

## Training on agriculture drones for spraying



A Practical Session



One of the participants flying the TTA

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

SCOPE & OUTCOMES	
<b>Type of training</b>	<ol style="list-style-type: none"> <li>1. Introduction training to drones</li> <li>2. Sector-specific training of professionals ( for example: Drones for Agriculture and mapping)</li> </ol>
<b>Goal of the training</b>	<ol style="list-style-type: none"> <li>1. Create drone awareness</li> <li>2. Teach how to assemble and pilot drones at the beginner level</li> </ol>
<b>Expected outcome for participants</b>	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.
<b>Confirmed outcome after training</b>	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
<b>Eventual next steps</b>	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	
<b>Profiles and number of participants</b>	Young professionals (individual consultants, researchers, experts, teachers, etc.) -17
<b>Gender ratio</b>	15 males : 2 females
<b>Who paid for the training?</b>	Free training
<b>Scholarships offered?</b>	All participants received a full scholarship for the training

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