

**Reflection of trip going to Tengchuen bridge 9/1/2017 – 12/1/2017**

This was my first time going to Tengchuen, Rongshui to do feasibility study. I learnt new things in the trip even though I had joined feasibility study trip before.

I was responsible for aerial photography in the trip that I had not used in any trip before. I was scared to control multicopter due to lack of experience in aerial photography. It was because I heard that it was easy to be broken down when controlling multicopter especially in landing. In general, lifting would be successful if four motors on multicopter were fully functional. However, motors might be damaged easily during landing as it was hard to keep balance at that time. Fortunately, the multicopter was not damaged at the end of the trip.

At the meantime, we encountered lots of problems in aerial photography and finally resolved it. One of the problems was insufficient power of multicopter. Due to low temperature and aging problem of batteries, two out of four batteries were broken down. We did not have sufficient time to finish aerial photography on the second day of the trip. On the next day, we kept doing my job as soon as possible, but another problem occurred that was severe weather. We needed to control multicopter quickly and carefully. Finally, we finished the work successfully. It was a chance of a lifetime for me to learn and control the multicopter on site. Aerial photography would be useful in engineering practice such as site supervision and site investigation. I became more assertive in decision making and brave in trying new things that would be significant in engineering work.