THE5 - Helicopter: Prototypes, tests, production - quality

From the MS HADA
(Helicopter, Aircraft and Drone Architecture)

Key elements

Period: **Late March**

Estimated duration: **25 hours**

For whom: **recent graduates, jobseekers and experienced employees**

Location: **AIRBUS HELICOPTERS, Marignane**

Language: **English**

Highlights

- Certification of helicopters and prototyping
- Supply chain management of helicopters
- Helicopter maintenance

This module will help all participants increase their skills linked to the certification of helicopters, thanks to very operational insights on prototype manufacturing, production tests and maintenance.

Learning objectives

After completing this course, participants will be able to:

- Describe and discuss the manufacturing of a helicopter from prototype adjustment to large-scale production.

Prerequisites

Background in aerospace engineering

Information and registration

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Course content

- Certification of helicopters
- Role of prototype manufactures in the development and industrialization process.
- Ground tests
- In-flight tests
- Cost analysis and methods
- Quality insurance
- Computer-aided production management
- Helicopter maintenance
- Site visit
- Purchasing and subcontracting
- Inspection

Teaching methods

Teaching methods	Yes
Lectures / tutorial	X
Collaborative learning	
Flipped classroom	
Blended learning (online and face to face)	
Learning by doing	X
Project-based	
Simulation	
Case study	X

Assessment

Written exam