



Remotely Piloted Aircrafts (RPAs) into Agriculture - Precision Agriculture

12 - 14 November 2019

Registration

Closing Date 7th Nov 2019

Venue: Axsel Training Room / Felda Plantation

3 Days Intensive Training with theory and practical flying sessions

The Incorporated Society of Planters & Axsel Management International Sdn. Bhd. in collaboration with Australia Institute of Business & Technology (AIBT) and Ace Aviation Aerospace Academy, Australia's largest multi campus training facility, is pleased to offer a professional certification course on the ever growing Remotely Piloted Aircraft (RPA) industry.

Introduction

This course is the best move for those who seek to incorporate Drones / RPAS / UAV's into their business and boasting an impressive productivity boost, the latest technology and software are incorporated into this innovative workflow, this course will get you from the theory on photogrammetry, how sensors work to provide vital data for post processing, moving on to how acquiring data sets through automated missions on different RPA platforms, and post processing software to produce 2D and 3D deliverables.

Fees: RM 5900.00 excluding sst

Why this course?

This specialization is the Industry's first & only program to equip you with all the licences, certifications & training available to incorporate a consistent workflow into the surveying/mapping process.

After completion of this course, you can:

- 3D map different terrain and assets
- Process and analyse data sets obtained through enhanced automated flight plans
- Provide Ground Control Points to your data sets

What are the outcomes?

- Sub 25kgs type training
- Sub 7kgs type training on a fixed wing RPA
- Terra Mapper/Botlink software training

Add on:

- All our trainees come from Aviation background and are highly experienced from manned aircraft to aerospace engineers
- We teach you how to do Flight Planning (Risk management for VLOS operators)
- How to use state of the art EFB, Oz runways.
- How to stay complaint during day to day operations.
- Teach you how to make REAL radio calls to the control tower (our manned flight experience)

Delivery Methodology:

- Theory
- Practical- 2Hrs of flight training
- Field tests

Course Outline

Day 1

- Foundation in Drone
- Maintaining Drone
- Precision agriculture workflow
- Photogrammetry accuracy
- Remote sensing theory

Day 2

- Vegetation Index theory and Agriculture analysis tools
- Flight plan/deployment software and tools.
- Practical module with fixed wing RPA mapping a field to assess its conditions
- Data set post processing and analysis with Airinov first+ software.
- Heavy Lift type training on XAircraft P20

Day 3

- Field Activity deployment
- Practicals

OUR TRAINERS

Wayne Morgan

Wayne Morgan has 14 years of experience and knowledge in the Aviation Industry. He attained his Commercial Pilot Licence way back 2005. From 2011 to 2015 he completed his qualifications of Certificate IV in Aviation Maintenance Engineering (Avionics) and Graduate Certificate in Aviation Management (University of Newcastle). In 2017 he attained his Remote Pilot Licence. From 2006 to 2018, he worked as an Aircraft Maintenance Engineer of Qantas Airways Ltd while he serving Ltd while he serving as an Engineering of Drone Engineering Services Australia Pty Ltd from 2017 to 2018. This 2019 he was a civilian Instructor for Australian Airforce Cadets on an on-call voluntary basis.

I.Viswa Nathan

(Avionics Engineer, Private Pilot, Drone Pilot, CEO of Ace Aviation, Operations Director of Australia Institute of Business and Technology (AIBT))

Viswa a seasoned operations professional and aviation enthusiast. Renowned for supporting and collaborating with firms to grow their top line through implementation of creative, and innovative sales and letting strategies. He has proven his expertise in strategic implementation and long term planning for both AIBT and Ace Aviation. In 2016, leveraging on his unique skill set in operations and aviation, Viswa set up Ace Aviation, an innovative and high tech aerospace firm that focuses on training domestic and international students in their quest to be a qualified drone pilot and aviation management specialists. In addition, another key service that Ace Aviation provide is the implementing consultancy customised services that utilises drone technology to improving processes and efficiencies in various industries, ranging from agriculture to photography and search and rescue.

Gabriel Olivares

(Certificate III in Aviation)

A keen enthusiast in Drones. Gabriel ensures participants use drones to understand changes in stream form due to management actions, and how those form changes may be related to changes in stream communities, like aquatic insects. His experience in using drones to capture overlapping imagery continuously across a relatively large area (on the order of 1-2 km).

Currently he is a full time RPAS Pilot / Trainer / Maintenance Controller for Ace Aviation in Brisbane. He also trains in Certificate III Aviation, RePL , RPAS/UAV 3D Mapping Heavy lift endorsement Training Fixed wing endorsement Training, Flight mission planning and approvals and RPAS/UAV fleet maintenance. He believes if companies have their way, drones will soon play an increasingly significant role in "last-mile" delivery

Zainudin Bin Zainal

(DCAM Part 66 – Aircraft Maintenance Engineer)

Has been a trainer for the last 15 years in the aviation industry. Zainudin has been training many on the aviation related subjects. He has developed a passion for commercial drones. This has led him to do an extensive research on commercial drones. The last one year he has been involved in creating the awareness on drone technology in schools and drone clubs

Prior to this, has worked in many airlines industry particularly with Malaysian Airlines and Air Asia

HRDF Financial Assistance for course fee and allowances is as per the current allowable cost matrix as below

Item	Category of Employers	Financial Assistance and incentive by HRDF Employers
Course Fee	Non SME	<ul style="list-style-type: none"> ▪ 50% course fee will be borne by HRDF ▪ The Remaining 50% of the course fee will be deducted from the Employers' HRD Levy ▪ 100% of the course fee will be borne by HRDF
	SMEs	
Allowances	All Employers	<ul style="list-style-type: none"> ▪ Allowances for Trainees will utilise Employers' HRD Levy ▪ Maximum Amount for Meal / Daily allowances is RM1000 per trainee per month

For Registration :

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Certified By



Australia Institute of Business & Technology

Australia Institute of Business and Technology is one of the top 5 private institutions in Australia specialising in vocational training and academic pathway programs to both international and domestic students. AIBT's cutting edge facilities employ the newest technologies and IT software, providing students with the most up-to-date services.

Jointly Organised



Authorised Training Centre



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