

**ALCMS / ILCMS
TRAINING SUMMARY**

Define the ALCMS / ILCMS standards to meet compliance of the airfield to ICAO, FAA and EASA requirements.

Cyber Security and steps to be taken with ALCMS.

HMI's, Main and Local Controllers.

Resilience in ALCMS Systems.

Communication Medium and types of protocols. Modbus, Profibus, TCP-IP, Profinet.

ALCMS Safety Case and Airport Safety Case

SMGCS and A-SMGCS Control scenarios.

Compliance Monitoring through ILCMS technology and periodic inspection.

Airside working Risks and Safe working practices.

AGL5 – Airfield Lighting Control Systems

AGL5 is a 3-day advanced level training course from ATC. Part of our Next Generation Aviation Professional Training Programme, AGL5 is a focused Airfield Lighting Control Monitoring Systems (ALCMS) and Individual Lamp Control and Monitoring Systems (ILCMS) systems training course.

ABOUT AIRFIELD TRAINING COMPANY

Since 2016 ATC has been the leading independent airfield lighting training company. We deliver a range of recognised onsite and residential ICAO, FAA and EASA focused AGL and Control Systems Design, Maintenance, Safety & Compliance Inspection courses.

BEST AGL TRAINING COMPANY 2020 & 2021 – AVIATION & AEROSPACE AWARDS



ABOUT THIS COURSE

AGL5 - ALCMS training course teaches the delegate on the technical design and architecture of different Airfield Lighting Control Systems as well as the different types of ILCMS (Individual Lamp Control and Monitoring Systems) available on today's market.

Our trainers will teach the best practices to help delegates possess a solid understanding of airfield lighting control and monitoring system design techniques, protocols, and regulations to operate, install and maintain resilient and reliable systems.

WHO SHOULD ATTEND?

- ✈ AGL5 is targeted towards personnel who are involved in the specification, design, operation, and maintenance of AGL Control Systems.
- ✈ Civil & Military airside engineering and operations personnel.

CERTIFICATION

Having successfully completed all the modules for AGL5 delegates will receive an Airfield Training Company 'ICAO ALCMS / ILCMS - NGAP Competency (AGL5)' Certification.



ATC REFERENCES

Hong Kong Airport
Kuwait Airport
Kenyan Airports Authority
London City Airport
Jacobs
Mauritius Airports Authority
RAF Akrotiri
Lagan Airports
Manchester Airport Group
Thales
Jamaican Airports Authority
Riga Airport
Manila Airports Authority
BAE Systems
Evercon AGL Contractors
RAF Lakenheath
Dublin Airport
Rome (FCO) Airport
West Indies Islands Group
Bristol Airport
T. Clarke AGL Contractors
safegate (Helsinki)
Bournemouth Airport
G&A Barnine Contractors
HIAL (UK)
Interserve
Toma Construction

Residential Training

London
Manchester
Dublin
Hanoi
Bangkok
UAE / Dubai

AGL5 – Airport Lighting Control and Monitoring Systems (ALCMS)

The course includes modules on the following topics.

1. Introduction to ALCMS
2. ALCMS Definition, Concept, Design & Communications.
3. ALCMS Safety Case and Airport Safety Case considerations.
4. Types of ALCMS systems and equipment used.
5. General ALCMS Architecture and Design.
6. Resilience in ALCMS systems.
7. HMI's, Main and Local Controllers.
8. Communication Medium and types of protocols (Modbus, Profibus, TCP-IP, Profinet).
9. ALCMS maintenance and support.
10. Introduction to ILCMS.
11. ILCMS Architecture, Design and Technical constraints.
12. ILCMS definitions and available technologies.
13. New ALCMS / ILCMS technology trending 2021/2025.
14. Introduction to Cyber Security and steps to be taken with ALCMS.



HOW TO BOOK

ONSITE & RESIDENTIAL TRAINING

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