The Ultimate Guide for Land Surveying with Drones

Udemy | **BEST SELLER** | ★★★★½

HUVImiR

Dear Student,
Thank you for enrolling for the course.
We are excited to have you on board!

This document has the snapshot of our course series and will help you organize your learning and gain the most from it.

We have provided you the work curriculum covered in each course and the assignments that you can complete to master the process of Land Surveying with Drones. At the end you can also check out the exciting offers we have for our existing students.

The Ultimate Guide for Land Surveying with Drones
Part 1

CURRICULUM

WORKFLOW IN 7 MINUTES, POTENTIAL MARKET, ESTABLISHING ACCURACY, BEST DRONES FOR THE JOB

FLIGHT PLANNING - PARAMETERS, SETTINGS, NADIR/OBLIQUE IMAGES

FLIGHT EXECUTION AND IMAGE CAPTURE- SAFETY/REGULATIONS, QUALITY CHECK, PLANNING MULTIPLE FLIGHTS

PROCESSING THE IMAGES- OUTPUTS, PIX4D CLOUD/DESKTOP WORKFLOWS

This course is extremely useful for those of you who are beginners and have no experience with drone surveying.

We first give you a picture of what the potential market looks like. We then take you through the basics of land surveying, how drones have transformed the sector, definition of accuracy and choosing the right drone for the job. Then, we cover the end to end process of flight planning, flight execution and image capture. Finally, we get into the definition of image processing outputs and the steps involved in generating them. By the time you are done with this course and assignments, you will be well on your way to hitting the ground for land surveying work!

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The Ultimate Guide for Land Surveying with Drones Part 2

CURRICULUM

POST PROCESSING NECESSITY, SOFTWARE OPTIONS FOR POST PROCESSING

POST PROCESSING WITH QGIS, AUTOCAD, GOOGLE EARTH PRO, GIMP

BEST WAYS FOR REPORT GENERATION, EXAMPLE

MARKET RESEARCH, CUSTOMER ACQUISITION, BUSINESS GROWTH

This course is particularly useful for those of you who have basic knowledge and/or experience of land surveying with drones. Completing part 1 of the course before taking up this one helps you establish your basics well.

We first cover why there is a need to learn post processing and the available software applications out there. We then get into details of post processing drone survey outputs with QGIS, AutoCAD, Google Earth Pro and GIMP. Finally, we take you through the strategies involved in starting your business, acquiring customers and growing your business! By the time you are done with this course and assignments, you will be able to deliver advanced drone survey services to customers in various sectors.

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The Ultimate Guide for Land Surveying with Drones
Part 3

CURRICULUM

DEFINITIONS, GLOBAL COORDINATES, WAYS TO CAPTURE GCPS, GPS SYSTEMS,TOTAL STATIONS, RTK/PPK DRONES

GCP BEST PRACTICES - NUMBER OF GCPS, POSITIONING STRATEGY, GCP TARGETS

ON SITE DEMONSTRATION - FLIGHT PLANNING, GCP POSITIONING, FLIGHT EXECUTION

PROCESSING IN PIX4D - INCORPORATING GCPS INTO THE WORKFLOW

This course enables you to bring in high global accuracy into your drone survey process by using Ground Control Points (GCPs).

We first go over the basics of GCPs and their utility in surveying. We understand the global coordinate systems and then the check different types of equipment used to capture GCPs. Also, the best practices involved in capturing them. We then show you an on-site demonstration of the GCP workflow, followed up by the processing steps involved in Pix4D to incorporate GCPs into the outputs. Finally, we look at the differences in outputs of the same site with and without GCP processing.

By the time you are done with this course and assignments, you will be able to deliver truly survey grade outputs to your customers!

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Our students have gained immensely from our courses and many a times we get overwhelmed by the 'Thank you' notes the students send us. :)

To help the students gain complete and immersive knowledge, we have the following 2 important resources-
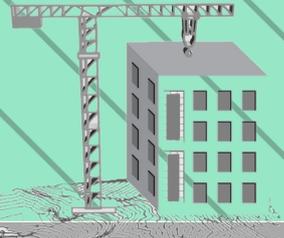
Our discussion forum is open for all. Please free to ask questions you may have about any aspect of Land Surveying with Drones. We will be very happy to answer them. In the discussion forums, you can also view and interact with other students on any topic in the course as well.

We have provided data sets and assignments which would help you to apply your knowledge and improve the skills you've learned. By completing the assignments, you can also learn from fellow students by receiving feedback on your assignments, or by sharing your thoughts on theirs.

We have also provided subtitles in English and Spanish for our courses. Do enable them on the video player if you wish to go through the course along with subtitles.

Happy Surveying

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Ultimate Guide to Drone Applications
Construction Industry

We have recently launched a course series

Ultimate Guide to Drone Applications Construction Industry

This course is extremely useful for those of you who are looking to integrate drone operations into the construction life cycle and making it a sustainable process or business that helps in enhancing the efficiency of construction sector.

We have provided complete workflows where the data obtained from drones can be integrated with the existing construction industry tools and how much of the drone related work can be automated.

The Ultimate Guide for Land Surveying with Drones

We value our students immensely and much of the course content is improved based on your active participation in the discussion forum and the feedback you have provided to us

We thank you for that !

For all our existing students, we provide the remaining courses for US $10 each Only!

Please Click on the Courses below
to avail the offer

Ultimate Guide to Drone Applications Construction Industry   Part 1

Ultimate Guide to Drone Applications Construction Industry   Part 2

The Ultimate Guide for Land Surveying with Drones Part 1

The Ultimate Guide for Land Surveying with Drones Part 2

The Ultimate Guide for Land Surveying with Drones Part 3