AirMap is making drones part of everyday life by delivering integrated access to low-altitude airspace.

UNPRECEDENTED GROWTH

55 Employees Worldwide

GLOBAL PRESENCE

Santa Monica | Berlin
Tokyo | Mountain View

FUELED UP & READY TO FLY

$43 Million in Funding
Drone-powered business solutions have an estimated global market value of $127.3 billion dollars.*

770,000
U.S. drone registrations as of Jul 2017

55,000
U.S. remote pilot licenses as of Jul 2017

$9B
est. U.S. net social benefit by 2020

Source: the FAA

* “Clarity from above,” PWC, 2016.
Working Remotely: 100,000 U.S. Jobs + $9 Billion in Net Social Benefit

Source: the FAA

Cable Providers

Utilities / Infrastructure

Media & Entertainment

Journalism

Transportation & Logistics

Mining

Public Safety / Law Enforcement

Agriculture

Construction

Source: the FAA
Low-altitude airspace is complex.
Safety, Performance, and Compliance are Essential.
Opening the Airspace for Business

Integrated access to low-altitude airspace is possible through the AirMap platform.
The AirMap Platform Architecture

developers.airmap.com

dashboard.airmap.com / app.airmap.com / iOS & Android App
AirMap Premium Services

**Contextual Airspace**
Rules-based advisories and airspace information for compliance assurance amid ever-changing airspace conditions

**Digital Notification**
Inform airspace managers directly of drone operations via digital notification.

**Digital Authorization**
Receive instant and automated airspace authorization directly from authorities

**Traffic Alerts**
Real-time traffic feed of nearby manned and unmanned aircraft that pose a risk to a drone’s intended flight path

**Weather & Wind**
Provide users with real-time conditions for safer flight planning.

**Airspace Management**
Real-time situational awareness from an easy-to-use dashboard
Contextual Airspace

Real-Time Airspace Discovery
Learn everything you need to know about the airspace in which you intend to operate, including airspace regulations, temporary flight restrictions, critical infrastructure, VIP movements, nearby air traffic, and more.

Basic Mission Planning
Plan your mission based on flight rules, aircraft performance, time of day, micro-weather, and more.

Timely Updates
Real-time information and alerts such as temporary flight restrictions, nearby traffic, and first responder activity.
Digital Notification

Airspace Management Dashboard

Deployed at over 130 airports for on-demand situational awareness
Airspace Authorization

FAA, Industry Work To Automate Drone Airspace Authorizations
by Bill Carey - March 28, 2017, 4:38 PM

Airspace authorization to fly commercial drones such as the Matrice M200 will be expedited under the LAANC capability. (Photo: DJI)

The Federal Aviation Administration is taking steps to automate the approvals that drone operators need to fly in controlled airspace and to track small unmanned aircraft systems (UAS) that are already in flight.
Airspace Authorization

Opening up the Airspace

AirMap allows commercial operators to meet notification and authorization requirements using FAA-approved technology.

AirMap is one of the only companies that will offer FAA immediate notification and authorization later this year.
Airspace Authorization

Coverage

- Can be deployed in all U.S. Class (A,B,C,D,E) airspace
- 720,000+ Part 107 (Commercial) Operators

PART 107 Airspace Authorization

Date & Time
Starts At: Now
Duration: 45m

Pilot & Aircraft
Pilot: Nic Pro
Aircraft: My Drone

Submit

Restricted Airspace
Waiver Required, 90 Days in the US

Authorized Airspace

Automated Approval Module
Immediate Approval Module

AirMap has partnered with the FAA on LAANC (The Low Altitude Authorization & Notification Capability) to deliver easy and instant authorization in controlled airspace.
Traffic Alerts

Real-time Updates of Nearby Traffic

Provide situational awareness to operators about manned and unmanned traffic in the area.

Manned and unmanned aircraft trajectories create a potential hazard for the drone’s area of operation.

We invest in multiple sources of manned traffic and are increasing the amount of trajectory information every month.
Weather & Wind

Allows operators to visualize wind, visibility, temperature, and other weather information, now or in the future.

Essential for planning flights, this information can be displayed for the upcoming hours or for a future flight, and embedded into mission planners and flight apps.
Airspace Management

Unmanned Traffic Management

Manned Air Traffic Control
National Airspace System
National/Global Airspace Data

Terrain, weather, obstacles,
other supplemental data

Public Safety

State & Local

UAS Service Suppliers

Drones
Drone Operators
Drone Fleets

Government

Industry
Evolving the Future of Drones

**Recreational Drones**
Early adoption of remote helicopters and quadcopter for hobby use, including photography.

**Package Delivery**
BVLOS, semi-autonomous fleet management for standardized drone delivery from logistics centers to your front door.

**Flying Cars**
Fully autonomous personal VTOL aircraft that are fully equipped to take one or more passengers directly to and from their destinations.

**Enterprise Drones**
Individual and fleet deployment across agriculture, construction, mining, survey, mapping, public safety, and more.

**Drones as a Service**
Connecting the general public to end services offered by autonomous drones. Tap to request a roof inspection, no pilot required.
Global UTM Association

For a safe and efficient UAS integration into civil airspace

www.gutma.org
The Global UTM Association (GUTMA) is a non-profit consortium of worldwide Unmanned Aircraft Systems Traffic Management (UTM) stakeholders. Its purpose is to foster the safe, secure and efficient integration of drones in national airspace systems. Its mission is to support and accelerate the transparent implementation of globally interoperable UTM systems. GUTMA members collaborate remotely.

We unite:

- Air navigation service providers
- UAS operators
- UAS manufacturers
- UTM data & software providers
- Infrastructure providers
- Insurance & consulting corporations
- Regulatory bodies
- Academic experts

www.gutma.org
Facts & Figures

Association

Based in Lausanne, Switzerland
Representing 60+ organizations
Present in 18 countries

Main Collaborations

Europe: DG Move / SESARJU / EASA
USA: NASA AMES
Japan: METI, JUTM
# Board of Directors

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<tr>
<th>Name</th>
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<th>Role</th>
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<tr>
<td>Jonathan Evans</td>
<td>Skyward</td>
<td>President</td>
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<td>Marc Kegelaers</td>
<td>Unify</td>
<td>Vice President</td>
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<td>Lorenzo Murzilli</td>
<td>FOCA</td>
<td>Treasurer</td>
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<td>Richard Parker</td>
<td>Altitude Angel</td>
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<td>Samuel Dépraz</td>
<td>SenseFly</td>
<td>(Parrot Group)</td>
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<td>Christian Struwe</td>
<td>DJI</td>
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<td>Mark Watson</td>
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<td>Sebastian Babiarz</td>
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<td>Kei Ikami</td>
<td>NTT Data</td>
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Featured Members

aerial innovation
AERIALtronics
AERONYDE
AGI
AGRO FLY
AIRMAP
AIRobotics
ALTIMETRIC
ANRA Technologies
ACSL
AZIMUT
Blue Innovation
ColibreX
Connect Robotics
Dedrone
Delair Tec
DFS Deutsche Flugsicherung
DJI
Drone Alliance Europe
Drone Complier
DroneLogbook
Euvix
Eversys
EPS
Geek Network
Geospatial intelligence
GEO intraSense
GLM
GLVI
Gryphon Sensors
Hiono
Hitachi
IDS
JAPAN UTM Consortium
JUTM
Maier
Matternet
Matterport
NATS
Robotics
Nokia
NPeAV
NTT Data
OcTo
Parrot
PrecisionHawk
PRODRONE
Qualcomm
Rakuten
SeaLion
Sita
skyguide
Skyward
Sony
TERRA Drone
THALES
UBlox
Unifly
UPC
Vaisala
ViaSat

www.gutma.org
Thank you.