

Training on agriculture drones for spraying



A Practical Session



One of the participants flying the TTA

OVERVIEW	
Flying Labs	Ghana Flying Labs
Location	Ghana, Accra
Date	15th June - 24th July, 2020
Length (number of days)	5 weeks
Sector program (optional)	EcoRobotics
Format	In-Person
SDGs	GOAL 1: No Poverty GOAL 2: Zero Hunger GOAL 4: Quality Education GOAL 5: Gender Equality GOAL 8: Decent Work and Economic Growth GOAL 9: Industry, Innovation and Infrastructure

SCOPE & OUTCOMES	
Type of training	<ol style="list-style-type: none"> 1. Introduction training to drones 2. Sector-specific training of professionals (for example: Drones for Agriculture and mapping)
Goal of the training	<ol style="list-style-type: none"> 1. Create drone awareness 2. Teach how to assemble and pilot drones at the beginner level
Expected outcome for participants	The participants were expected to learn how to pilot the TTA Agric Drones in all modes (AB mode, Mission Mode, Manual Mode) Safely, as well as the Phantom 4 RTK Drones for mapping.
Confirmed outcome after training	At the end of the training, the participants were able to use the agriculture drones for spraying effectively and the DJI Drone for mapping. Participants showed that if they were required to use a drone for any project they would be able to use it effectively to solve their problems
Eventual next steps	After the training there was a project which required us to spray a farm of soybeans. Some of the participants were sent together with Senior Pilots to understudy them.

PARTICIPANTS	
Profiles and number of participants	Young professionals (individual consultants, researchers, experts, teachers, etc.) -17
Gender ratio	15 males : 2 females
Who paid for the training?	Free training
Scholarships offered?	All participants received a full scholarship for the training

CONTENT	
Training components	<ul style="list-style-type: none"> ● Theoretical component - 1 week ● Practical component - 4 weeks
Training resources used	<ul style="list-style-type: none"> ● TTA App(Android) ● Agisoft MetaShape ● TTA M6E ● Phantom 4 RTK
Approaches and methods used	<ul style="list-style-type: none"> ● Because of their relatively huge number, participants were divided into groups of 8 to ensure easier interactions between trainers and participants. ● The training was hands-on. Participants were sent to the field immediately after a theoretical session for practice. ● The opportunities for participants to put their training to practice came immediately after the theoretical sessions where they were sent to the field. ● All participants were involved in practical training in small groups.