



Pioneer in the UAV market in India



Founded by a team of Dynamic IIT - Bombay graduates in 2007



Celesta FLORINTREE

Backed by **leading** organizations across the globe

350,000+ Successful missions

an ideaForge drone Takes Off every 5 min



50%+ market share in Indian sUAS market

Manufacturing capacity of 1000s of systems per year

500+ employees 200+ engineers

Vertically integrated with 28+ IPs

Listed on Stock Exchanges in India (BSE/NSE)



Challenges with village mapping

Barriers to create *high resolution maps* at *minimal cost*

- Need for lower total cost of mapping
- Need for larger area coverage with multiple polygons in one flight
- Need for ease of transportation and damage-proof packaging

- Fear of flying the drones & crashing
- Need for predictable performance across lifetime
- Need for quick service
 & support across India

- Need to fly in challenging terrain
- Need for easier data logistics
- Need to reduce errors in processing



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Need for more performance

Need for higher reliability

Need for autonomy



Why ideaForge?



PERFORMANCE

ideaForge drones deliver the Best-in-Class Performance, providing the highest endurance in their weight class globally



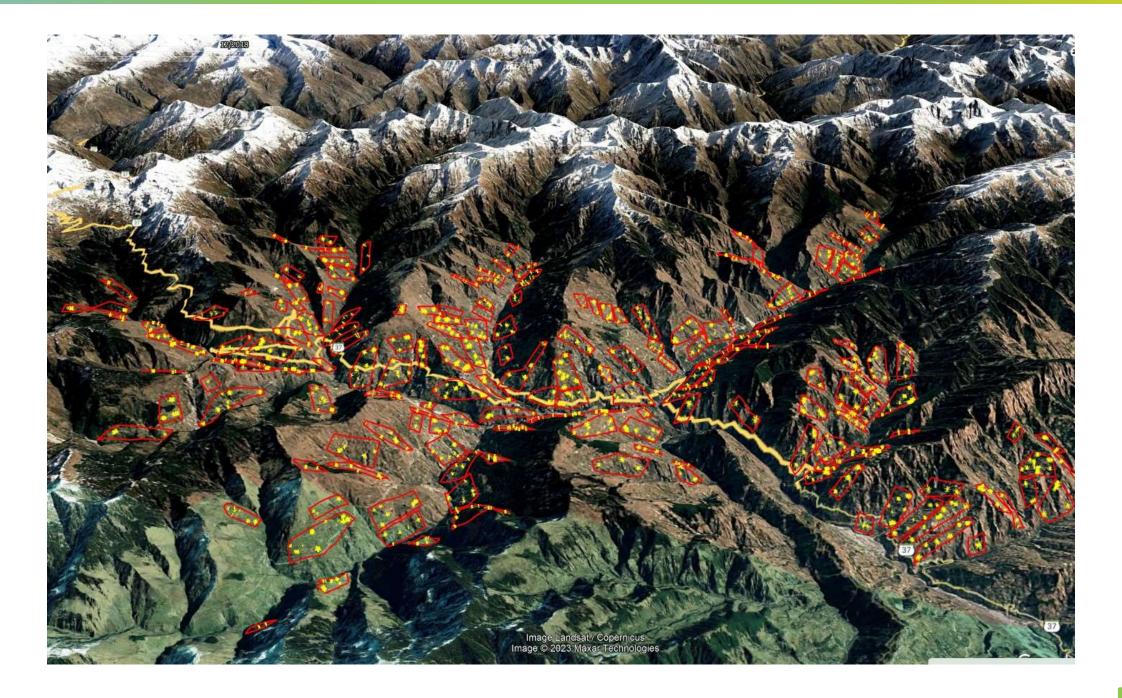
RELIABILITY

ideaForge drones are tested in extreme weather conditions and high altitudes across India from deserts to glaciers & offer the highest technical life of 2000+ landings, highest in their class



AUTONOMY

Built grounds up with
'Mission First' approach &
patented pre flight planning
capabilities, most ideaForge
drone missions are
completed effortless and
handsfree





Mapping in the toughest of terrains

ideaForge UAVs are **enabling mapping across Himachal Pradesh, Uttarakhand, Leh** and other mountainous regions of India **using the valley flying** & **precision landing feature**







High Performance UAVs





Q6

60+ mins flight time

>2 sq.km per flight area coverage with mapping payload **NETRA V4 PRO**

(only for US currently)

90 mins flight time

~5 sq.km per fight area coverage with mapping payload **SWITCH**

120 mins fight time



Land Survey & Mapping

We build a complete solution for lowest TCO mapping





Automated solution workflow

Flight Planning

Data sorting & Geotagging

Upload data & Start photogrammetry

Analytics

Create Dashboard & Reports



Flight planning with BFT



Geotagging with MapAssist



Cloud transfer & ORI processing initiation from within MapAssist

Township Mapping Analytics Report



Analytics in the cloud using variety of integrations



Reports/Dashboards for decision makers



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Thank You









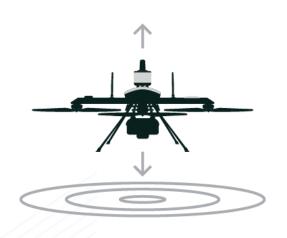




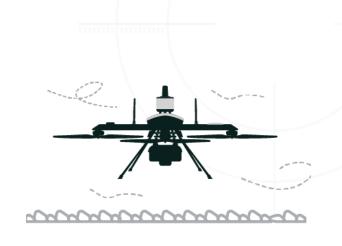




Safety & Autonomy







Landing accuracy

<1m landing each time in high accuracy mode</p>

One-click processing

Pilot can initiate processing from MapAssist

Fail-safe in every scenario

High-Wind, Vibration, GPSfailure, Comm



Built Like a Bird, Tested Like a Tank





Land Survey & Mapping

Barriers to create *high resolution maps* at *minimal cost*

Drone flying & Data collection

Low endurance drones
Low area coverage per day
Challenging terrain
Unable to fly in valley areas
Frequent crashes
Lack of trained pilots
Unreliable drones
Equipment damage during transportation
Mistakes during data collection and
segregation
Communication gap between project
manager and pilots on field

Data logistics & Processing

Large amount of data
Remote locations
Limited internet access
Corruption of files during transport in
hard-disk
Mistakes during PPK geotagging
Incorrect GCP marking
Processing settings unclear
Incorrect photogrammetry settings
Large size of output files
Excessive time for processing
Heavy capital investment for processing
hardware

Analytics and Collaboration

Unfamiliarity with latest Al-tech
Limited size of GIS team
No budget for analytics
Different formats required
No template for reports
No template for dashboards

