THE5 – Helicopter: Prototypes – Tests – Production - Quality

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

Highlights

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

Key elements

Dates: 5 - 9 April 2021
Duration: 31 hours
For whom: recent graduates, jobseekers and experienced employees
Location: AIRBUS HELICOPTERS, Marignane
Course fees: 2 300 €
Language: English

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.

Prerequisites

Background in aerospace engineering

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.

Practical 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

<table>
<thead>
<tr>
<th>Teaching methods</th>
<th>Yes</th>
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<tbody>
<tr>
<td>Lectures / tutorial</td>
<td>X</td>
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<tr>
<td>Collaborative learning</td>
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<td>Flipped classroom</td>
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<td>Blended learning (online and face to face)</td>
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<td>Learning by doing</td>
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<td>Project-based</td>
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<td>Simulation</td>
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<td>Case study</td>
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Assessment

Written exam