

indrone

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CORPORATE PROFILE

INDRONES SOLUTIONS PRIVATE LIMITED



ABOUT US

INDRONES SOLUTIONS PRIVATE LIMITED



To be an end-to-end high resolution, high accuracy and reliable data solutions company to solve large scale problems



To be a sustainable workplace adding value with technology for better tomorrow



To strive for excellence and sustainable growth creating value for its shareholders.



Drones



Platform



Services

2015

Year Founded

165+

Projects Delivered

58K+

Square Km Mapped

Mumbai

HO & Production Facility

100+

Total Employees

10+

Industries Served

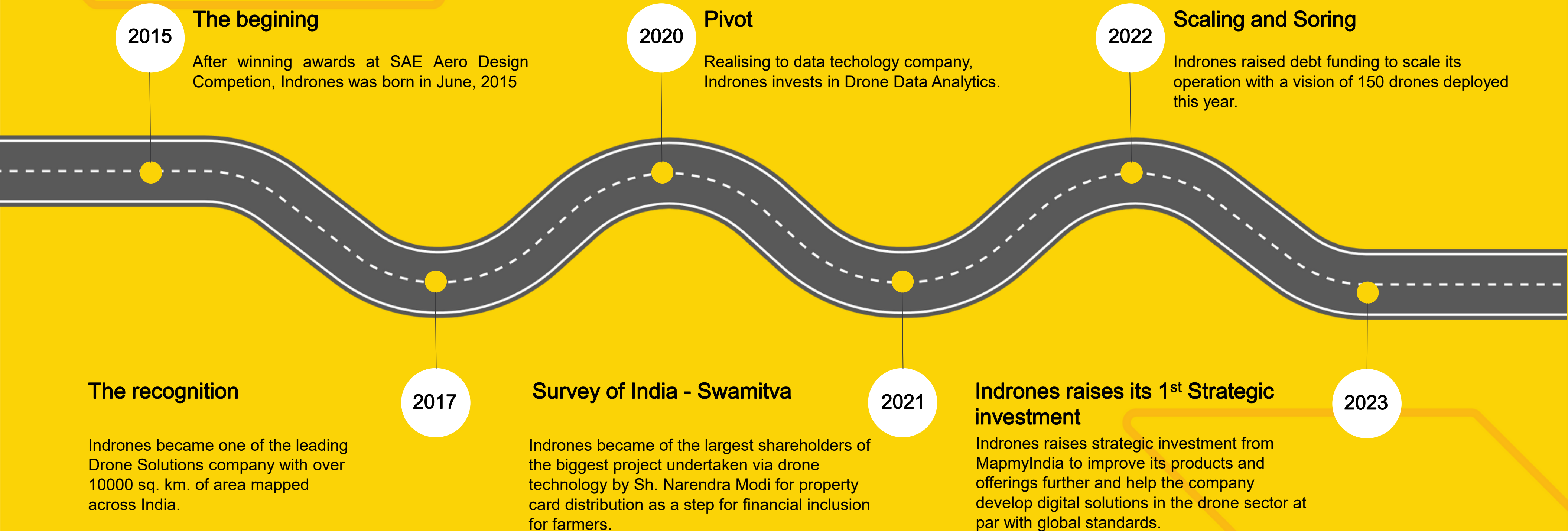
19K+

Linear Km Mapped

MapmyIndia™

Strategic Investor

OUR JOURNEY

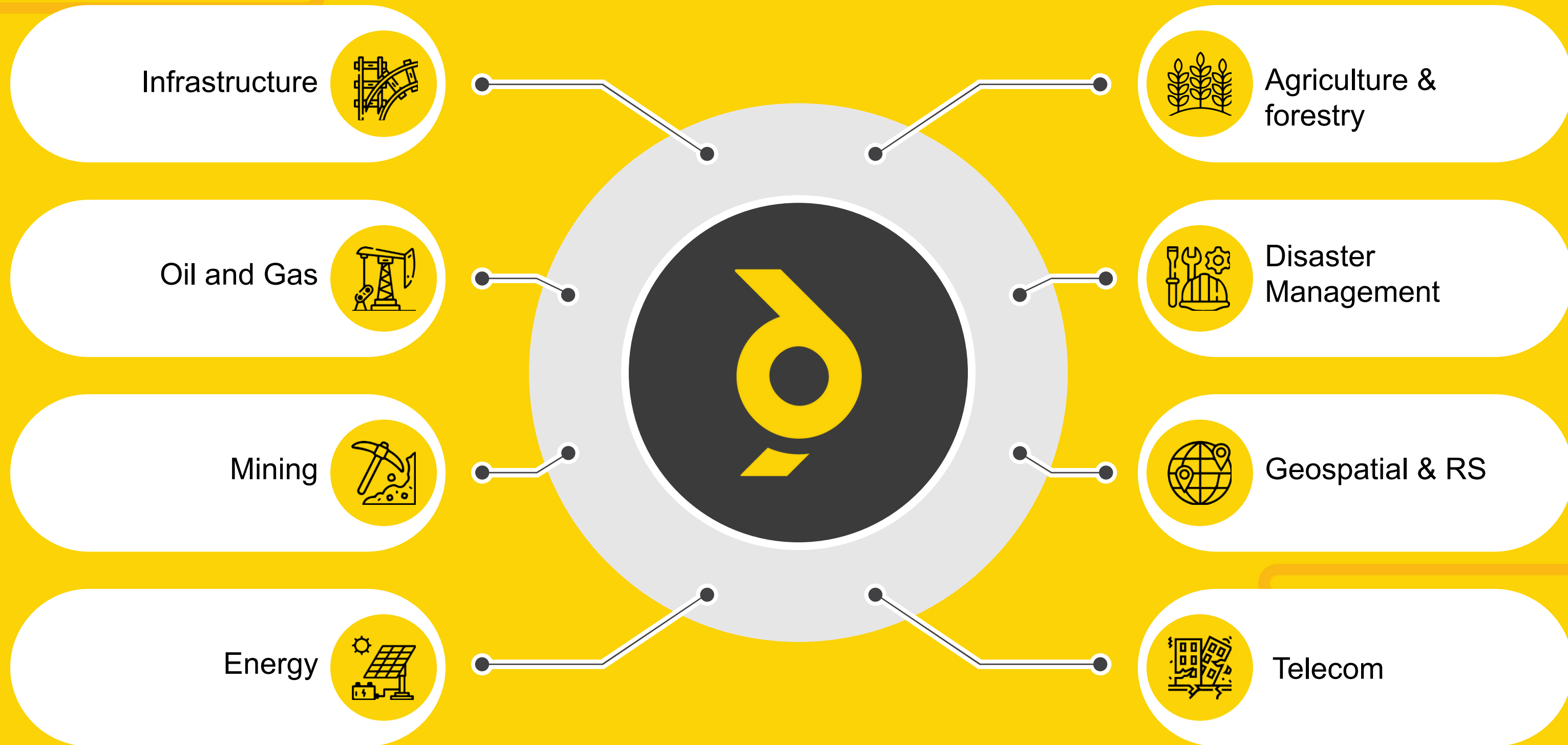


OUR SERVICES





INDUSTRIES WE SERVE



DRONE PRODUCTS



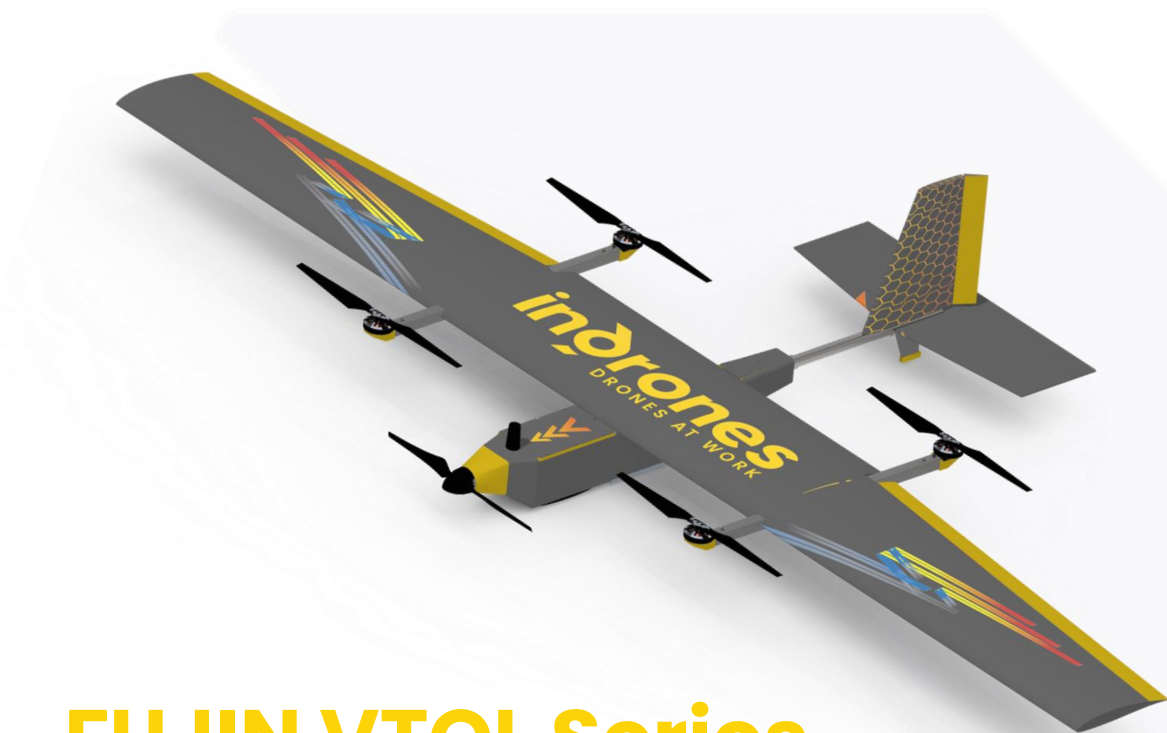
SIGMA 25 Series

DIMENSIONS	-	500*400*250MM
MATERIAL	-	CARBON COMPOSITE
MTOW	-	Less than 2.5 KG
PAYLOAD	-	0.3 KG
ENDURANCE	-	Up to 40 MIN
SPEED	-	10 M/S
RANGE	-	Up to 4 KM LOS
CEILING	-	3500 M
LAUNCH	-	VTOL
RECOVERY	-	VTOL
PAYLOAD	-	RGB (24MP) RGB (20MP) MULTISPECTRAL THERMAL DAYLIGHT PAYLOAD



SIGMA 100 Series

DIMENSIONS	-	800*800*350MM
MATERIAL	-	CARBON COMPOSITE
MTOW	-	4.8 KG
PAYLOAD	-	0.8 KG
ENDURANCE	-	Up to 60 MIN
SPEED	-	13 M/S
RANGE	-	4 KM LOS
CEILING	-	3500 M
LAUNCH	-	VTOL
RECOVERY	-	VTOL
PAYLOAD	-	RGB (24MP) RGB (20MP) MULTISPECTRAL THERMAL DAYLIGHT & NIGHT PAYLOAD HYPERSPECTRAL LIDAR



FUJIN VTOL Series

DIMENSIONS	-	2800*1600*350MM
MATERIAL	-	CARBON COMPOSITE
MTOW	-	7.8 KG
PAYLOAD	-	1.0 KG
ENDURANCE	-	Up to 120 MIN
SPEED	-	17 M/S
RANGE	-	20 KM LOS
CEILING	-	4500 M
LAUNCH	-	VTOL
RECOVERY	-	VTOL
PAYLOAD	-	RGB (24MP) RGB (20MP) MULTISPECTRAL THERMAL DAYLIGHT & NIGHT PAYLOAD LIDAR

SOFTWARE PRODUCTS



PROJECT MANAGEMENT PLATFORM



- Fleet Manageme
- Workflow Management
- Task Management
- Dashboards
- Management Information System
- License & Credit Management
- Second Party App Management
- ACL, IAM & API Management

LIVE STREAMING PLATFORM

- Create Live streaming
- Map View
- PPE detection
- Custom Object Detection
- Crowd Counting
- Analyze & Log local network quality
- Analyze Video Mode
- Custom Reporting
- User Notifications
- File storage over cloud

inFlight[↑].live



VIDEO BASED VISUAL DATA ANALYTICS

I Inspect

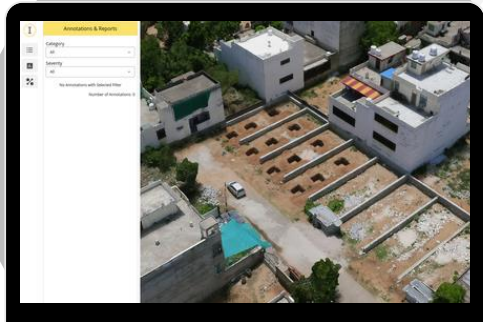


- Map view
- Terrain Flyby
- Download Snapshots
- Feature overlay on video
- Clip video and download
- Auto Sync multiple videos
- Control video stream quality
- User Notifications
- Control video speed
- Indexing based on Timelines
- Crowd counting
- Create Annotations & Media markers

GEOSPATIAL DATA VISUALISATION AND ANALYTICS

- Geotagged images
- File Storage over Cloud
- Base Map Selection
- Workflow Management
- Visualize Terrain
- Create Annotations/ Media markers
- Compare ORIs
- Indexing based Timelines
- Terrain Flyby
- Custom reporting

I Inspect



INSPECT

CASE STUDY: CHANGE DETECTION



21st July 2021



4th August 2021



Change detection

Detecting Changes Between Two Drone Runs
Pipeline Section

DRONE OPERATION PROCESS FLOW



CASE STUDIES **LINEAR SURVEY**

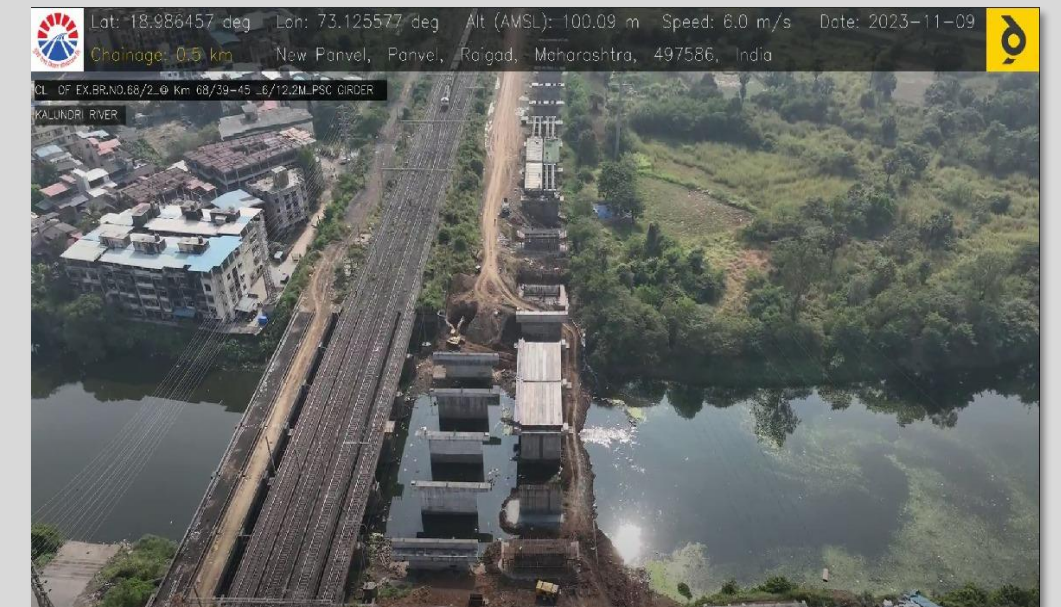


OIL & GAS



- AIM:
 - ✓ Pipeline surveillance
 - ✓ Replace traditional on ground manned surveys to Drone surveys
- DELIVERABLES:
 - ✓ Video Surveillance
 - ✓ Chainage Digitization
 - ✓ Feature Annotation
 - ✓ Encroachment Detection

RAILWAY

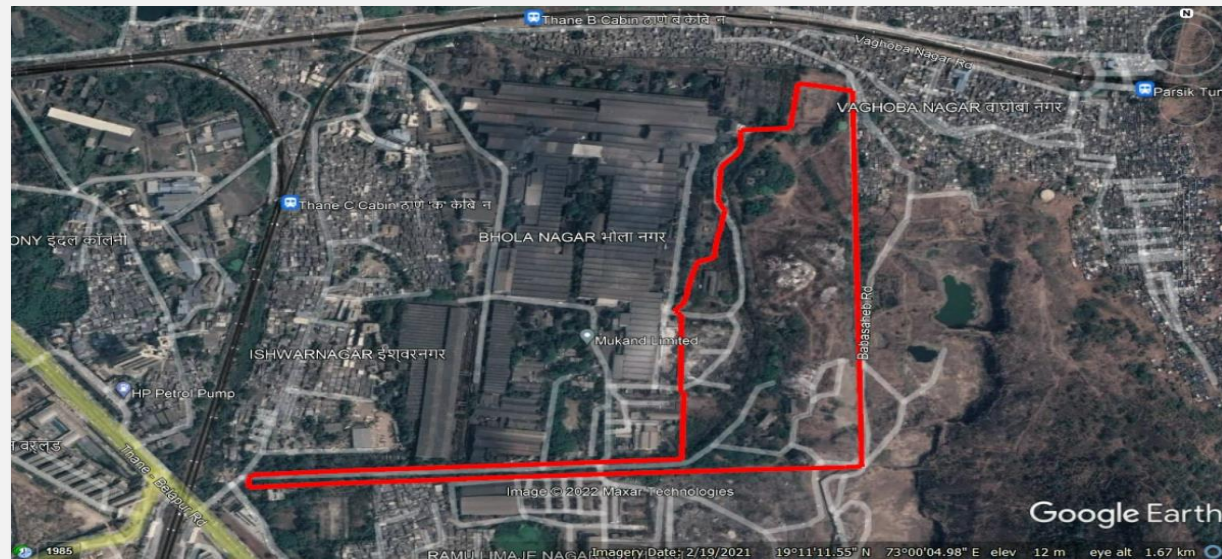


- AIM:
 - ✓ Inspections & Maintenance
 - ✓ Surveying and Mapping
 - ✓ Project Progress Monitoring
 - ✓ Assets Inventory Monitoring , Mapping and Inspection
- DELIVERABLES:
 - ✓ Video Surveillance
 - ✓ Feature Annotation
 - ✓ Encroachment Detection

CASE STUDIES PROGRESS MONITORING

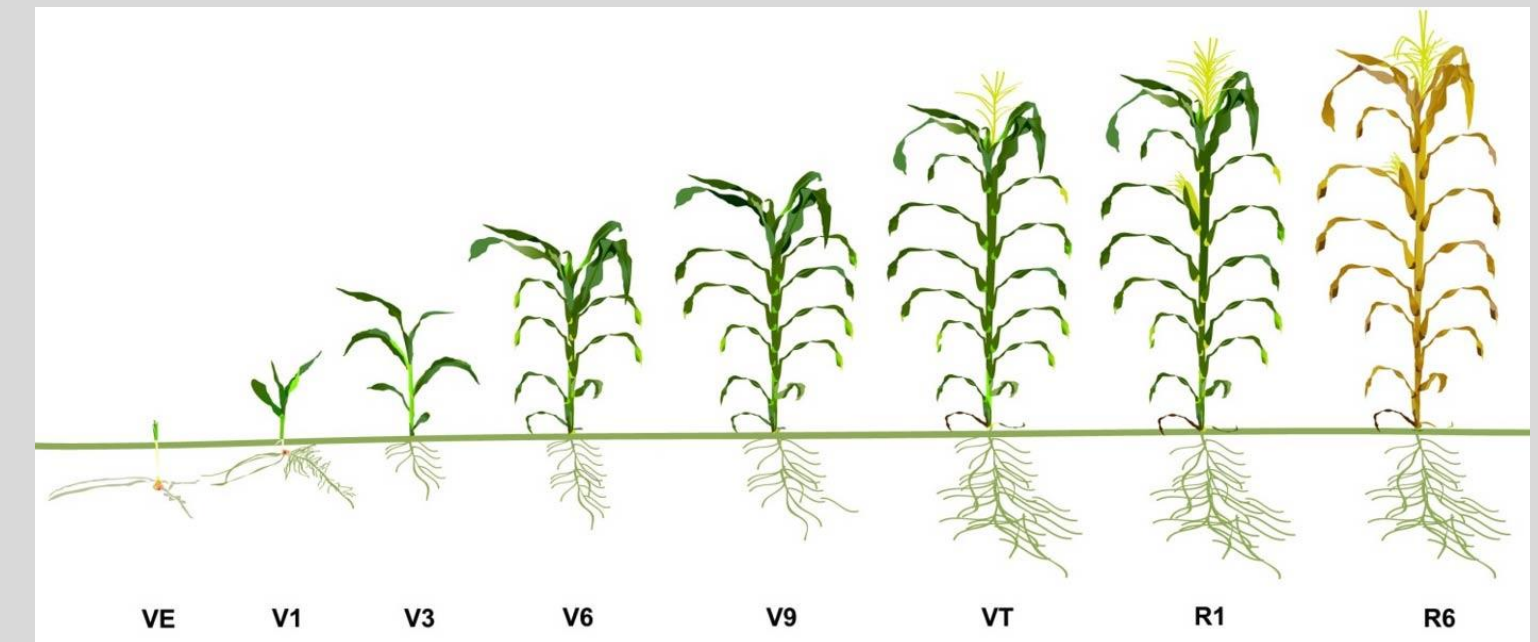


PROGRESS MONITORING



- AIM:
 - ✓ Boundary Demarcation
 - ✓ Data Analytics, Stockpile assessment, report Generation
- DELIVERABLES:
 - ✓ Orthophoto / DTM / DSM / Contour - 1m Interval
 - ✓ Point cloud / 3D Mesh/ Model
 - ✓ Aerial Video with (annotation & editing)
 - ✓ Topographical Map with Feature Extraction
 - ✓ Project Reports For Volumetric Calculation & Stock Pile Analysis

MONITORING OF PLANT GROWTH CYCLE



- AIM:
 - ✓ To conduct mapping using multispectral sensors for Crop Health monitoring.
- DELIVERABLES:
 - ✓ Normalized Difference Vegetation Index (NDVI)
 - ✓ Normalized Difference Red-Edge Index (NDRE)
 - ✓ Chlorophyll Index (CI)

CASE STUDIES **LARGE SCALE MAPPING**



LARGE SCALE MAPPING FOR MULTIPLE DISTRICTS

- AIM:
 - ✓ Large Scale Mapping using drone for Land parcels for multiple districts
- DELIVERABLES:
 - ✓ Data geo-tagged data
 - ✓ Ortho Rectified Image (ORI)
 - ✓ Identification of habitation, roads, water body
 - ✓ Digitization of required features



Area covered
10,000+ Sq Km

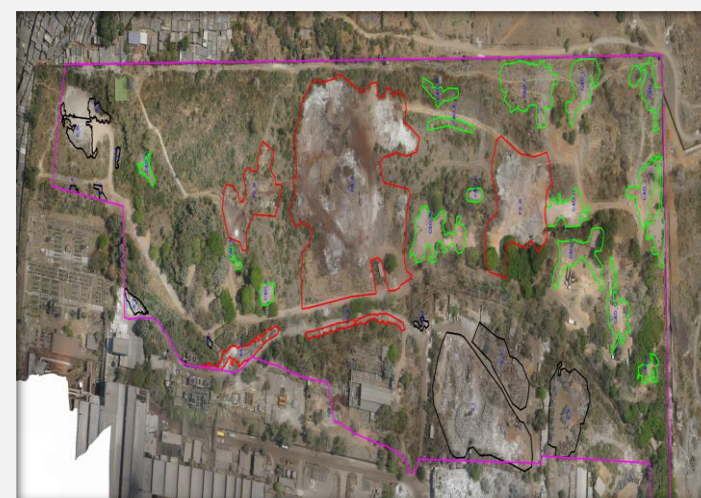
Location
Andhra Pradesh
Karnataka
Rajasthan
Uttar Pradesh

CASE STUDIES MINING



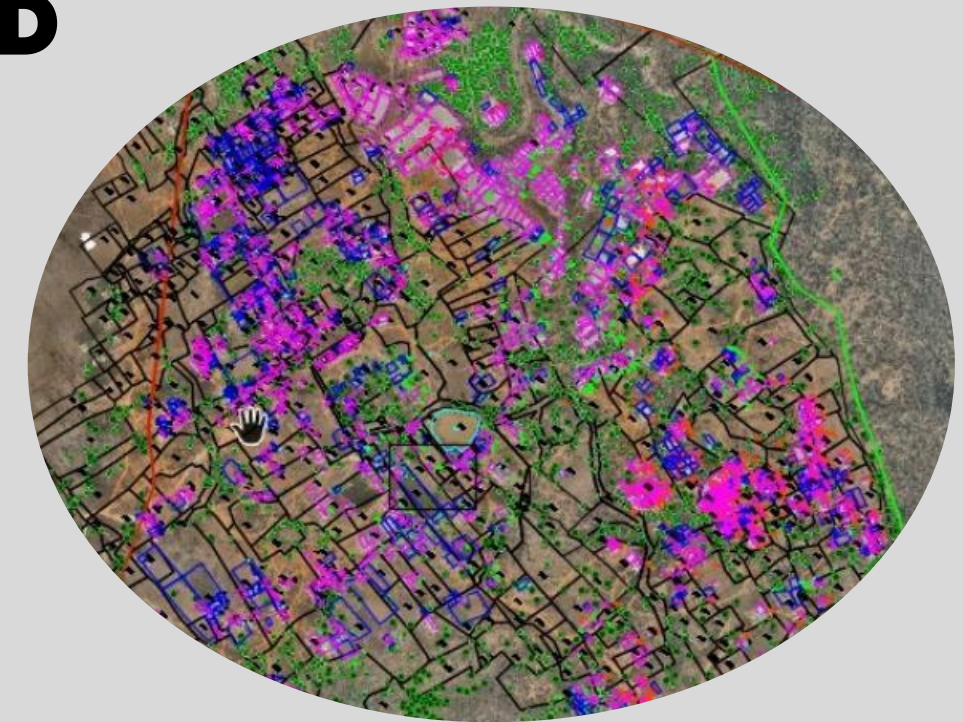
MINING OPS MONITORING

- AIM:
 - ✓ Aerial Surveying and Mapping
 - ✓ Site Safety Management and Change Detection
 - ✓ Stockpile Assessment and Management
 - ✓ Emergency response
- DELIVERABLES:
 - ✓ Orthomosaic / Orthophoto
 - ✓ DSM / DTM / DEM
 - ✓ Volumetric Calculation & Stock Pile Analysis
 - ✓ Point cloud / 3D Mesh/ Model



CADASTRAL MAP BASED ASSET ANALYSES

- AIM:
 - ✓ Aerial Surveying and Mapping
 - ✓ Land acquisition
 - ✓ Identify encroachments and initiate actual claims
 - ✓ Identify type of manmade structure with total area and no. of floors survey
- DELIVERABLES:
 - ✓ Ortho mosaic with less than 5cm GSD
 - ✓ DGPS survey
 - ✓ Aerial Videography
 - ✓ Khasra Superimposition

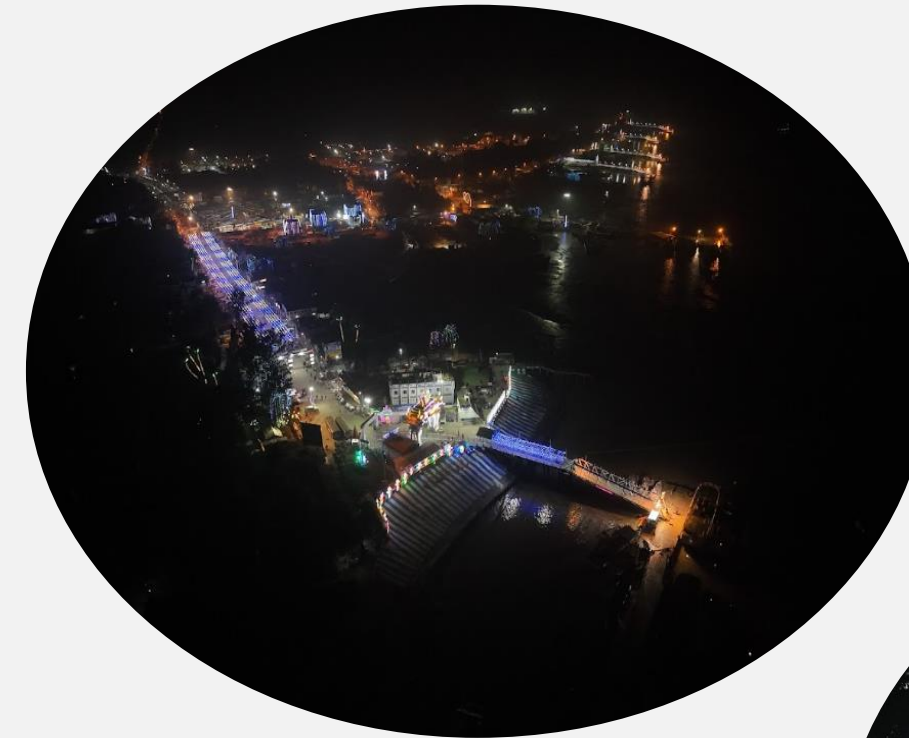


CASE STUDIES CROWD MONITORING



DISASTER MANAGEMENT

- AIM:
 - ✓ Monitoring and tracking crowd movement and other resources deployed using drones.
 - ✓ Day & Night Surveillance for Crowd monitoring and tracking & Rescue Operations
- DELIVERABLES:
 - ✓ Real time Video Surveillance
 - ✓ Live Feed Of Drone Data On Multiple Live TVs/Screens and using AI Platform

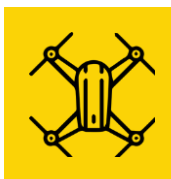


CLIENT TESTIMONIALS



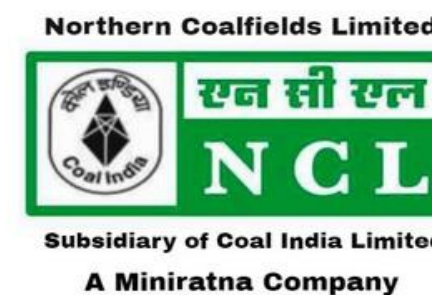
"Indrones is one the most innovative company we have come across with their focus on customer problem solving. SCCL became on the leading Mining companies in India to deploy Drones for topographic surveying, pre-mining surveys and land acquisition strategies for new lease areas"

- GM, Surveys, SCCL



"Indrones has become our internal drone partner with strategic and flexible offerings with great team of experts ready to explore new innovative use of Data collected through drones for our hazard management applications."

- Head, Surveying, Pioneer Foundation Engineers



THANK YOU

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