



2021

SKYEYE



SKY 20 EYE 21

**OVER 1500 HECTARES OF LAND
SURVEYED FROM THE SKY IN 2020!**

**Licensed Drone Operator by the
Civil Aviation Authority Of Sri
Lanka**

**SkyEye's Drone Fleet is fully
insured.**

SkyEye (Pvt) Ltd

100 Barnes Place, Colombo 7, Sri Lanka

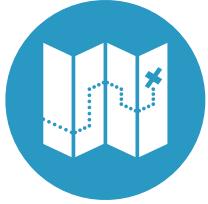
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SKYEYE

WHAT WE DO



Aerial Mapping



Aerial Construction Progress Reporting



Pre Construction Planning Mapping

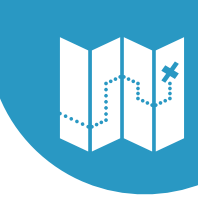


Multi-Spectral Agricultural Mapping



Virtual Tour Design





AERIAL MAPPING

High resolution orthographic imagery from drones.

PROPERTY MAPPING

Get a detailed overhead view of the area you want to be mapped with digital imaging provided by our drone surveying technology. Our unique flight methodology & advanced equipment bring customers a first-class land surveying & land mapping experience at a fraction of the time & cost taken by a traditional land surveyor.

Through our camera & sensor equipped drones, we can provide you with highly detailed orthographic (accurate & measurable) maps, commercial property surveys, property inspection, drone mapping & contour surveying, & aerial photography & videography.

Our services are used by property developers, engineers & lawyers, when high resolution, accurate land maps are required. Our creative content can supercharge your marketing teams strategy.

Our aerial mapping outputs are:

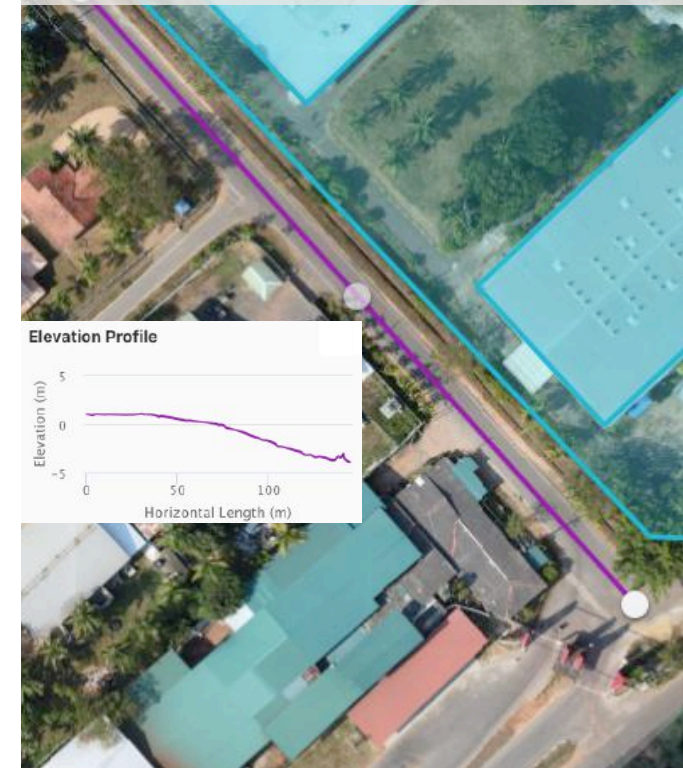
- Orthomosaic Map (.tiff file)
- 3D Topographical Map (.obj 3d file)
- Digital Surface Model (.tiff file)
- Custom road & features map (.tiff or .jpeg file)

Get in touch with us today to learn how drones can help you map our & visualise your property.

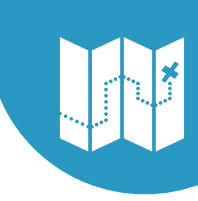


SkyEye map (left) vs Google Map (right). Our resolution far exceeds that which is available on Google Maps

SkyEye's orthographic maps allow for precise measurements, such as this roads elevation profile.



SkyEye orthographic map with land plot divisions, giving total amount of hectares & perimeter measurement.



AERIAL MAPPING CASE STUDY: NATURAL COCO ANA

Survey factory premises to obtain roof measurements for architect & inspect factory layout for upper management.

Time to survey 4.6 hectares : 20 minutes

Time to process data: 2 hours

Time to annotate & prepare report: 2 hours & 40 minutes



SkyEye orthographic map of Natural Coco Ana factory for roof measurements & elevation mapping. Map resolution is 1.8cm/pixel, spanning 4.6 hectares.

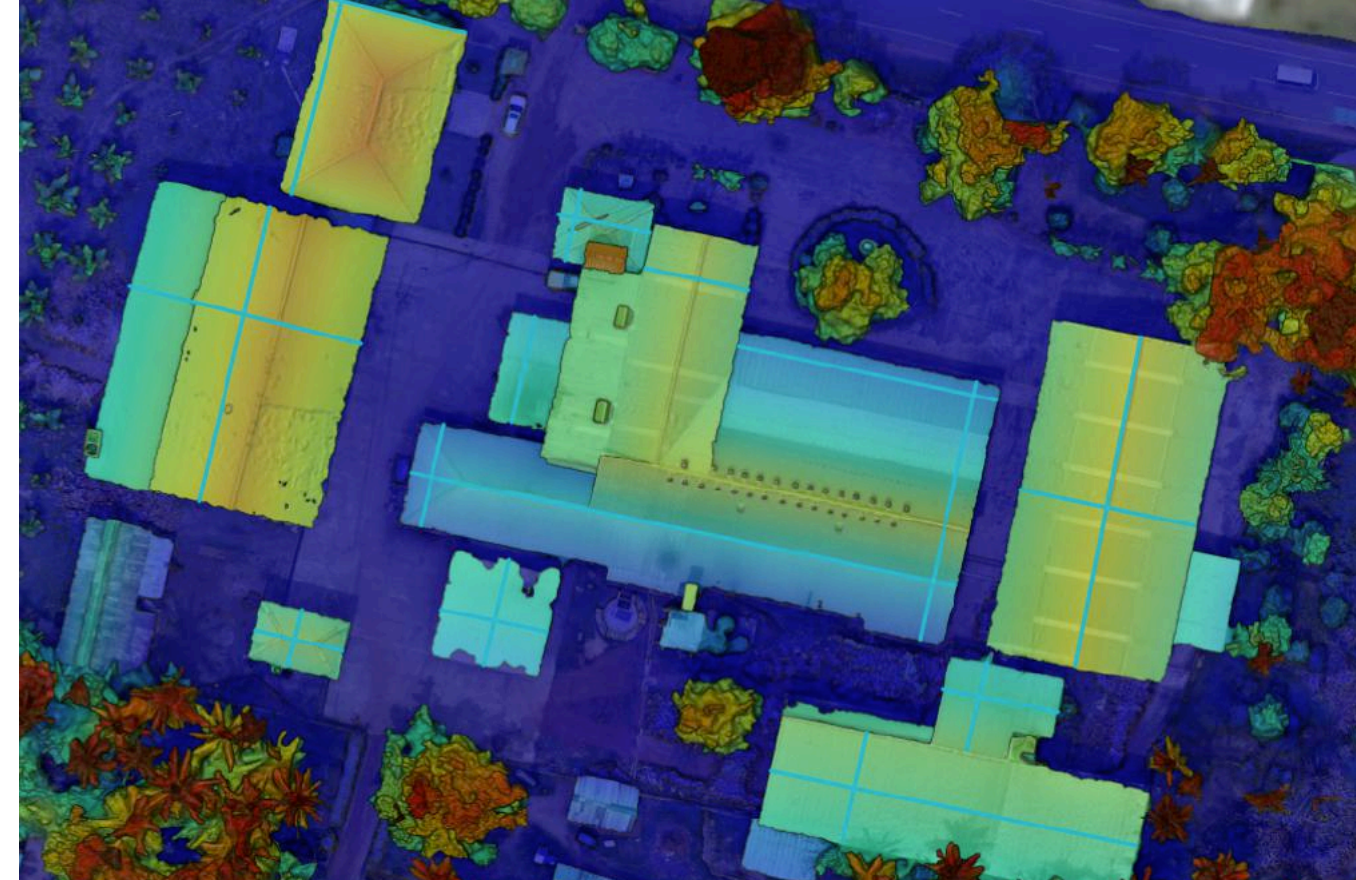
LET OUR DRONE DO THE DIRTY WORK

Our client runs a coconut processing factory & is looking to expand his capacity with new structures & modifications to existing structures. His architect requested measurements of all roof structures, & upper management requested a clearer overhead picture of their premises as Google Maps was not clear enough.

Using our drone mapping services, the client was able to satisfy both requests; his architect received a pdf file of all roof measurements & his upper management team received a high resolution image of their factory premises. SkyEye deployed one drone at 11am & had the final delivery of files to the client by 4pm the same day.

The client now has an accurate set of maps that can be used in the future, & can also archive this data. Since our data is compatible with Google Earth, the client can superimpose our map on the earth & make his own measurements when required.

“I was happy that SkyEye was able to finish the job in one day, & provide my architect with the measurements he needed to do his work for us. I will keep SkyEye in mind for when I complete the expansion work.”
- Mr. E. A. Perera (MD, Natural Coco Ana PVT LTD)

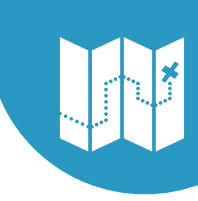


Digital surface model of factory premises, providing accurate elevation data.

Distance \

Label	Title	Horizontal Length	Surface Length	Slope	Vertical Height
1	10.08m	10.08 m	10.70 m	-0.74°, 1.29%	-0.13 m
2	10.21m	10.21 m	10.40 m	-11.45°, 20.26%	-2.06 m
3	10.31m	10.31 m	11.06 m	0.25°, 0.44%	0.05 m
4	11.79m	11.79 m	12.21 m	0°, 0%	0 m
5	12.02	12.02 m	12.04 m	0.08°, 0.14%	0.02 m
6	12.02m	12.02 m	12.23 m	-0.49°, 0.85%	-0.10 m
7	12.22m	12.32 m	12.31 m	-4.7°, 8.23%	-1.01 m
8	12.41	12.41 m	12.44 m	4.76°, 8.32%	1.03 m
9	13.10m	13.10 m	13.11 m	6.2°, 10.86%	1.41 m
10	13.19m	13.19 m	13.23 m	-0.23°, 0.4%	-0.05 m
11	15.58m	15.58 m	15.64 m	0.13°, 0.22%	0.03 m
12	19.93m	19.93 m	20.52 m	-0.15°, 0.26%	-0.05 m
13	23.08m	23.08 m	23.08 m	0.24°, 0.41%	0.09 m

Measurement report that includes length, & gradient of roof measurements.



AERIAL MAPPING CASE STUDY: BOLGODA LAND SALE

Survey land extent to compare against survey map for potential buyer to assess land for purchase.

Time to survey 10 hectares : 30 minutes

Time to process data: 2 hours

Time to add survey map boundaries: 30 minutes

SkyEye orthographic map with survey lines drawn in. Extent of survey is 10 hectares, extent of land under consideration is 7 hectares.

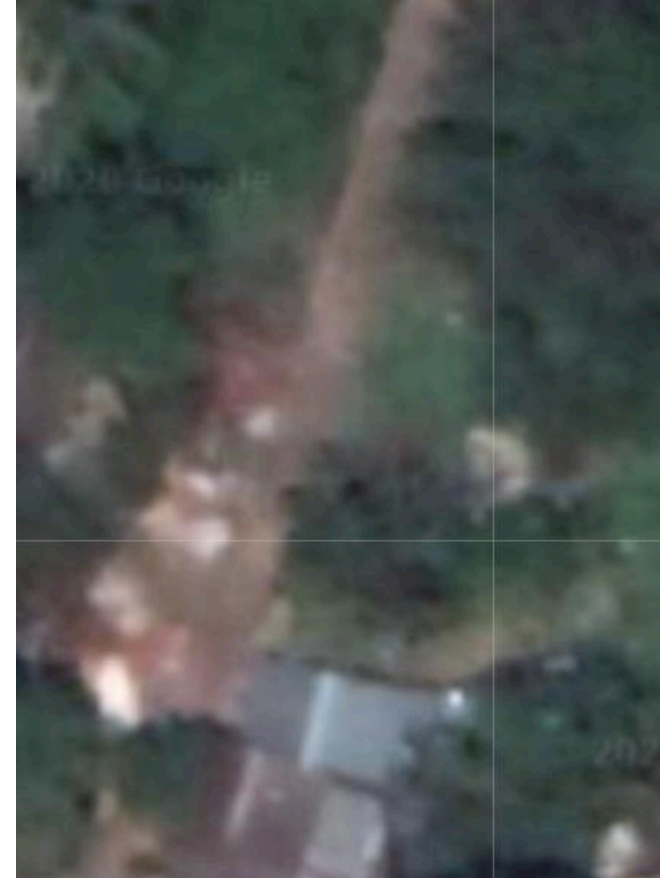
HOW MUCH LAND DO YOU *REALLY* HAVE?

Our client is a private land developer who buys bare land in order to partition & sell blocks off to the market. He was offered 8 hectares of land in Bolgoda at a discounted price to the market price. He contracted SkyEye to survey the land & its surroundings & superimpose the survey plan boundaries onto the orthographic map. The client also requested a video showing the property & the road access.

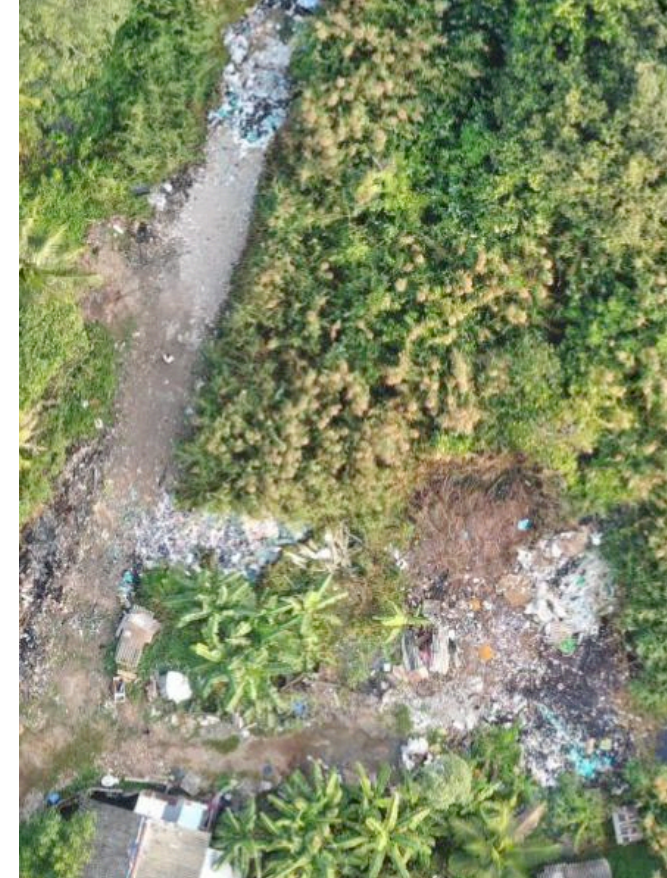
SkyEye was able to provide the client with the requested details, finding that the survey plan only covered 7 hectares of land. This allowed the client to make a more calculated decision.

“First I was offered 8 hectares, then SkyEye told me there was only 7 hectares there! I told the seller that he will have to come back to the table to explain this & renegotiate the price. If I had waited for my survey guy to get back to me, it would have taken a week or two but with the drone map I could get that information in just one day. The map also showed me how much garbage had been dumped near the entrance, so I can understand how much work has to go into clearing the whole place”

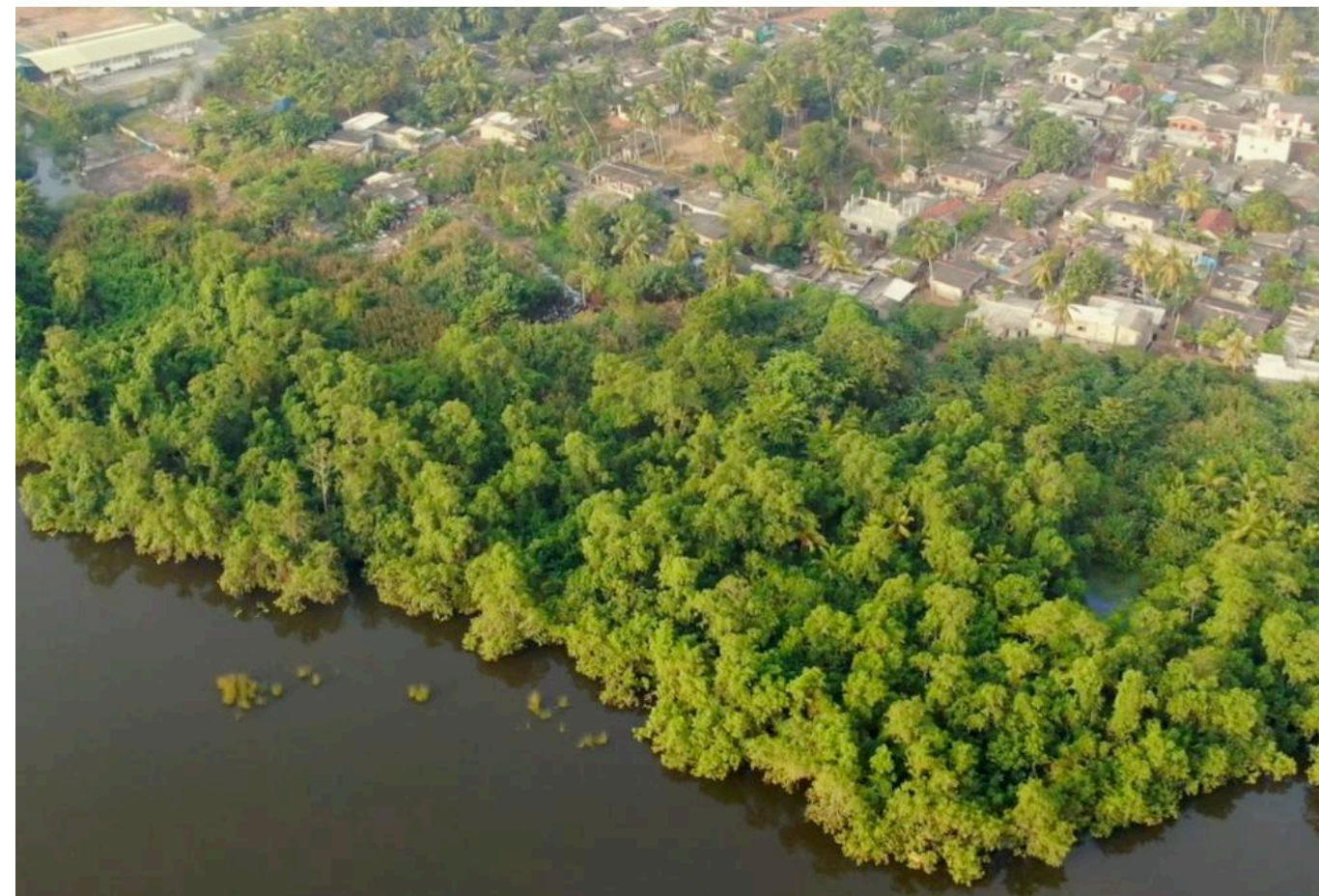
- Mr. A. Imthiyas (Director Apex Ventures Pvt LTD)



Google Maps view of property entrance



SkyEye view of property entrance



Still image from the video produced by SkyEye for the client.



AERIAL MAPPING CASE STUDY: BENTOTA LEGAL ISSUE

Survey coastal area to measure distance from property to green belt reservation.

Time to survey & film: 3 hours

Time to hand over film & maps: 2 days

Our client's luxury villa on the South Western coast.

FIGHT YOUR CASE WITH DRONE SUPPORT

Our client is an operator of luxury villas in Sri Lanka that exist in harmony with nature. When the serenity of the green belt came under fire from a construction project in the area, the client instigated legal action against the project in order to protect the green belt reservation along the coast line.

SkyEye was contracted to film the coastal area surrounding the property & provide aerial images showing the current state of the green belt. SkyEye also provided an orthographic map of the area, allowing the client to accurately measure the reservations that had been maintained in accordance with the law.



Orthographic map allowing for measurements to green belt.



AERIAL CONSTRUCTION PROGRESS REPORTS

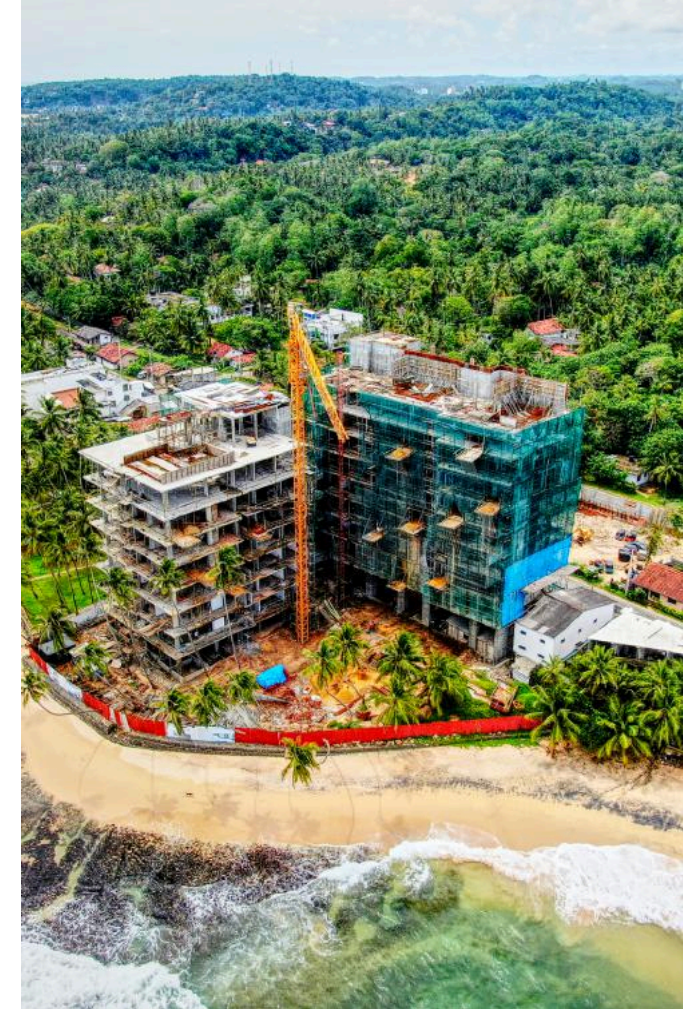
Construction site progress documented with aerial imagery.

CONSTRUCTION PROGRESS REPORTS (CPR)

Project managers, job superintendents, & safety coordinators have more than enough on their hands when it comes to periodic inspections, job site progress monitoring & keeping everyone safe on delivering their projects on-time & under budget. SkyEye's construction progress reporting provides a service that reduces the time devoted to weekly or monthly tasks to support these efforts.

Our accurate drone mapping allows for fewer boots on the ground when collecting & processing data relating to job site progress monitoring & site inspection. Our maps allow for inspectors to pour over every detail of the site, finding things they might have missed, & allows them to archive site data for future reference. The aerial view allows site managers to catch or anticipate access issues, drainage problems, or threats to health & safety.

The unique overhead view of a construction site is also a superior way to market the project, allowing prospective clients & stakeholders to see progress on site periodically.





CPR CASE STUDY: CAPITAL HEIGHTS

Periodic documentation of site progress to be compiled into a 1 minute video accompanied by edited pictures.

Contract terms: From piling to super structure completion.



Capital Heights in Rajagiriya

STARTED FROM THE BOTTOM, NOW WE'RE HERE

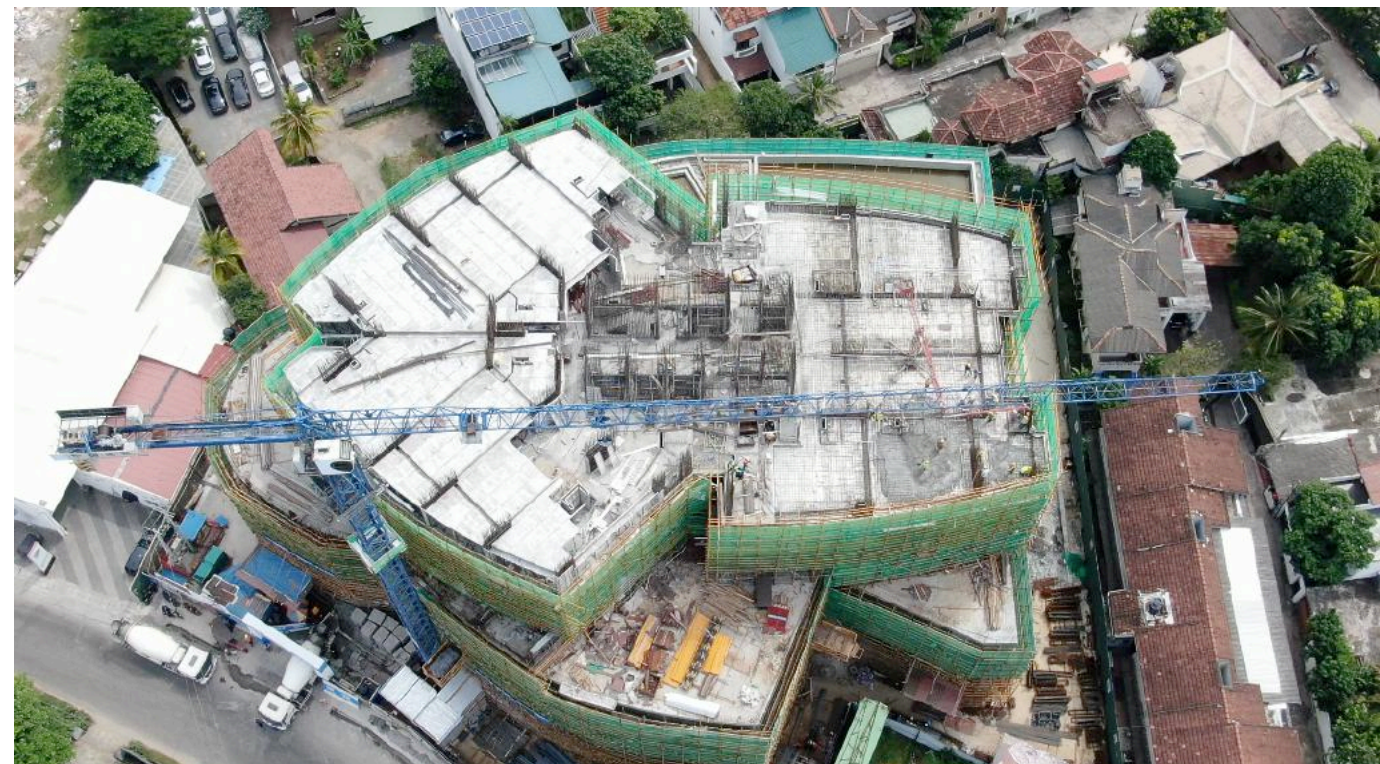
Our client is the developer of Capital Heights, a luxury condominium project in Rajagiriya. The client requested weekly construction progress updates compiled into a one minute video with pictures as well.

SkyEye was able to document site progress from the piling stage until the super structure was complete, allowing for upper management, the sales & marketing team, & the engineering team to maintain an archive of site progress over 2 years. Clients would be kept informed of site developments & would look forward to receiving their next update.

SkyEye has gone on to provide other services to the developer, from producing their annual general meeting presentation video, to providing them with drone coverage at their topping out ceremony.



Capital Heights at the piling stage



Capital Heights a few floors above the transfer floor



PRE CONSTRUCTION PLANNING

Understand the land prior to mobilisation.

PRE CONSTRUCTION PLANNING WITH DRONES

The construction sector has experienced much usefulness in the deployment of drones on active sites, but the unique aerial vantage point & data gathering ability of a drone is able to provide much benefit for those engaged in pre-construction planning.

Topographical mapping of sites can reveal costly deployment areas due to poor terrain, & ensure accuracy in planning prior to mobilisation.

The 3D models produced by our workflows allow you to pinpoint challenges before & during construction, allowing you to spot mistakes in the scope, saving time & money in the long run.



Pre-construction planning for a villa in Bolgoda



Pre-construction planning for a solar power plant in Anuradhapura



PRE CONSTRUCTION PLANNING CASE STUDY: KOKILLAI

Survey coastal land for the construction of Sri Lanka's longest bridge (1.2KM).

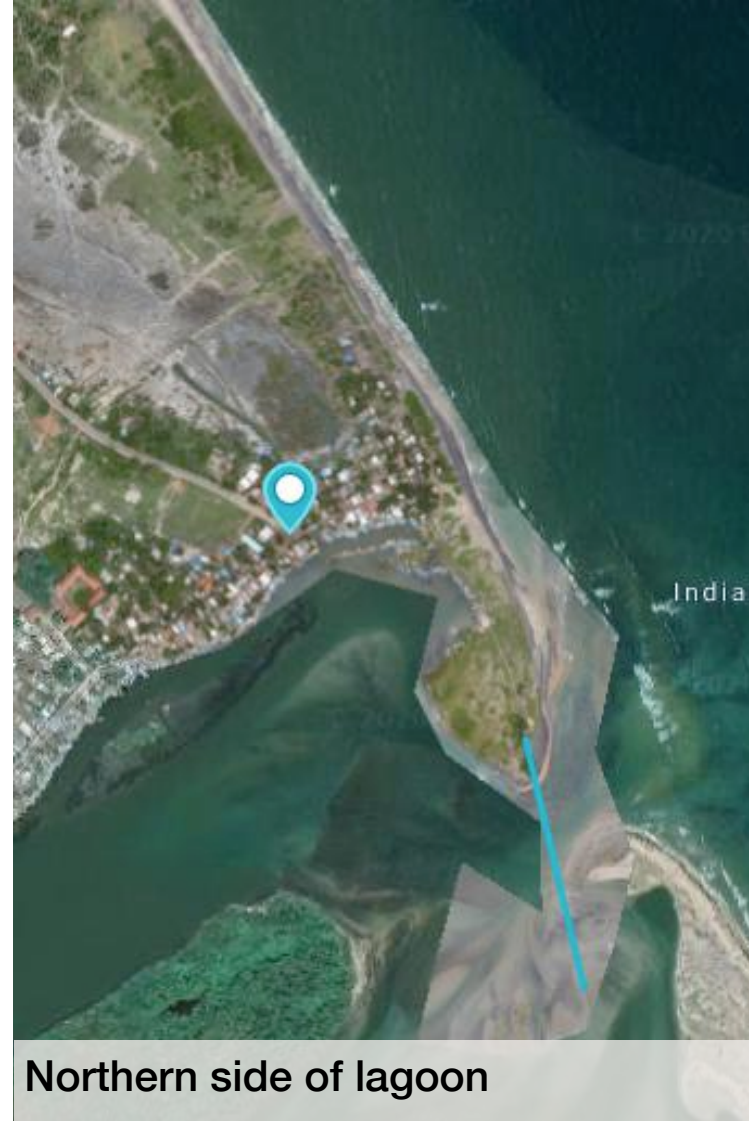


Low tide on the northern side of the Kokillai lagoon

ASSISTING THOSE BUILDING SRI LANKAS LONGEST BRIDGE

The drive from the southern tip of the kokillai lagoon to the northern side, is roughly 60 minutes long, whereas a boat ride would take less than a minute. The Government of Sri Lanka decided to bridge the gap between north & south with Sri Lanka's longest bridge, spanning over a kilometre long.

Engineers used SkyEye's orthographic maps & 3D models to cultivate an intimate understanding of the terrain & plan out their use of heavy machinery & the erection of temporary structures.





MULTI SPECTRAL AGRICULTURAL MAPPING

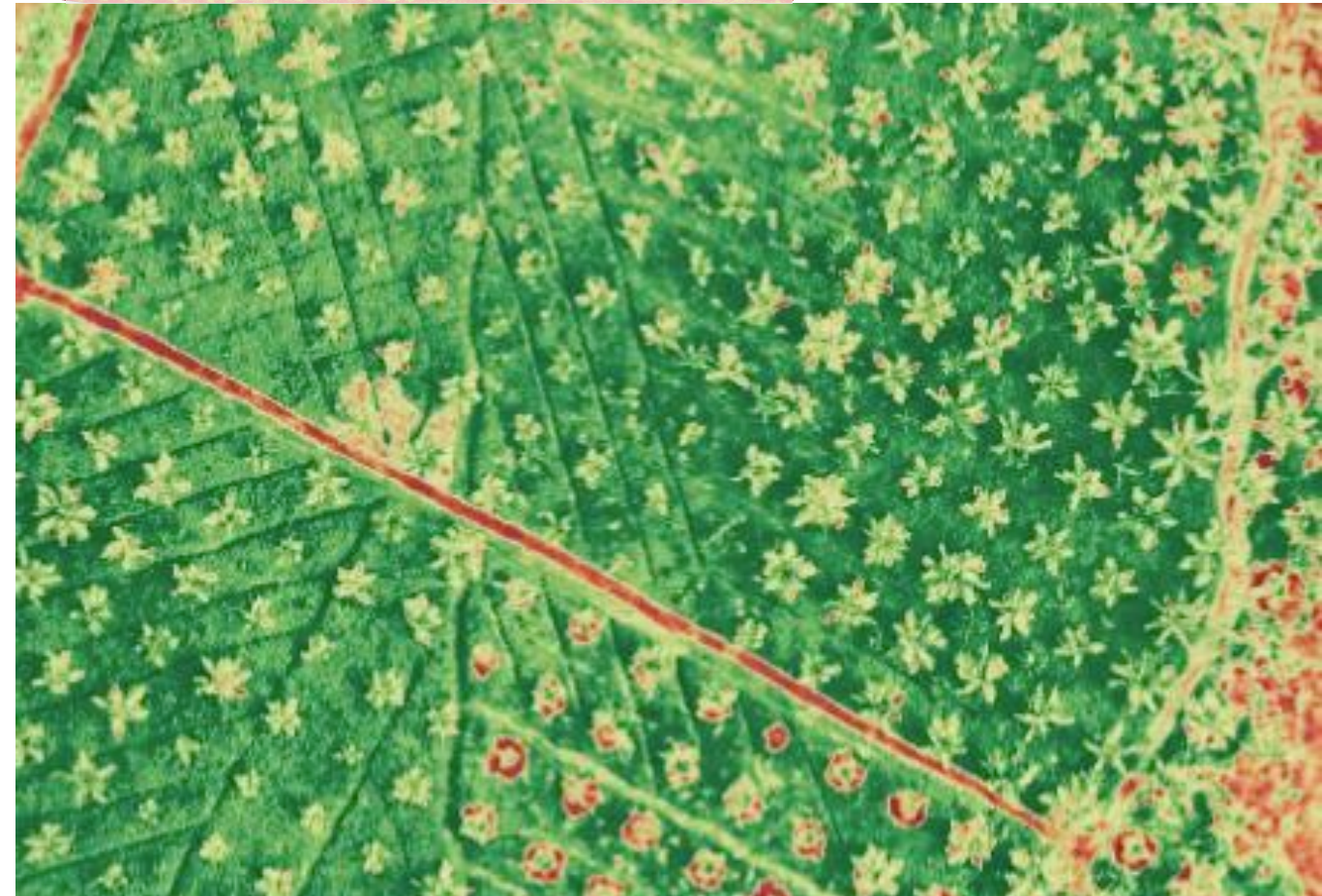
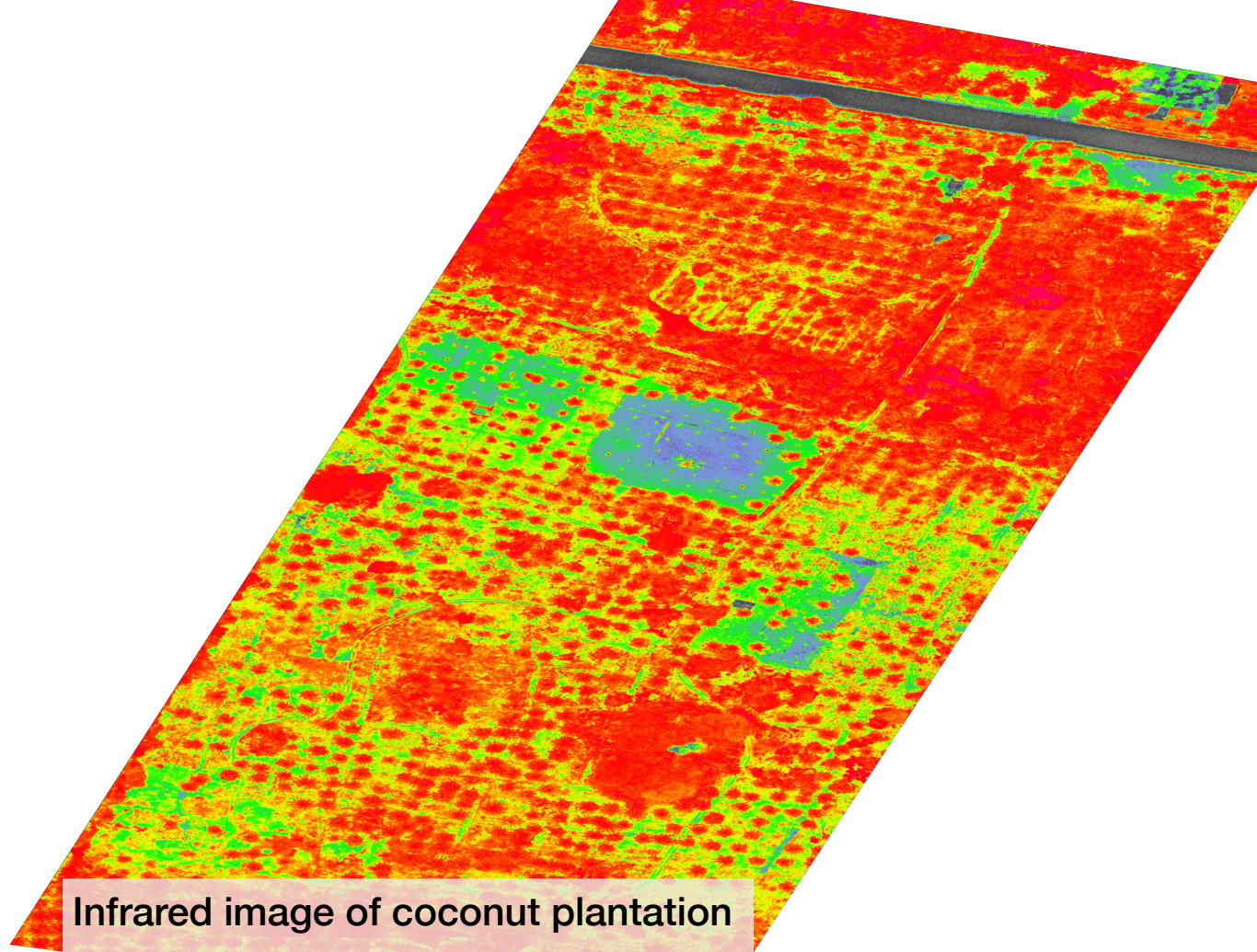
High resolution multispectral imagery.

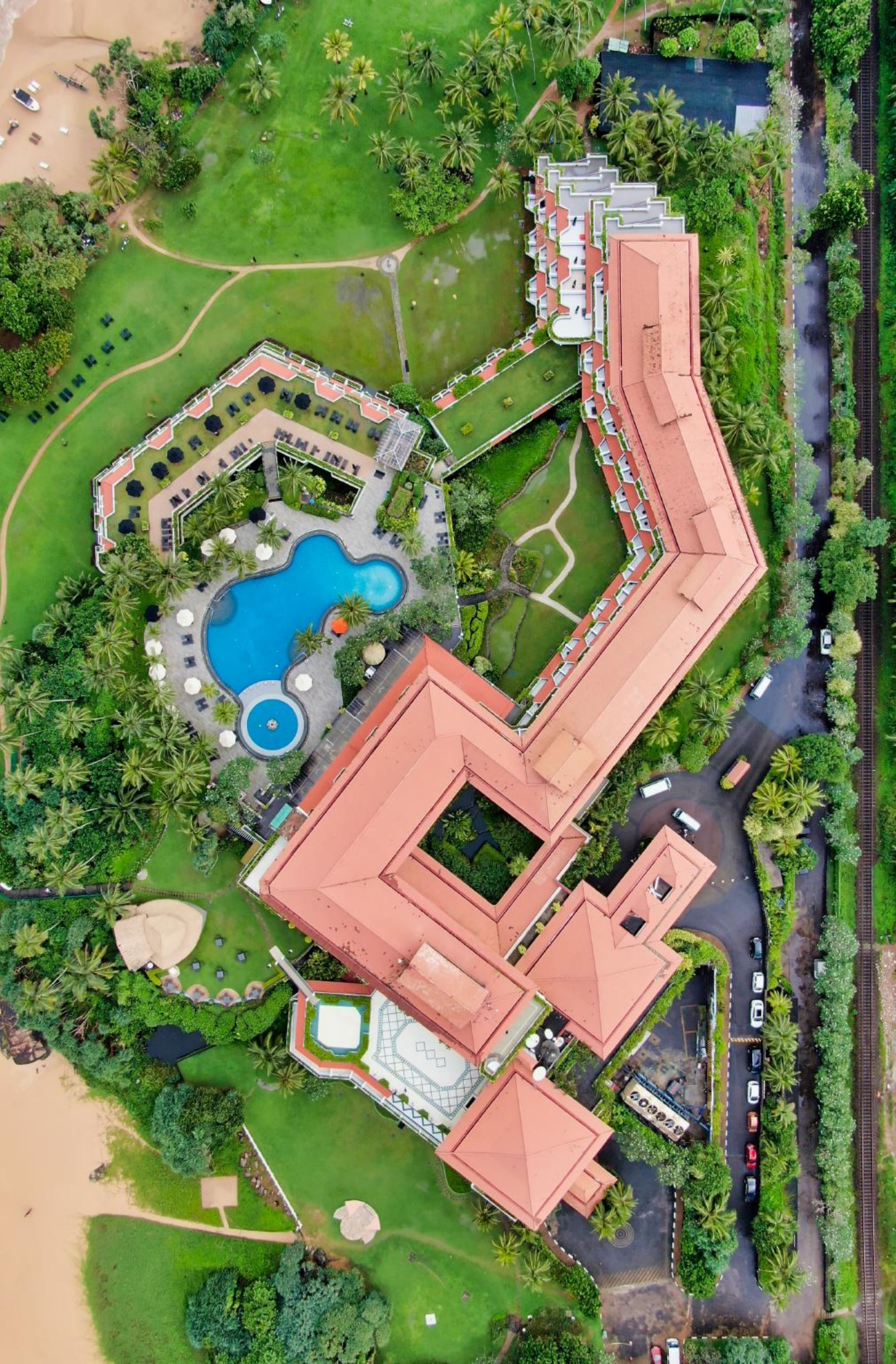
HOW GREEN DOES YOUR GARDEN GROW?

Plants under stress reflect light waves differently than normal plants. For example, red reflectance from vegetation indicates chlorophyll content of the plant canopy & active photosynthesis.

Our agricultural mapping service allows planters & scientists to obtain multispectral wavelength data that is invisible to the human eye, but provides clarity on the stress levels of arable crops.

Precision agriculture allows you to make data-driven decisions, with the goal of improving overall plant health & efficiency by minimising waste through the targeted delivery of fertiliser, pesticides, & other supplies.





VIRTUAL TOUR DESIGN & MARKETING MATERIAL

High resolution 3D walkthroughs

MAKE A BOLD STATEMENT

SkyEye's 3d interior walkthroughs really have to be seen to be believed.

Our virtual reality walkthroughs allow your clients to immerse themselves in your model apartment, villa, or office space. Scan the QR codes on this page to be instantly transported to a virtual reality walkthrough.

“SkyEye has done some good work for our company. From capturing views from the apartments using drone technology, to introducing innovative 3D matterport VR walkthroughs of our apartments. The VR Walkthroughs are particularly important for our overseas buyers & was a great way to even showcase our apartments to potential buyers during the lockdown.” Mr. Nadeem Shums (Assistant Vice President, Head of Sales - Property Group - John Keells Holdings PLC



Ishq Villa in Talpé



Marina Square in Colombo



Ninewells Hospital Maternity Suites

SKYEYE

WHY USE OUR SERVICES?

- Keep your client or upper management in the loop with up-to-date high resolution imagery & videos.
- Cultivate a deeper understanding of your property & see how your construction project is progressing.
- Monitor on-site progress & activity with periodic updates.
- Our mapping & post-production services are cost-effective & will not break the bank.
- SkyEye works quickly to provide you with the fastest survey turn-around time in the industry.

