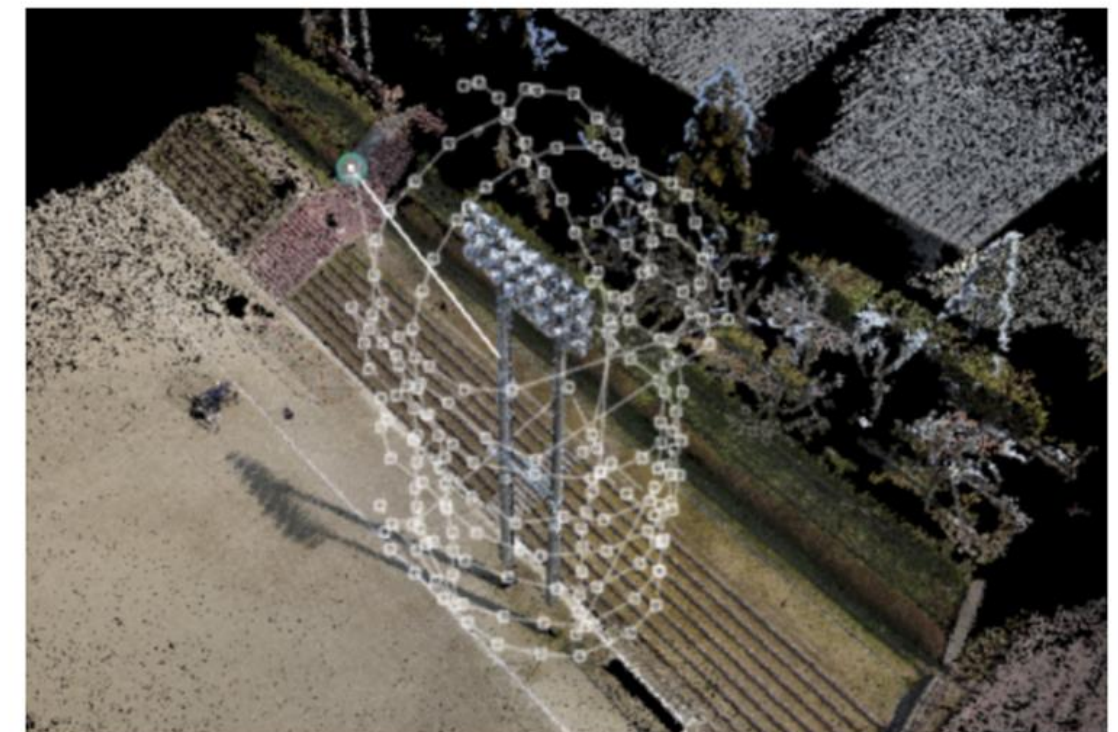
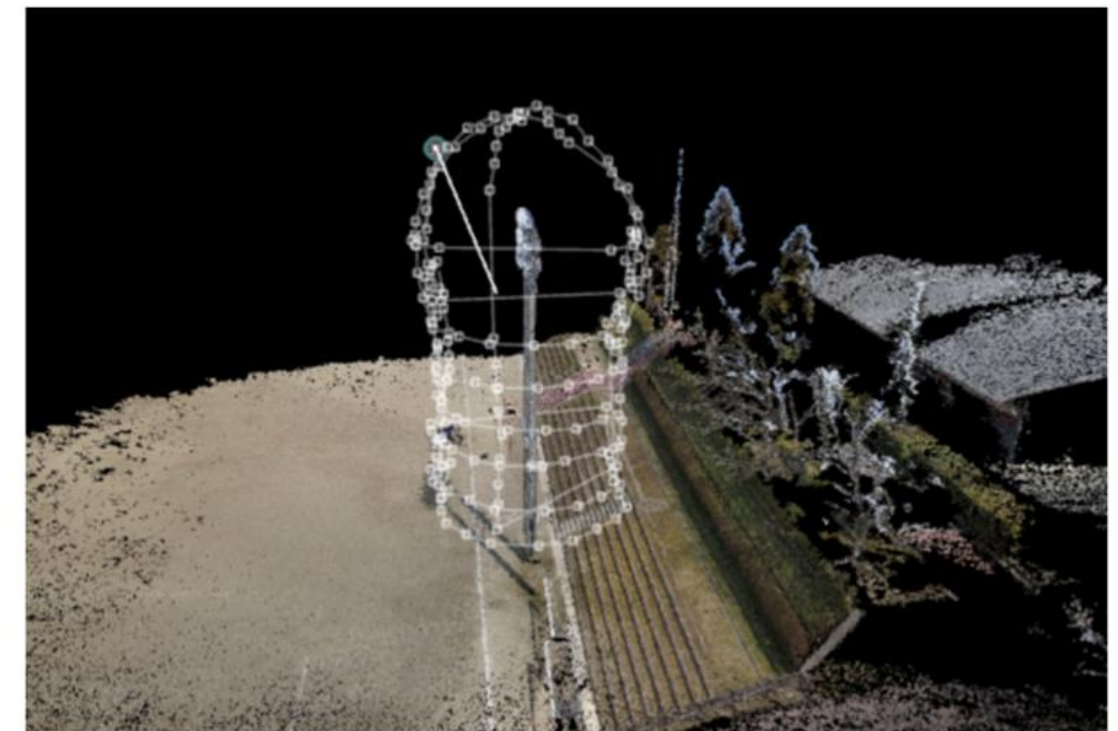
Skydio 3D Scan's Adaptive Mapping Algorithms generate consistent datasets of any scene

Manual Capture



Inconsistent coverage and resolution

Skydio 3D Scan Capture



Full coverage, consistent overlap, standardized resolution

Car Crash

Processing package: **Bentley**

- Platform: Skydio 2
- Photos: 422
- Standoff distance: 2.2meters
- Resolution (GSD): 0.927mm
- Overlap / Sidelap: 80% / 70%
- Fly Time: 17.5 minutes
- Category: Public safety



Car wreck

Processing package **Bentley**

- Platform: Skydio 2
- Photos: 210
- Standoff distance: 2.1 meters
- Resolution (GSD): 0.80mm
- Overlap / Sidelap: 80% /70%
- Fly Time: 3 minutes
- Category: Public Safety



Helicopter Crash

Processing package **Bentley**

- Platform: Skydio 2
- Photos: 542
- Standoff distance: 10 meters
- Resolution (GSD): 1.25mm
- Overlap / Sidelap: 75% / 70%
- Fly Time: 43 minutes
- Structure Dimensions: 77 ft by 24 ft by 10ft
- Category: Public safety



Corsair Jet

Processing package **Bentley®**

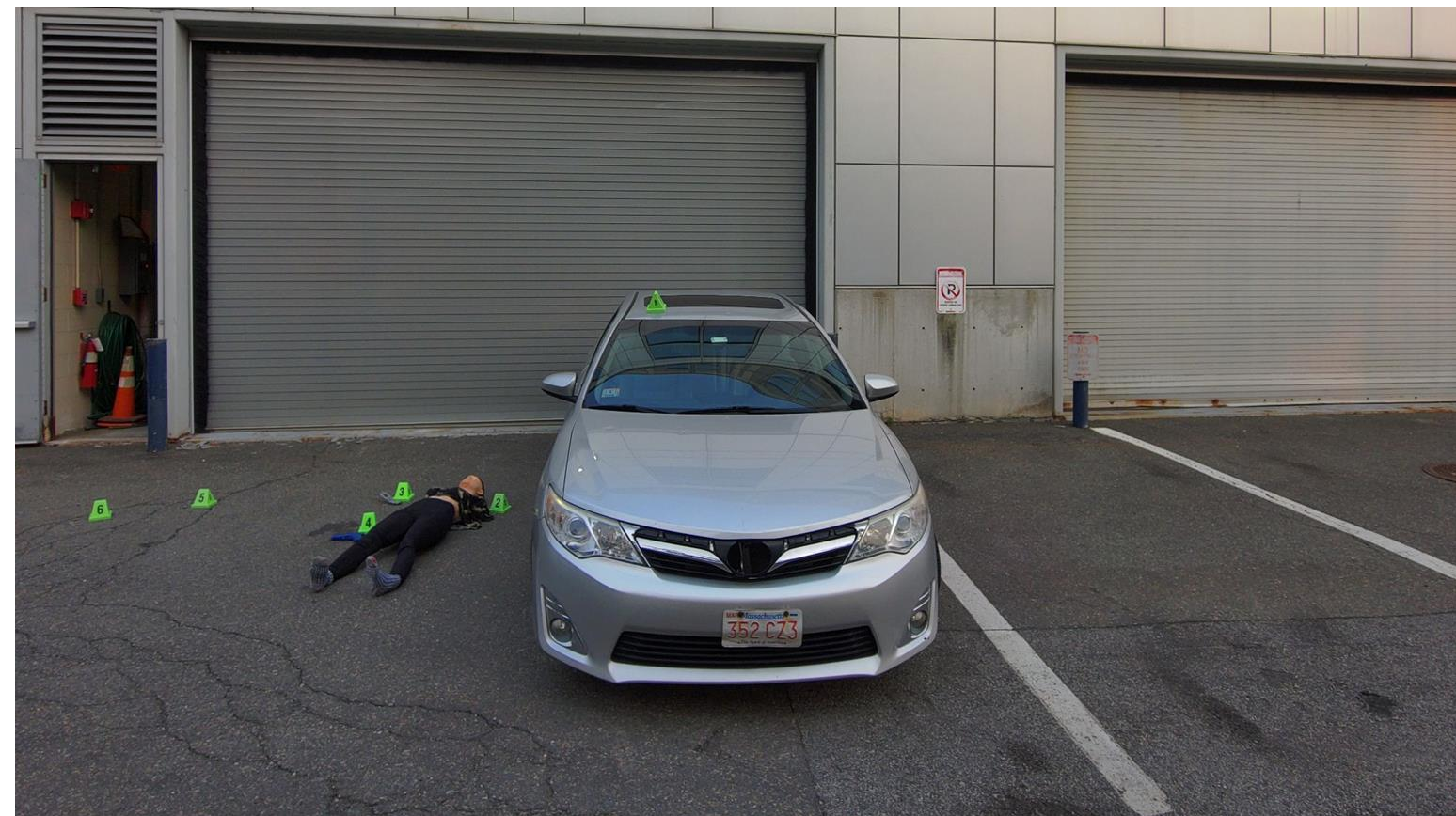
- Platform: Skydio 2
- Photos: 501
- Standoff distance: 10 meters
- Resolution (GSD): 1.70mm
- Overlap / Sidelap: 80% / 70%
- Fly Time: 29 minutes
- Category: Enterprise





Scanning Mock Crime Scene

- **Platform:** Skydio 2
- **Distance:** 14 feet
- **GSD:** 1.8 mm
- **Overlap / Sidelap:** 80 / 70%
- **Photos:** 110
- **Fly Time:** 13 min
- **Structure Dimensions:**
Approx. 60 ft (length) x 15 ft (height) x 20 ft (width)
- **Processing Package:**
Bentley ContextCapture

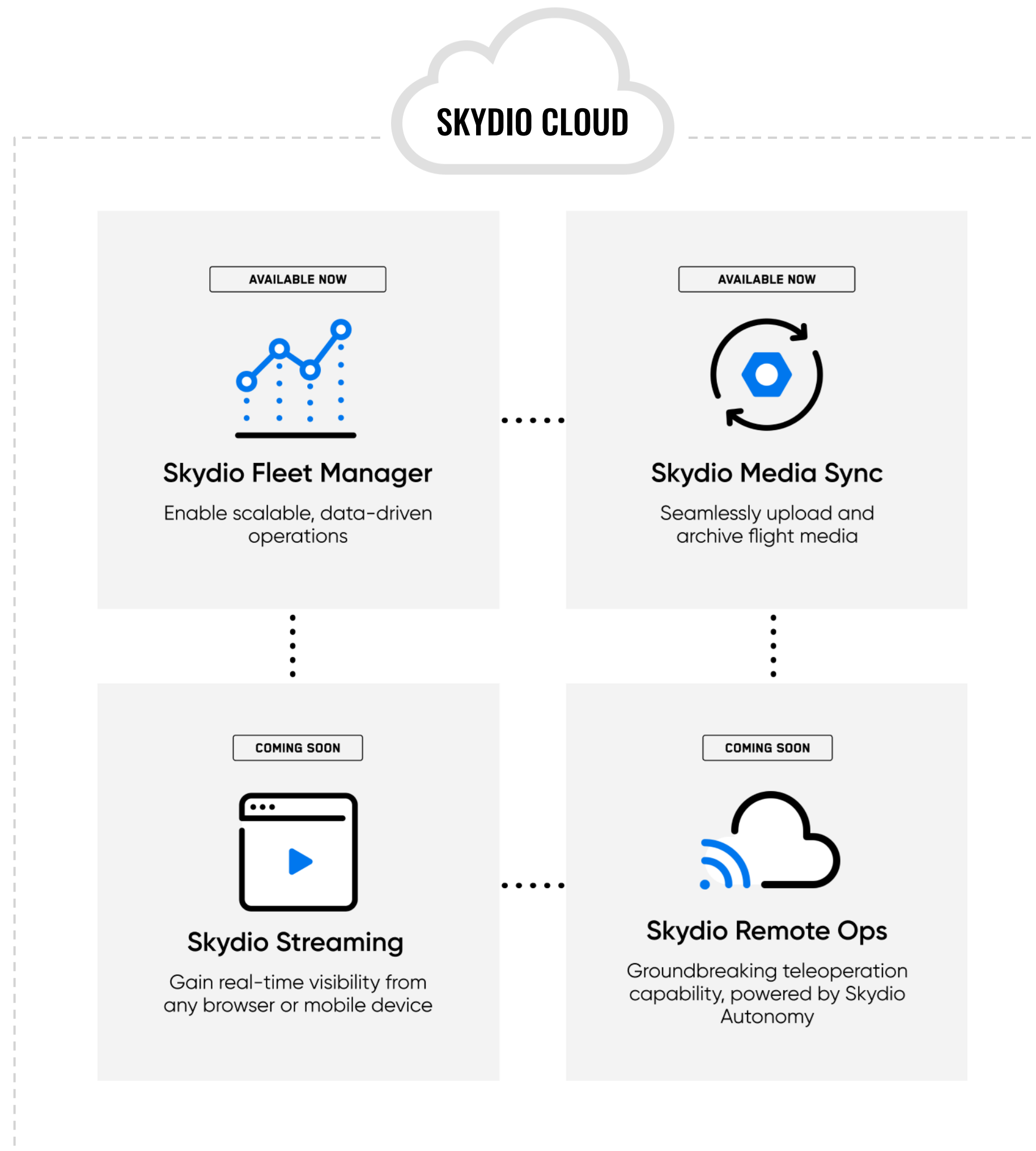


SEAMLESS DATA FLOW FROM THE FIELD TO YOUR ORGANIZATION

AVAILABLE NOW

SKYDIO CLOUD

Suite of Advanced
Cloud Services supporting
Connected Flight
Operations





AXON

+



Skydio