

# Small Unmanned Aircraft (SUA) Advanced Rating Training

Let's be a CAD certified pilot for SUA!



Course Fee: HK\$9,840 (May apply up to HK\$6,560 subsidy)

\*Maximum saving, with the final grant subjects to approval.



In recent years, SUA technology becomes one of the FutureSkills required in the Industry 4.0 era. It is important to understand how to fly a drone safely and legally without endangering others. However, much of the public is not familiar with the drone regulations and restrictions.

Hong Kong Productivity Council is one of the Training Organisations working with Civil Aviation Department (CAD) on the pilot scheme of SUA Advanced Rating Training Course. In this course, syllabus is based on the requirements of Advanced Rating Training from CAD. Pilot Scheme assists participants in the early understanding of safety oversight requirements and applications for conducting advanced operations and enables graduates to apply for CAD Advanced Rating under the new legislation.

<b>Date and time</b>	5 - 6, 9 - 11 Jan 2023 09:00 - 18:00
<b>Venue</b>	<u>HKPC Building :</u> Theoretical Knowledge Instruction <u>OTG Venue :</u> Practical Flight Training
<b>Medium</b>	English materials with Cantonese instruction
<b>Course fee</b>	HK\$ 9,840 per person
<b>Remarks</b>	<ul style="list-style-type: none"> <li>• Course fee includes training material, flight training, drone rental, administration and assessment fees</li> <li>• 2 hours flight log is required to be submitted for each participant</li> <li>• Participant with drone flying experience is recommended</li> </ul>

## Objectives

After attending theoretical knowledge training and practical flight training, participants need to pass the theoretical examination & practical assessment to prove the competence in operating SUA. Participants may

- ✓ Obtain knowledge of SUA operation and safety regulation in Hong Kong
- ✓ Obtain certificate issued by Hong Kong Productivity Council to apply for Advanced Rating from Civil Aviation Department (with minimum participation of 80% of total training hours, passed theoretical knowledge examination & practical assessment)

### RTTP Training Grant Application

Companies should submit their RTTP training grant application for their employee(s) via <https://rttp.vtc.edu.hk/rttp/loginat> least two weeks before course commencement. Alternatively, application form could be submitted by email to [rttp@vtc.edu.hk](mailto:rttp@vtc.edu.hk) along with supporting documents.

This course is subject to approval under the Reindustrialisation and Technology Training Programme (RTTP) with up to 2/3 course fee reimbursement upon successful applications. For details: <https://rttp.vtc.edu.hk>.

## Course Schedule

Schedule	Duration	Content	Venue
Day 1 & 2	16 hours	Theoretical Knowledge Instruction	HKPC Building
Day 3	4 hours 2 hours	Theoretical Knowledge Instruction Theoretical Knowledge Examination	HKPC Building
Day 4	4 hours 4 hours	Practical Flight Training Practical Assessment	OTG Venue
Day 5	8 hours	Practical Assessment	OTG Venue

## Course Content

<p><b>Part 1: Rules and regulation</b></p> <ul style="list-style-type: none"> <li>✓ Local and non-local SUA regulatory bodies</li> <li>✓ Civil Aviation Ordinance and its sub-legislation with key focus on Cap. 488G</li> <li>✓ CAD's SUA safety guidelines and requirement document</li> </ul>	<p><b>Part 2: Airspace</b></p> <ul style="list-style-type: none"> <li>✓ Classification of airspace and restrictions for aircraft including SUA</li> <li>✓ Restricted Flying Zones (RFZs) for SUA</li> <li>✓ Other applicable airspace concerns</li> </ul>
<p><b>Part 3: Maps, units of measurement and navigation</b></p> <ul style="list-style-type: none"> <li>✓ Use of maps and aviation charts</li> <li>✓ Units of measurement</li> <li>✓ Conversion of time system</li> <li>✓ Principles of navigation and restrictions</li> </ul>	<p><b>Part 4: Aircraft general knowledge</b></p> <ul style="list-style-type: none"> <li>✓ Principles of flight</li> <li>✓ Essential systems and components of SUA</li> <li>✓ Operational limitations</li> <li>✓ Maintenance and battery management</li> </ul>
<p><b>Part 5: Meteorology</b></p> <ul style="list-style-type: none"> <li>✓ Effects on SUA</li> <li>✓ Obtaining and interpreting weather information</li> <li>✓ Local weather assessments prior to SUA operations</li> </ul>	<p><b>Part 6 : Airmanship and human performance</b></p> <ul style="list-style-type: none"> <li>✓ Flight safety</li> <li>✓ Crew Resources Management (CRM)</li> <li>✓ Documentation and record keeping</li> <li>✓ Perception and illusion</li> <li>✓ Medical fitness</li> </ul>
<p><b>Part 7 : Operations manual, flight planning and procedures</b></p> <ul style="list-style-type: none"> <li>✓ Pre-planning</li> <li>✓ Risk assessment and management</li> <li>✓ Normal and emergency operating procedures</li> <li>✓ Operations Manual (OM) and checklists</li> <li>✓ Hazard and situational awareness</li> <li>✓ Communication with Air Traffic Control and other airspace users</li> <li>✓ Pre-flight, in-flight and post-flight procedures</li> </ul>	

\*Course content is subject to change without further notice.

### SUA Training Organisation (STO) Examiner

#### **Mr Lyan LAW**

Programme Manager, SUA Training Organisation  
Head, Industry 4.0 and Industrial Drone Solution, Greater Bay Area Business Development Division  
Digital@HKPC & Reindustrialisation Center Manager, Hong Kong Productivity Council  
Hong Kong Industrial Drone Technology Center Manager, Hong Kong Productivity Council  
Certified Industrie 4.0 Expert & Industrie 4.0 Principal Advisor, Fraunhofer IPT Germany  
Certified Drone Pilot – Commercial (CDP-C), UAV Academy, UK  
Certificate of Competence in Remote Pilot – Theoretical Knowledge/General Airmanship Syllabus, UAC Academy, UK  
Certificate of Practical Flight Assessment, UAV Academy, UK

### SUA Training Organisation (STO) Trainers

#### **Mr Dennis WONG**

Head of Instructors & Practical Assessors, SUA Training Organisation  
Senior Consultant, Industrial Drone Solution, Greater Bay Area Business Development Division, Hong Kong Productivity Council  
Hong Kong Industrial Drone Technology Center Certified Pilot, Hong Kong Productivity Council  
Head of Drone Pilot Instructor, Hong Kong Productivity Council  
Certified Drone Pilot - Commercial (CDP-C), UAV Academy, UK  
Certificate of Competence in Remote Pilot - Theoretical Knowledge/General Airmanship Syllabus, UAV Academy, UK  
Certificate of Practical Flight Assessment, UAV Academy, UK  
Agricultural Drone Operator Licence – XAG

#### **Mr Danny SUEN**

Technical Officer, Industrial Drone Solution, Greater Bay Area Business Development Division, Hong Kong Productivity Council  
Certificate of Recognition in Small Unmanned Aircraft Advanced Rating Theoretical Knowledge, Hong Kong Civil Aviation Department  
Certificate of Recognition in Small Unmanned Aircraft Advanced Rating Practical Assessment, Hong Kong Civil Aviation Department  
Agricultural Drone Operator Licence – XAG  
Diploma in Vocational Studies – Aircraft Maintenance

#### **Mr Burse TSE**

Lead Instructor & Practical Assessor, OTG OnTheGo Limited  
Examiner and Instructor, DJI Academy UTC Hong Kong  
Certified Drone Pilot – Remote Pilot License (RePL), up to 25Kg, Australia  
Certified Drone Pilot – DJI Academy, Inspection and Aerial Shooting  
Chief Consultant of CUEA, Taiwan (中華無人機教育發展交流協會)

#### **Mr Wilson LAU**

Director & Instructor, OTG OnTheGo Limited  
Instructor, DJI Academy UTC Hong Kong  
Examiner and Senior Instructor, FPV Australia  
Certified Drone Pilot – Remote Pilot License (RePL), up to 25Kg, Civil Aviation Safety Authority, Australia  
Certified Drone Pilot – Part 107 Remote Pilot, Federal Aviation Administration  
Certified Drone Pilot – DJI Academy UTC Pilot Level 1

#### **Mr Ricardo KWONG**

Project Manager & Senior Instructor, OTG OnTheGo Limited  
Certified Drone Pilot – Remote Pilot License (RePL), up to 7Kg, Civil Aviation Safety Authority, Australia

## SUA Training Organisation (STO) Trainers

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Examiner and Instructor, FPV Australia  
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### **Mr Ricky LEUNG**

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Instructor, DJI Academy UTC Hong Kong  
Instructor, FPV Australia  
Certified Drone Pilot – Remote Pilot License (RePL), up to 7kg, Civil Aviation Safety Authority, Australia  
Certified Drone Pilot – Unmanned Aircraft Operator Certificate Commercial

### **Mr Alex TAI**

Instructor & Certified Lecturer, OTG OnTheGo Limited  
Instructor, DJI Academy UTC Hong Kong  
DJI Academy - UTC UAS Inspection, UTC UAV Pilot Training Level 1, UTC Aerial Photography

### **Mr Sam YU**

Product Manager & Instructor, OTG OnTheGo Limited  
Certified Drone Pilot – UTC Aerial Photography Essentials  
QYSEA – Underwater Drone Trainer

### **Mr Patrick FONG**

Instructor, OTG OnTheGo Limited  
Instructor, DJI Academy UTC Hong Kong  
Certified Drone Pilot – UTC UAV Pilot Training Level 1

### **Mr Max LAM**

Project Officer, OTG OnTheGo Limited  
Instructor, DJI Academy UTC Hong Kong  
Certified Drone Pilot – Remote Pilot License (RePL), up to 7kg, Civil Aviation Safety Authority, Australia

## **Enrolment Method**

Please complete the enrolment form ([Download here](#)) and return the form by below method:

1. Email to [sua@hkpc.org](mailto:sua@hkpc.org)
2. Send us the crossed cheque payable to “Hong Kong Productivity Council by post within two weeks.  
Mailing Address: HKPC Building, 78 Tat Chee Avenue, Kowloon Tong, Kowloon, Hong Kong (Attn: Miss Kitty CHOW / Miss Summer LAM). Please write down your full name, contact no. and course name at the back of the cheque.

### Remarks

- (i) The course enrolment is made on first-come-first-served basis.
- (ii) Application will be processed only upon receipt of the completed enrolment form and payment.
- (iii) Please contact the Course Secretariat if you would like to complete the course fee by other payment methods.