

Item No.: 13
Date: 01 2024 MAY

On Fri, Apr 26, 2024 at 11:37 AM Donald Ugsang <donald@droneentry.com> wrote:

Dear Jill,

Good morning.

Please find the attached company profile in PDF format. I would kindly request for a projector or TV screen to project my presentation at the meeting.

Please acknowledge receipt of this email.

Thank you very much.

Best regards,



Dr. Donald M. Ugsang
DroneEntry (Thailand) Co., Ltd.
+66 83 242 6967 (TH)
+63 969 468 6968 (PH)
donald@droneentry.com

Fwd: Exploring Collaboration with the Provincial Government of Leyte Inbox



Jill Sydiongco Uyvico
to me

8 11AM (2 minutes ago) ☆

Sent from my iPhone

Begin forwarded message:

From: Jill Sydiongco Uyvico <jillsyd@gmail.com>
Date: April 26, 2024 at 3:20:18 PM GMT+8
To: Donald Ugsang <donald@droneentry.com>
Subject: Re: Exploring Collaboration with the Provincial Government of Leyte

Dear Dr. Ugsang,

Acknowledging receipt of your email and attached document. Yes we have a TV to project your presentation on Tuesday Apr 30.

Thanks,
Florinda Jill Sydiongco Uyvico
Office of the Vice-Governor



Powered By



Thailand's First Deep Tech Drone Company

Company Profile





01

About Us


CONFIDENTIAL

LOCATIONS
Thailand, Dubai,
Switzerland

POTENTIAL LOCATIONS
Malaysia, Philippines,
Indonesia, Cambodia



*A Complete Drone
Solution Provider*



INDUSTRIAL & MILITARY GRADE
DRONES, SENSORS & ACCESSORIES



ENTERPRISE SOLUTIONS FOR
DRONE SURVEY & DATA ANALYTICS



PROFESSIONAL
DRONE - CENTRIC COURSES



CUSTOMIZABLE
WEB & MOBILE SOLUTIONS

CONFIDENTIAL



DRONE ENTRY

Deep Tech Drone Company



COMMUNITY BACKED & PROMOTED

Top Management by AIT Alumni

Prateek Srivastava
Founder and CEO
RS/GIS, Batch 2007 - 09

Dr. Donald M. Ugsang
President
RS/GIS, 1995 & 2000



CONFIDENTIAL

GLOBAL PRESENCE.



 **DroneAcharya Office Locations**

CONFIDENTIAL





02

Our Products

CONFIDENTIAL

Arya

*One Machine for Multiple Purposes,
Speeding Up the "Sharing Economy" Era*

**Professional & Powerful
& Lightweight**



**Smart Remote Controller With A
Flight software that enables the
drone to operate**

**A One-Stop Drone Live
Broadcast Cloud
Platform**



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58 mins
Max Flight Time

5000 m
Max Takeoff Altitude

3 kg
Payload Capacity

12.5 m/s
Wind Resistance



**Automatic patrol
inspection**



**Automatic return and
precision landing**



**AI intelligent object
recognition**



**Advanced
networking mode**

One Drone, Multiple Payloads



Quadra Sensor

Wide-angle visible light, zoom, infrared thermal camera & long distance laser camera



1K-Dual Sensor

1K infrared, 1-inch CMOS visible light camera having 48 MP resolution



300 Dual Sensor

Day and Night camera with 640x512 res. thermal sensor and 48 MP optical camera



8K Sensor

Wide-angle visible light, zoom, infrared thermal camera & long distance laser camera



LiDAR Sensor

Compact 3 - return LiDAR system with 26 MP RGB sensor and GNSS & high-precision IMU



Delivery Kit

Weighing 320 gm, the delivery kit can carry and deliver four individual items at a time.



Floodlight

Comprised of 4 separate lights that can illuminate an area of up to 1,225 square meters



Megaphone

Long-range acoustic device, robust sound penetration, excellent magnetic shielding, high sound pressure

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Lander

Autonomous Drone Docking Station

Precision Day and Night Landing

Achieve high landing accuracy through fusion computing of accurate landing and flight control on an onboard platform.

Fully Automated Operations

Enables the Drone to automatically complete complex missions on the operation site without supervision.

Onsite monitoring

Operate as scheduled and return results automatically to command center to manage everything on site remotely.

240 Kg
TOTAL WEIGHT

8 Km
INSPECTION RADIUS

12 Times / Day
DAILY OPERATION

IP54
PROTECTION RATING



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Agro Series

*Agricultural Spraying Drone for
Insecticides & Pesticides*



APPLICATIONS



**Modular Design,
Quick Assembly**



**Adept for Day &
Night Operation**



**Real Time Kinematic
Trajectory Corrections**



**Robust Flight Controller For
Autonomous Flight**

12 | 16 | 20
LITRES TANK CAPACITY

33 MINUTES
FLIGHT TIME

Upto 50
ACRES PER DAY COVERAGE

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Sparrow Series

Defense Grade Tactical FPV (First Person View) Drones for Combat



APPLICATIONS



Search and Rescue Operations



Kamikaze



Surveillance



Training

120 kmph
RAPID FLIGHT SPEED

45 MINUTES
FLIGHT TIME

Upto 20 kms
TRANSMISSION RANGE

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BOTS: GROUND BASED

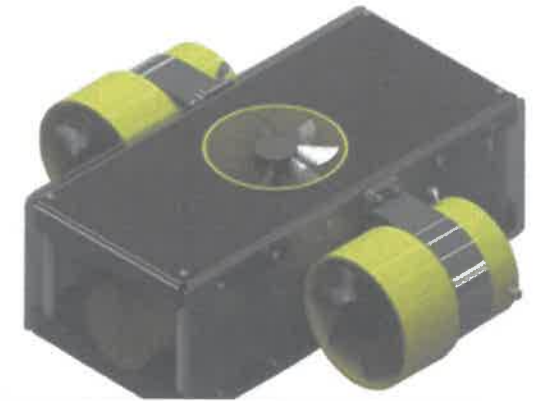


GRIDBOTS HYDRA

go up to a depth of 300 meters

8 thruster UUV

Sensor equipments:
camera's – depth sensors – Sound Modems & sampling robotic arms.



GRIDBOTS UNDERWATER BOT

Inspection

Surveillance

LED Lumination



GRIDBOTS SAUSR GAMMA

go up to a depth of 250 meters

Carry Weight Up to: 1 Tonne

Twin Track

All Terrain



03

Our Services



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Precision Agriculture

Using Drones, Multiple Sensors & AI

WEED DETECTION
MAPPING, COUNT



CROP COUNT
INVENTORY UPDATE



REACT QUICKLY
TO THREATS
(WEED, PESTS)

SAVE TIME
(VALIDATE
TREATMENT /
ACTIONS TAKEN)

OPTIMIZE INPUTS
(SEED, NITROGEN,
WATER)

NDVI

CROP
ROBUSTNESS
OVERALL HEALTH

CCCI

CHLOROPHYLL
CONTENT
PLANT GREENNESS

CWSI

WATER STRESS
DEFICIENCY /
EXCESS

CONFIDENTIAL

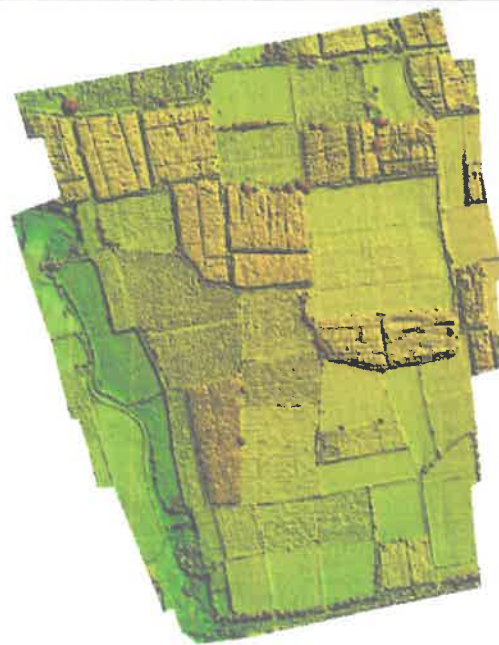
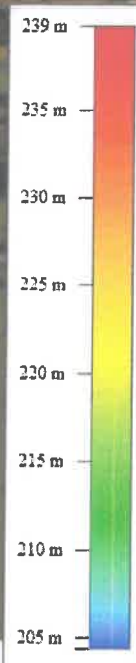
CASE STUDY

We Have Completed Drone Based Crop Health Monitoring For Carbon Financing for World Bank

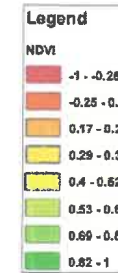
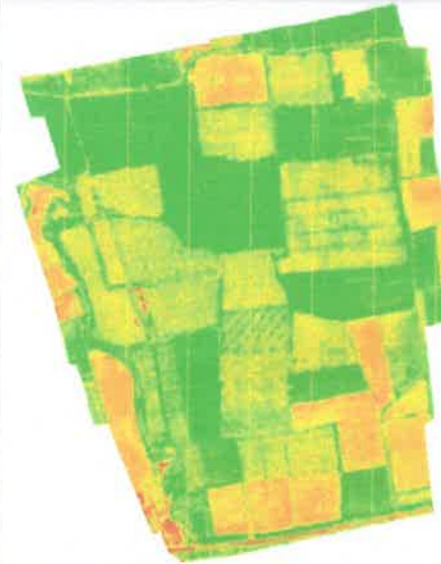
PROJECT DETAILS

2,000
HECTARES
OF CROP AREA

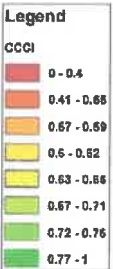
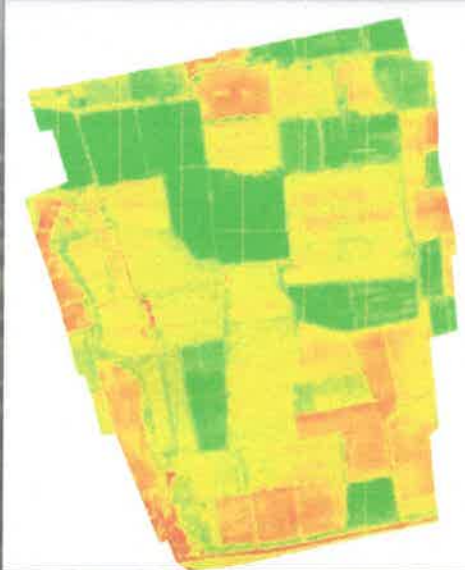
39
VILLAGES
COVERED



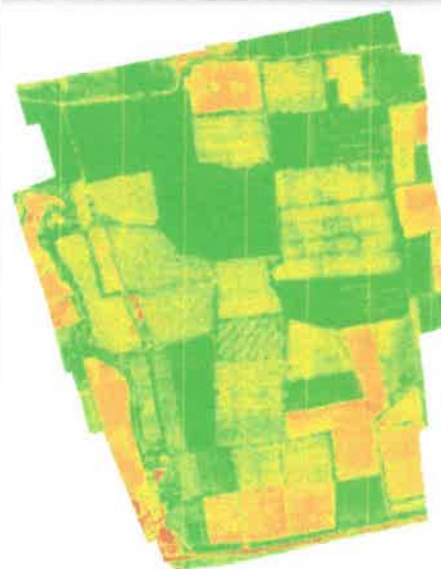
Normalised Difference Vegetation Index (NDVI)



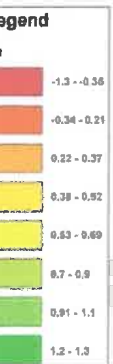
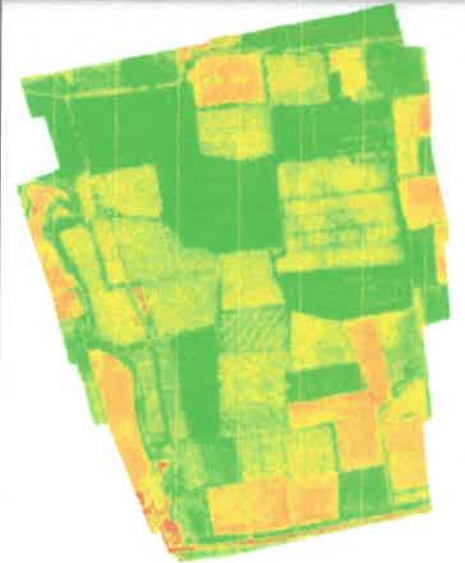
Canopy Chlorophyll Content Index (CCCI)



Enhanced Vegetation Index (EVI)

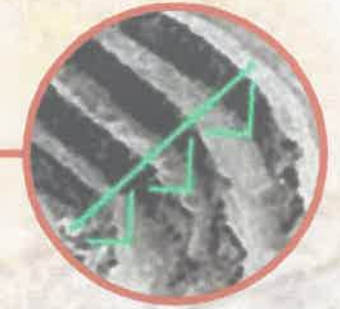


Leaf Area Index (LAI)



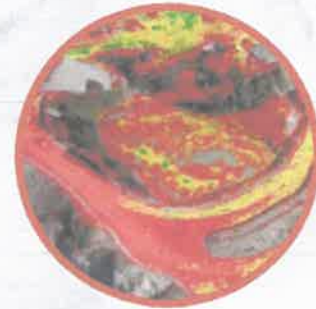
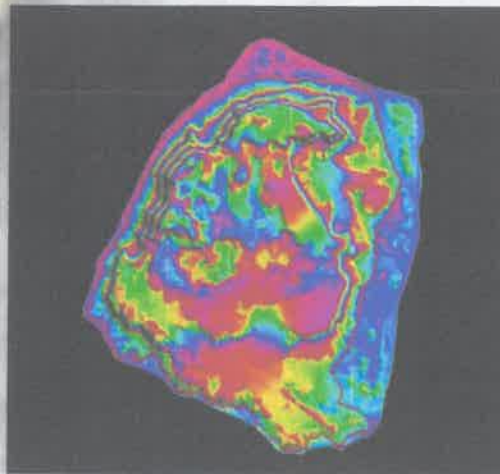
Highly Scalable & Efficient Drone Based Mining Solutions

**HAULAGE ROAD
WIDTH MEASUREMENT
TO MAINTAIN SAFE
TRAVERSING CONDITIONS**

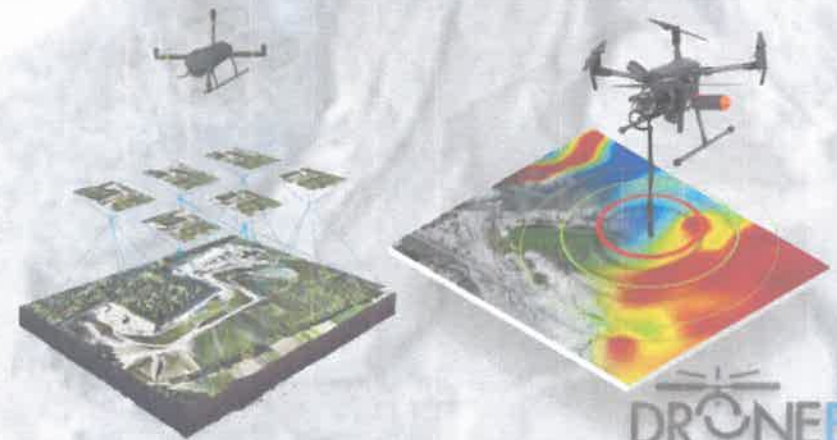


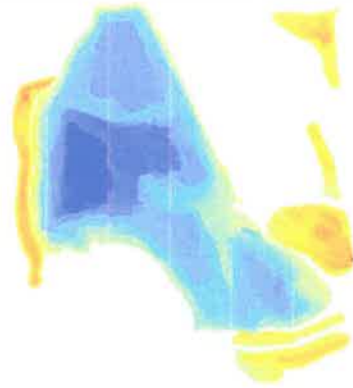
**RAMP CONDITION ASSESSMENT
THROUGH SLOPE ANGLE MEASUREMENT**

**ACCURATE 3D MODELING FOR
VOLUME ESTIMATION**



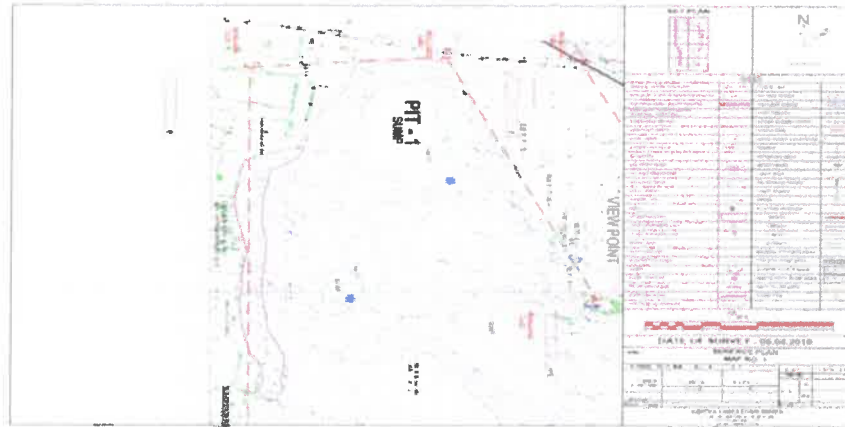
**SLOPE STABILITY STUDIES
FOR ACCIDENT PREVENTION**





Drone Based 3D Modeling of Mines

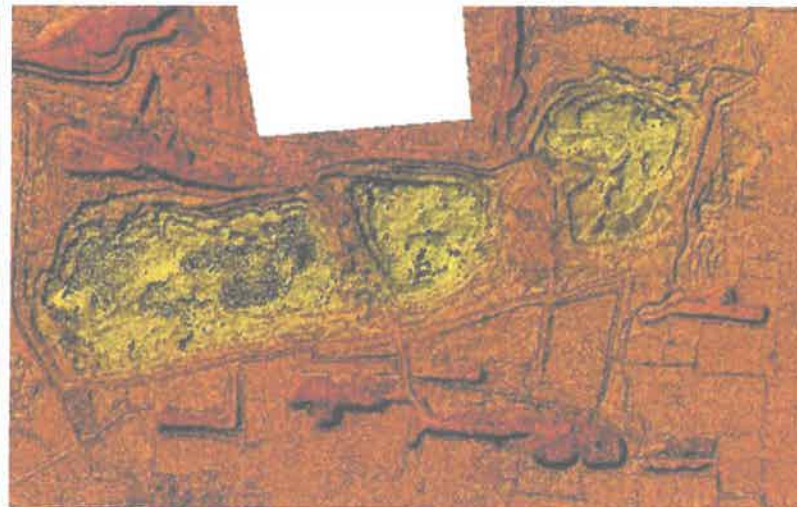
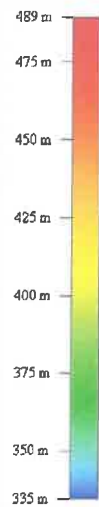
For Creating Updated Maps & Periodic Reports



FASTER DATA
CAPTURE

ULTRA HIGH
RESOLUTION
OUTPUTS

SAFE, RELIABLE
& EASILY
DEPLOYABLE



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DRONEENTRY

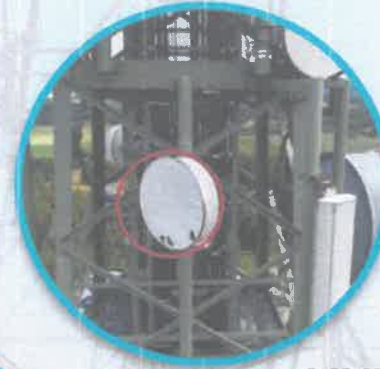
Asset Monitoring

Using Drones, Multiple Sensors & AI

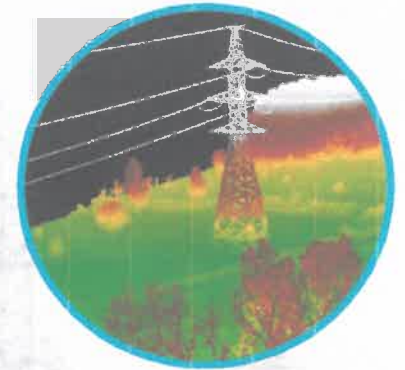
PHYSICAL DAMAGE
BROKEN INSULATION,
MISSING PARTS



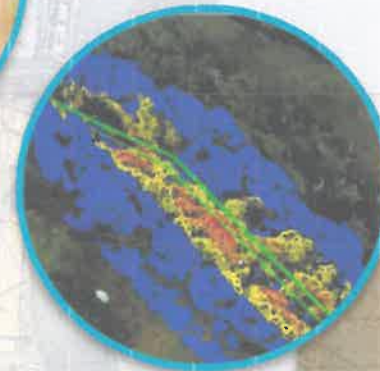
WEAR & TEAR DETECTION
RUST, CORROSION, CRACKS



LINE SAG DETECTION
FOR LINE CLEARANCE



ENCROACHMENT DETECTION
DUE TO VEGETATION, MAN - MADE
STRUCTURES



**DASHBOARD FOR ASSET
MANAGEMENT**
CENTRALISED REPOSITORY FOR
ALL SURVEY DATA AND REPORTS

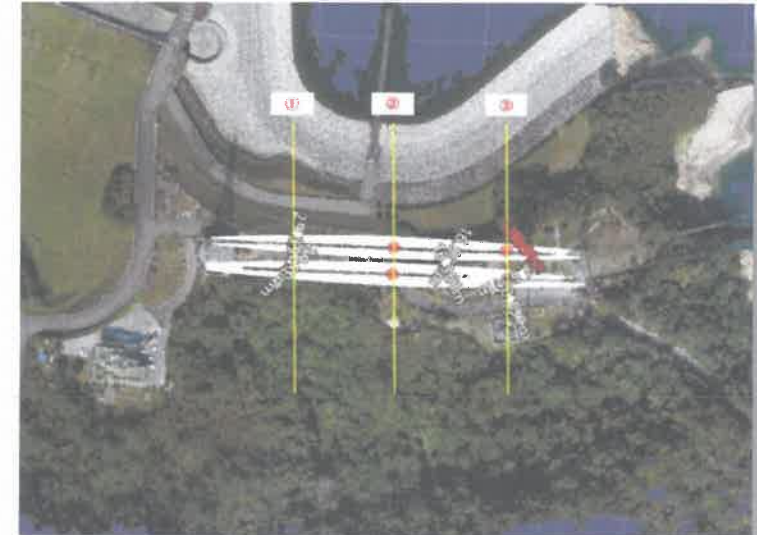


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Drone Based Visual RGB + LiDAR Powerline Inspection

Colorized Point Cloud



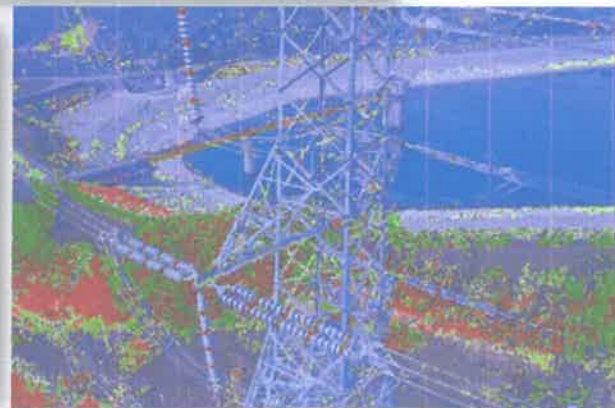
Distance Calculated Report

Line Name:

Area Distance: 225m Calculated Condition: Rolling

Area	Survey Date	Last Survey Date	Type	数量	Minimum separation point			Remarks
					Distance (m)	X(m)	Y(m)	
1	2019年1月	2019年1月	Vegetation	1	29.204	3.335	29.013	
2	2019年1月	2019年1月	Vegetation	1	18.361	6.547	14.994	
3	2019年1月	2019年1月	Tower	1	30.197	28.815	9.032	

Powerline Distance Calculation



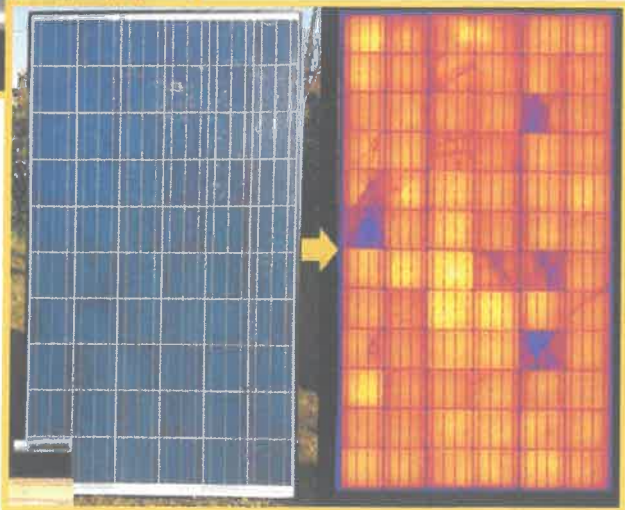
EASILY DEPLOYABLE & ACTIONABLE SOLUTIONS FOR Renewable Energy

SOLAR PANELS



**HOTSPOT DETECTION
DAMAGE REPORTS**

**PV CELL DAMAGE
DETECTION**
SPOT DAMAGES THAT
CANNOT BE ASSESSED
THROUGH NAKED EYE



WINDMILLS

**STRUCTURAL
DAMAGES
DAMAGE REPORTS**



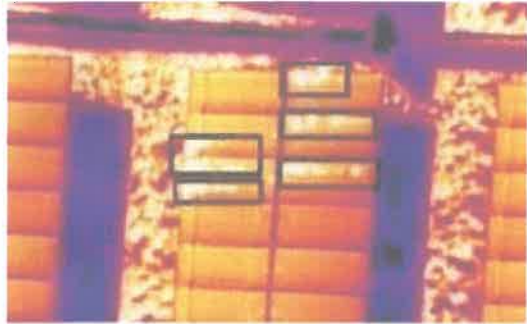
**INSIGHTFUL
HEALTH
REPORTS**



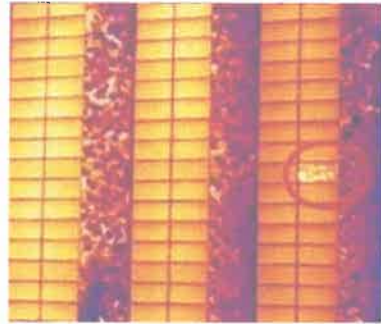
DASHBOARD FOR ASSET MANAGEMENT
CENTRALISED REPOSITORY FOR ALL SURVEY DATA
AND REPORTS

Drone Based Radiometric Thermal Survey of Solar Farm

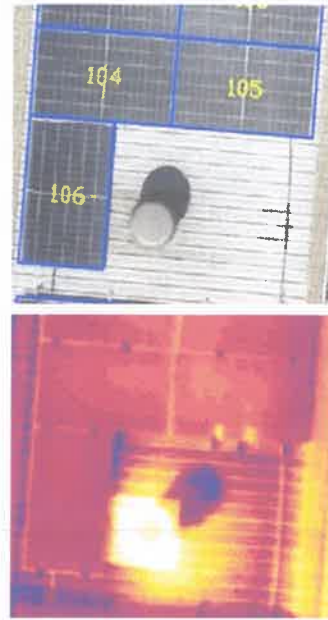
CASE STUDY



HOTSPOT DETECTION



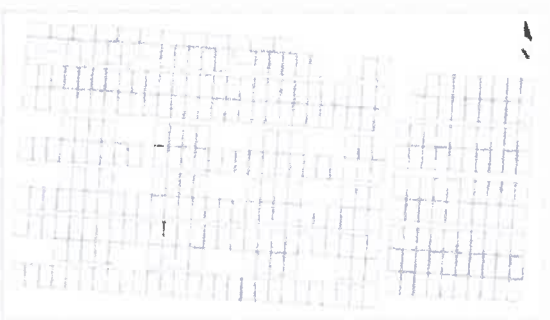
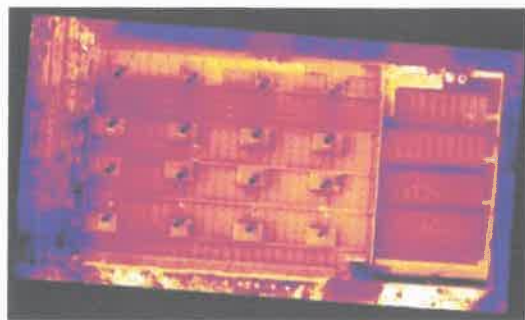
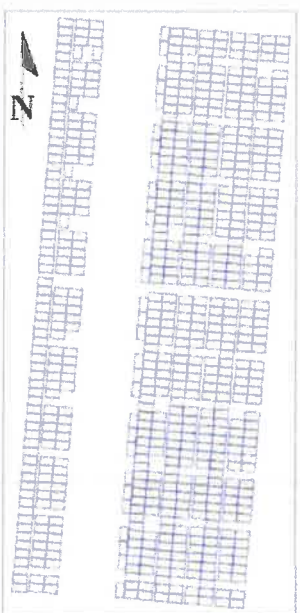
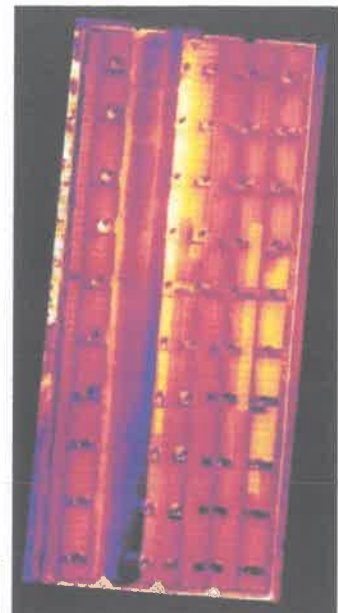
CRACKED PV CELLS



SHADOWING



ACTIVE DIODE PASS



**CREATE HIGHLY ACCURATE &
LOCALISED**

AIR QUALITY PROFILES

Air Pollutant Mapping

Pipeline & Tank Inspection

Hyper-local Air Pollutant Mapping



Weight

400g - 500g



Compatible with:

Drones, Helicopters, Ground Vehicles



Size

157 x 103 x 87 mm

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SNIFFER4D



AERIAL PLATFORM



DATA ANALYSIS



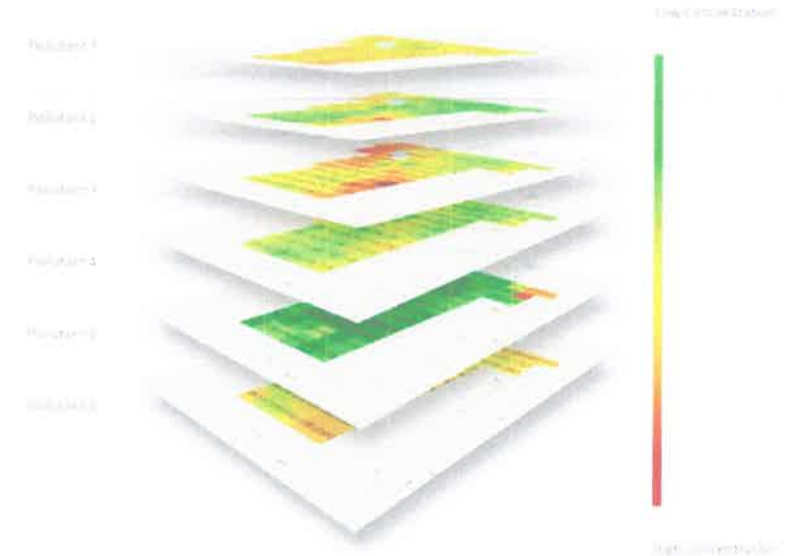
CLOUD SYNC



SHARE REPORTS

POLLUTANTS

Inhalable PM 2.5 & 10.0
SO₂ | H₂S
PM 100
O₃+NO₂ | VOCs | NH₃
H₂ | CO | HCl
Flammable Gases



DRONEENTRY
FLY. CONNECT. GROW.

DRONE + ECHOSOUNDER

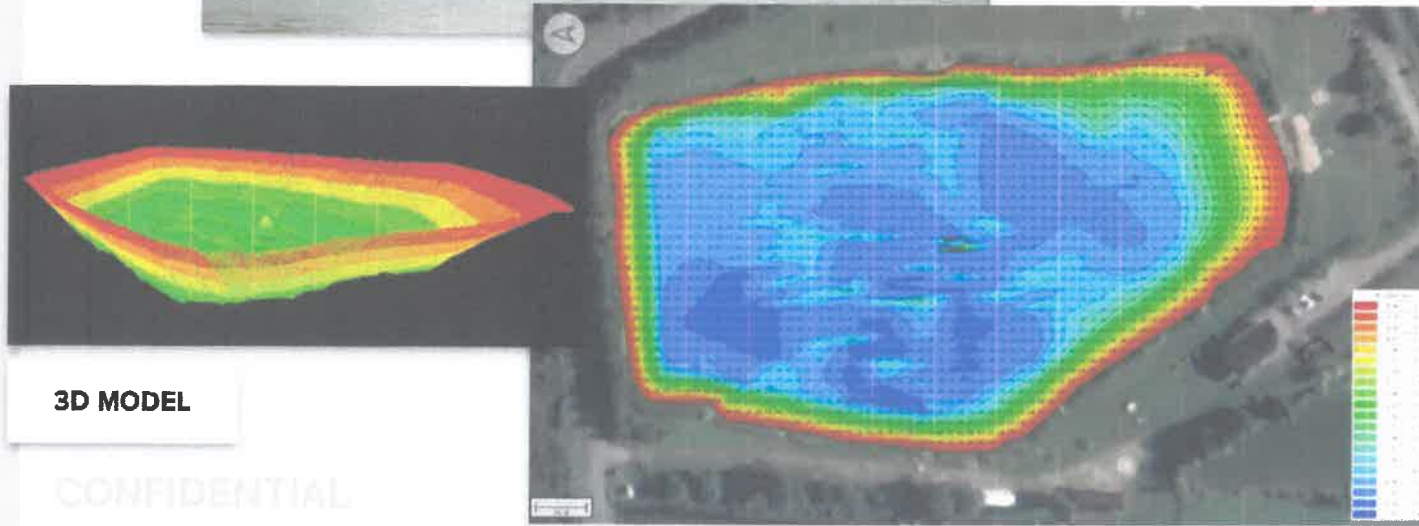
FOR BELOW WATER SURVEY

www.droneentry.com

**Bathymetry Integrated
Systems Solution**



**Echo Sounder
Sensor**



3D MODEL

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- 01 3D MODELING
- 02 HIGH RESOLUTION INSPECTION
- 03 **BETTER PLANNING OF SURVEY ACTIVITIES**
Through accurate and updated data insights.

WATER DEPLETION ASSESSMENT

BATHYMETRIC ANALYSIS

DUAL FREQUENCY

460 g

MEASUREMENT RANGE 0.5 to 200m

2.5 m CABLE

COMPATIBILITY
PIXHAWK
OPERATED

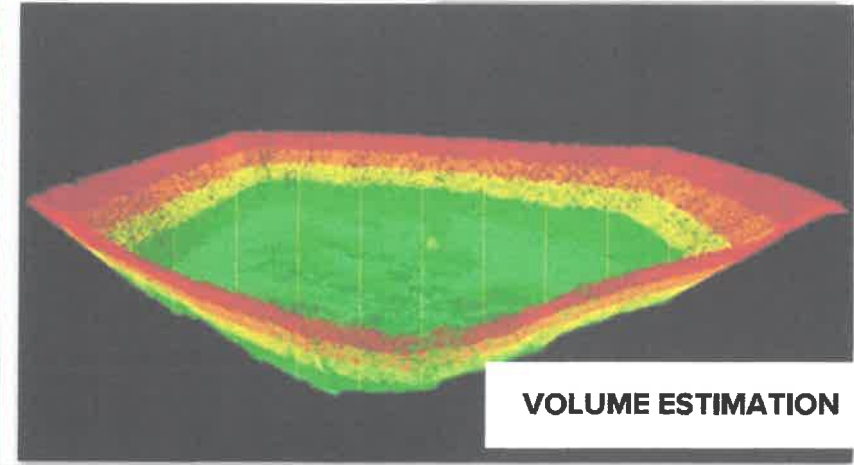
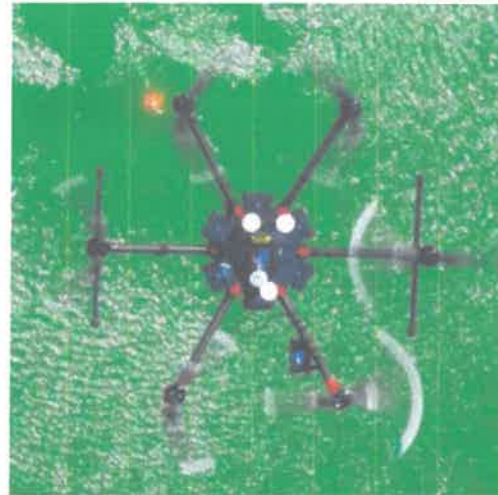
DEPTH REPORT



ECHO SOUNDER



SETUP

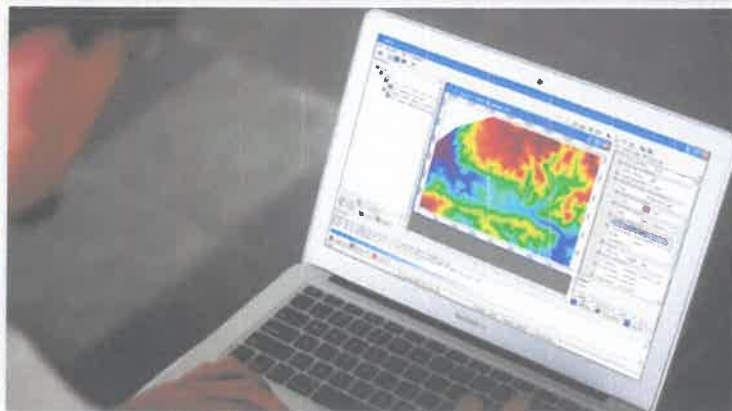
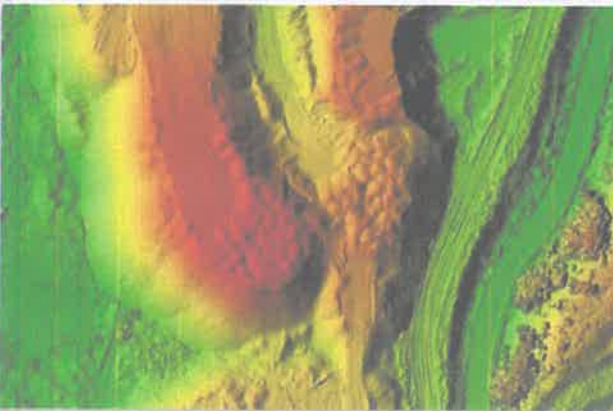
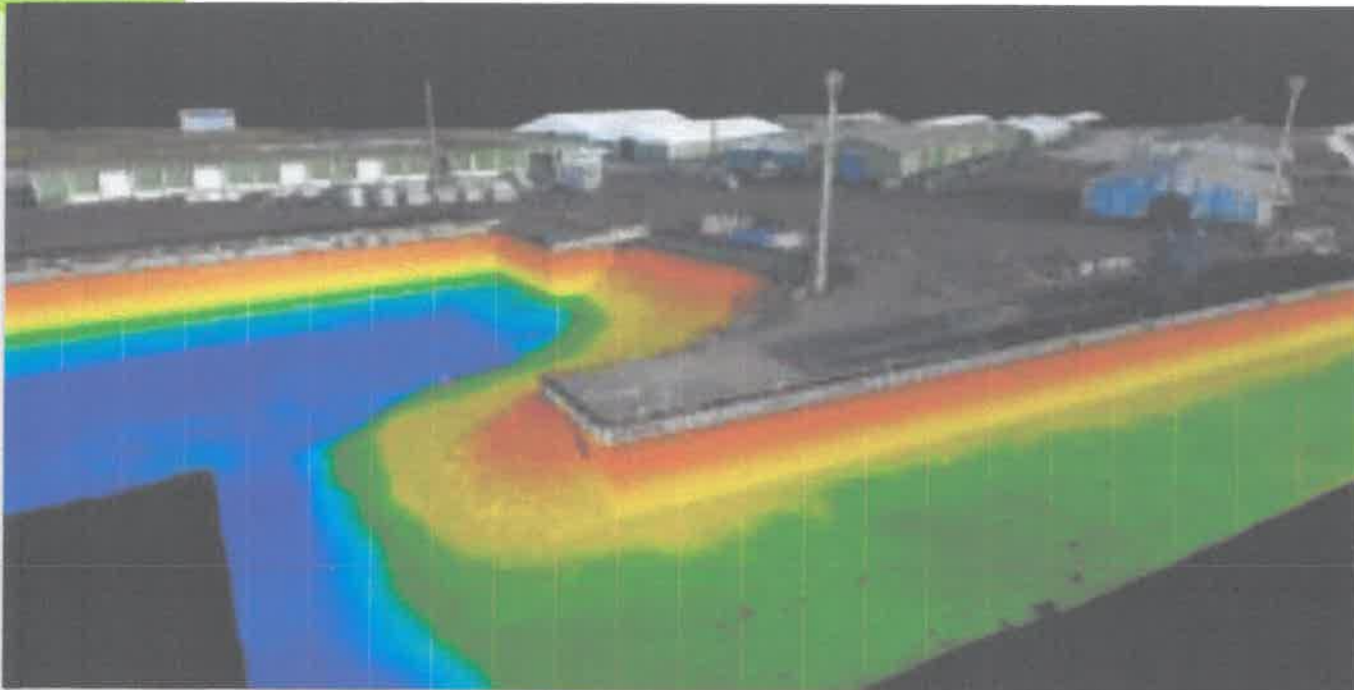


VOLUME ESTIMATION



UTAH'S GREAT SALT

EMPLOYING RS TO GET
DEPLETION LEVEL OVER
DECADES



DIGITAL SURFACE MODEL OF WATER BOUNDARIES

- 01 ASSESS SLOPE OF WATER BODIES**
Precise models of shores with terrain analysis
- 02 CREATE SITE SUITABILITY MAP**
For determining operability of in-land construction
- 03 CHECK FEASIBILITY**
Regulatory Check for a Healthy Shore Site
- 04 SHORE DESIGN & PRECONSTRUCTION PLANNING**
Final analysis of surroundings to present design plans

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04

Training Modules

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Drone Centric Courses

Drone Pilot Training

A complete theory, simulator and onground training



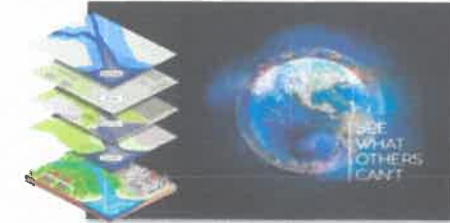
Drone Building

Learn how to build customized drones



Drones & GIS

Learn how to process Drone data and use it in your projects



Aerial Cinematography

Learn the subtle art of shooting aerial films



Python for GIS

Code Algorithms and Data Structures for GIS Apps



Drone Racing

Become a maestro in drone racing and develop racing skills



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DRONEENTRY

Presented by DRONIAKARYA

Drone Centric Courses

Drones in Agriculture

Learn how drones can be used in Agriculture



Drone in Disaster Management

Learn how drones can be used in pre and post disasters



Customized Courses

We can modify and create new drone courses for you based on your requirements

Develop skills needed to become

Market Ready

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DRONEENTRY
FOR ALL
Powered by  DRONE ACADEMY™

Drone Pilot Training @



105 Students Trained On Campus

1500 Target Students in next 12 months

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Workshop For Local Government Units @



Workshop conducted for Local Govt. Units from Agriculture & Irrigation Background



Session details: Introduction to Drones for applications in Agriculture & Irrigation

80

Govt. Employees Trained

250

Target Candidates in 12 Months



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DRONEENTRY
Powered by **DRONEACHARYA**



DRONEENTRY™

CONNECT WITH US!

Dr. Donald M. Ugsang

President - International Business

Tel: +66 83 242 6967

Email: donald@droneentry.com

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