



DRONE LAND SURVEYING



What Will I Learn?

- ◆ Master end to end drone surveying processes and techniques
- ◆ Tap into the multi billion dollar global land surveying industry! Understand the basics of land surveying and how you can transform this sector with drones
- ◆ Learn about surveying accuracy and how you can achieve the best possible accuracy
- ◆ Choose the best drones for aerial surveying
- ◆ Plan nadir and oblique automated flights using techniques that I have mastered over 3 years. Learn how to use kml/excel files and gps tagging apps to plan your flights
- ◆ Learn about safety and regulations for

- ◆ drone operations
- ◆ Internalize all practical aspects of flight execution - marking boundary points, choosing best take off points, adjusting flight parameters, image quality and coverage check, continuing flights mid way in a mission
- ◆ Use image processing software to generate, analyze and visualize aerial survey outputs - orthomosaics, DSMs, 3D models and contours
- ◆ Practise flight planning and image processing steps with sample data sets

CHAPTERS

- ◆ Land Surveying with Drones - The Workflow
- ◆ Introduction, Topics covered in this course
- ◆ Land survey and drones
- ◆ Drone surveying and traditional surveying, Survey accuracy and Ground Sampling Distance, Which drone is best for the job?
- ◆ Flight planning
- ◆ Parameters for flight planning, Nadir and oblique images, Flight planning off site versus on site, Creating multiple capture flight plans for larger sites, Multiple nadir flight plans for a project
- ◆ Flight execution and image capture
- ◆ Safety and regulations, Marking boundary

- ◆ points, Nadir image capture with DroneDeploy, Image quality and coverage check, Flight planning and execution
- ◆ Processing the images
- ◆ Image processing software, Definition of outputs of image processing, Outputs of image processing, Introduction to Pix4D, Pix4D Cloud processing steps 1 & 2

TIME & COST

5 (Five) days ♂ Rp. 9.500.000, - / Participant; include: Training Kits (paper, stationery, bags), practice using drone, snack, lunch & Certificates
Training conducted with min. 4 participants.



PENDAFTARAN

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