Skydio is the World-Leader in Autonomous Flight Technology

Skydio is the leading U.S. drone manufacturer and world leader in autonomous flight technology. Skydio leverages breakthrough AI technology to create the world's most intelligent flying machines for consumers, enterprises, defense and civilian agencies. Founded in 2014, Skydio built a world class R&D team with leading experts in AI, robotics, cameras, and electric vehicles from top companies, research labs, and universities. Headquartered in Redwood City, CA, Skydio designs, assembles, and supports its products in the U.S. to offer higher standards of supply chain and manufacturing security. Skydio is trusted by leading enterprises across a wide range of industry sectors and is backed by top investors and strategic partners including Andreeson Horowitz, IVP, Playground, Next47, Levitate Capital, NTT DOCOMO, NVIDIA.
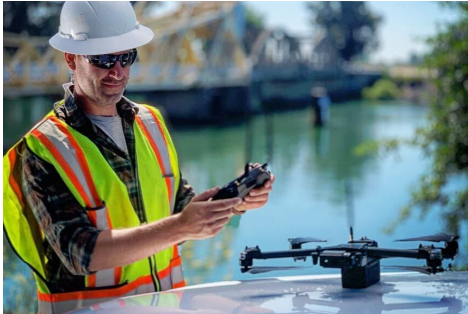
Manually-operated drones hit a wall with enterprises.

The much-anticipated drone revolution holds the potential to touch a myriad of industries and deliver countless benefits by perfecting existing use cases where heavy equipment or dangerous activities are required, and by unlocking entirely new business outcomes.

Inspection of critical infrastructure by drone can eliminate the need for expensive equipment or worker exposure to high altitude or other dangers, such as nuclear radiation.

Public safety operators can gain critical situational awareness on search and rescue or firefighting missions, enabling better tactics in areas that cannot afford helicopters.

Defense units can perform short range reconnaissance flights to act more strategically in their military operations.

And yet, despite a range of aircraft and sensors, the revolution has not materialized until now. Traditional drones require highly-trained pilots since they are manually operated, hard to fly and easy to crash. In fact, the fear of crashing defines the entire industry - because crashes are so common, pilots actively avoid proximity to their targets. To compensate, vendors build large cameras and zoom lenses which hike costs unnecessarily. We are hitting the "dumb drone" wall.
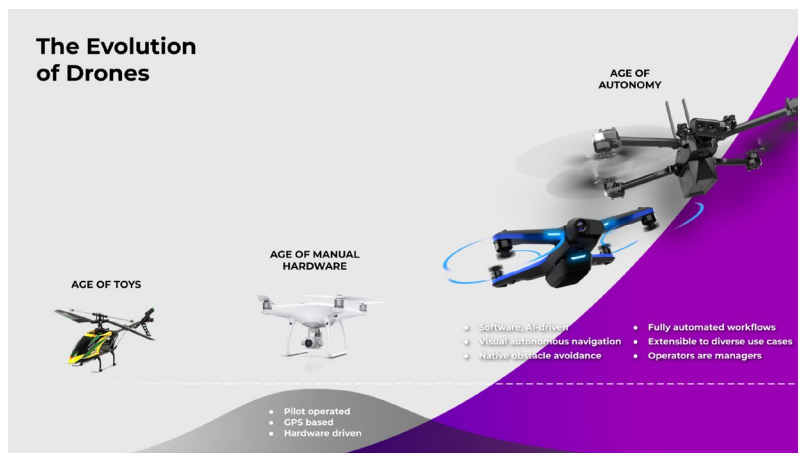
The Skydio Approach: Unlock Radically Simpler Flying Experience through Autonomy

Autonomy is the solution the industry has been waiting for. Skydio drones are built from the ground up to take the burden of safe flight off of the pilot based on our AI-driven engine, Skydio Autonomy™. Each drone carries six navigation cameras, and an NVidia Tegra GPU that runs the autonomy engine and enables the drone to see and understand its surroundings, plan a path through them, and avoid obstacles in any direction. The result is a vehicle that an operator can fully trust to get the job done.

The Skydio Solution Architecture

Skydiio is bringing a full-stack alternative to today's drones. While operators are making do with a hodge-podge of airframes, sensor payloads, and software integrations, we are working towards an integrated solution that applies artificial intelligence to address industry-specific use cases in a highly-customized way.

SKYDIO AUTOMATES THE SKILLS OF AN EXPERT PILOT

USER INTERFACE	Skydio Enterprise App		
ADVANCED AI SKILLS	3D Scan™		House Scan™
	Skydio Autonomy™ Enterprise Foundation 360 Superzoom | Precision Mode | 180 Vertical View		
CORE AUTONOMY FUNCTIONS	Skydio Autonomy™ Core Real-Time 3D Mapping | Object Recognition | Obstacle Avoidance | Motion Prediction		
	Skydio 2™ & Skydio X2™		
HARDWARE	Enterprise Controller		Dock™
	Human Operator		

Platforms

Skydio 2™

BREAKTHROUGH INTELLIGENCE. IMPOSSIBLE VIDEO.

Small quadcopter that combines the power AI-powered flight autonomy engine with a compact, lightweight airframe, making it the most intelligent, safest and simplest drone to operate in the market. The Skydio 2 sets a new standard for AI-assisted flight, providing trustworthy obstacle avoidance that lets pilots execute flights they could never try on any other platform.

X2™

BUILT FOR BUSINESS. READY FOR DUTY.

Mid-sized drone that pairs breakthrough autonomy software with a ruggedized airframe with folding arms for easy "pack and go" transportation, a thermal camera, and up to 35 minutes of flight time. X2 is equipped with six 4K navigation cameras for 360° obstacle avoidance and a dual sensor payload that includes 12MP color and 320x256 FLIR® sensors.
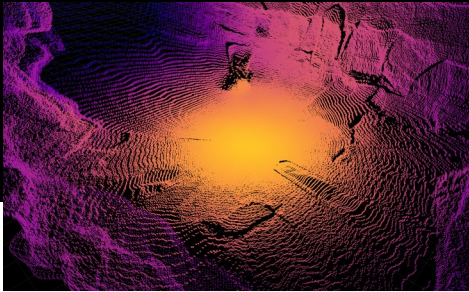
Skydio Dock™

### PERSISTENT AUTONOMOUS OPERATIONS.

Self-contained, weatherproof, charging base station for Skydio drones that enables truly persistent operations for enterprise applications. Skydio Dock fits in a carry-on suitcase, can be set up in minutes, and uses Skydio Autonomy to intelligently accomplish complex tasks.

Skydio Solutions

Skydio Autonomy™:
A new generation of drone intelligence.

Skydio Autonomy brings the skills of an expert pilot to our drones. It uses AI to understand the world around it and predict into the future to make intelligent decisions. Skydio Autonomy delivers groundbreaking capabilities, including 360° obstacle avoidance, real-time 3D mapping, object and scene recognition, motion planning and 360 Superzoom.
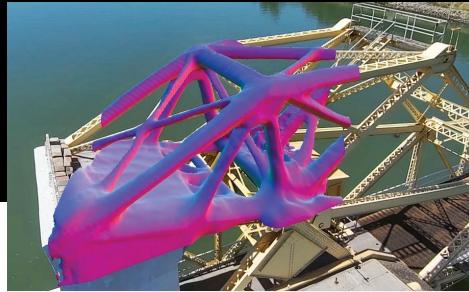
Skydio 3D Scan™:
Autonomous inspection of industrial structures

The first of its kind general-purpose digital scan software for inspections of complex structures and locations, such as bridges, building facades, energy infrastructure, crash and crime scenes. 3D Scan is powered by a new real-time visual 3D reconstruction layer built on top of Skydio Autonomy.
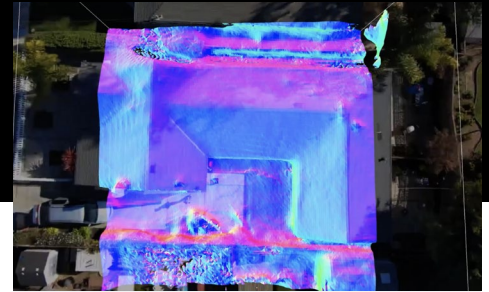
Skydio House Scan™:
Autonomous inspection of residential properties

Delivered in partnership with Eagleview, it enables home insurance agents to automatically perform accurate inspection of residential homes safely and without the need to become expert drone pilots. Available on Skydio 2.

Skydio Delivers World-leading Autonomy

|	DJI	Skydio
Architechture	Hardware Centric	Software-driven
Autonomy	✖ Designed for Manual Flight	✔ Trustworthy Autonomy powered by AI
Automated Workflows	Partial: through 3rd parties	✔ Extensible to diverse use cases Situational awareness, Inspection
User Experience	✖ Complex. Requires extensive training	✔ Pilot assisted autonomy
Cost of Ownership	✖ Vehicle + Pilot + Additional Software	✔ Vehicle with built-in intelligence
Supply Chain	Made in China	Designed, assembled, supported in the US

Designed, Assembled and Supported in USA

Skydio is the leading drone manufacturer in the United States. While foreign drones pose risks regarding supply chain and cybersecurity, Skydio designs, programs, and builds all drones right here in the USA, and sources intelligent components from American companies.

Autonomy Unlocks Scalable Deployments across Use Cases

Skydio Autonomy is already starting to upend the industries that are building Skydio fleets. Our customers are using artificial intelligence to leave their past operations - and their competitors - behind.

SITUATIONAL AWARENESS

ASSET INSPECTION

SECURITY AND PATROL

SEARCH AND RESCUE
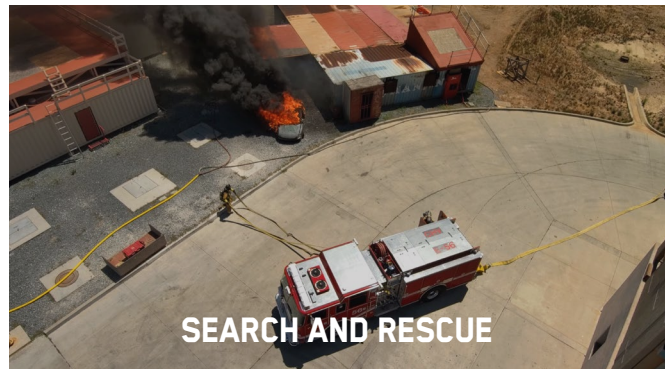
Chula Vista Police Department Conducts Tactical Beyond-Visual-Line-of-Sight (BVLOS) Flights.

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Ohio Department of Transportation Performs Aerial Bridge Inspections.

Traditional bridge inspections are expensive, dangerous, and disruptive to traffic. The American Association of State Highway Transportation Officials (AASHTO) estimates that inspecting bridges by drones can save 75% of inspection cost and 90% of social disruption cost. Our customer has used Skydio 2 to perform an increasing number of bridge inspections as snooper truck crews have been limited by social distancing protocols.

Anybody who has flown a Skydio will tell you it's an experience unlike any other drone. Here is what some of our most experienced pilots are saying after switching to Skydio.

"*Move over, DJI. The best consumer drone in the world right now is the Skydio 2. It's basically a flying supercomputer outfitted with 4K video. An astounding technological achievement.*"

– Glenn Zorpette, Executive Editor of IEEE Spectrum

"*With the Skydio's advanced sense and avoid technology we are able to perform operations in close proximity to our critical infrastructure with additional assurance that we will be able to meet our business needs safely and more efficiently than traditional methods.*"

– Fred Judson, Director, Ohio Department of Transportation UAS Center

Skydio