



**DERICHEBOURG**  
AERONAUTICS TRAINING



# AEROSPACE WIRING FITTER

The main role of Wiring Harness Technicians is to manufacture electrical harnesses and the wiring for electrical assemblies.

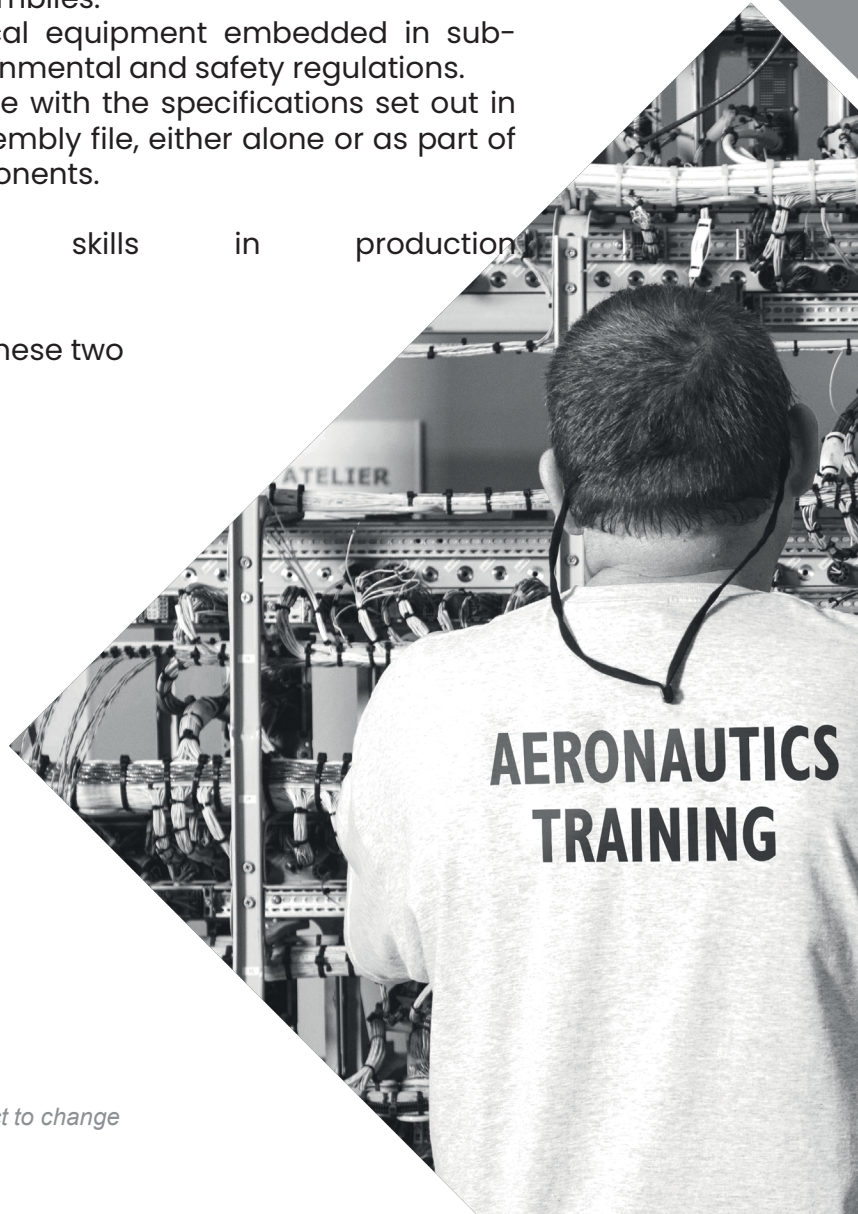
Wiring Fitters fit the wiring in the electrical equipment embedded in sub-assemblies, in strict compliance with environmental and safety regulations. Both missions are performed in compliance with the specifications set out in the corresponding manufacturing and assembly file, either alone or as part of a team, working on various electrical components.

Wiring Fitters apply their skills in production while paying constant attention to quality.

Our training centre can provide training in these two complementary areas of system wiring, i.e. manufacturing and assembly.

PREPARATION FOR THE  
**French Professional Qualification in Metallurgy (CQPM) - Level 3**  
MQ 2001 11 0206: **Aerospace Wiring Fitter**

**Up to 485 hours in the training centre**  
(theoretical and practical training)  
**210 hours of internship in a company**



**AERONAUTICS  
TRAINING**



## TRAINING LOCATION

### DERICHEBOURG aeronautics training

3 rue Jules  
Védrines, 31400  
TOULOUSE

Public transport:

Bus, Line 9 | Stop: Lafaurie

Bus, Line 37 | Stop: Védrines

Bus, Line 23 | Stop: Armentières

Bus, Line 8 | Stop: Armentières

Bus, Line 12 | Stop: Armentières



## CONTACTS

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✉ [accueil.training@derichebourg-multiservices.com](mailto:accueil.training@derichebourg-multiservices.com)

<https://www.derichebourg-aerotraining.com/>



Quotes available on request

### DERICHEBOURG aeronautics training

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[accueil.training@derichebourg-multiservices.com](mailto:accueil.training@derichebourg-multiservices.com)

Limited Company with a capital  
of €200,000

TOULOUSE RCS No. 505 253 484 – SIRET 505253484 00016 – 8559 A

Declaration of activity registered under number 73 31 05264 31

with the Prefect of the Occitanie Region

## COURSE CONTENT

### Technical and vocational training

#### TRADE-SPECIFIC TECHNOLOGY

- **Manufacturing harnesses**
  - Materials
  - Wiring
  - Cylindrical and rectangular connectors
- End components
  - Crimping of contacts
  - Crimping of terminals
  - Crimping of extensions
  - Grounding connections
- Tools and resources
  - Bundling and protecting harnesses
  - Making a harness on a fun board
  - Identifying the electrical elements
- **Installing electrical elements**
- General aircraft principles
  - Principles concerning the segregation of electrical harnesses
  - Aircraft installation rules
- Specific technologies and documents
  - Electrical bonding
  - The principle of wire-locking electrical components
  - Manufacturing documents
  - Reference documents

#### ELECTRICAL CALCULATIONS AND LAWS

- Basics of electricity
- The different measures: I-U-R-P (current, voltage, resistance, potential)
- Simple formulas – Ohm's Law, etc.
- Electrical calculations
- Measurements

#### ELECTRICAL SAFETY

- Raising awareness about electrical hazards
- Safety rules
- Collective and personal protection equipment
- Raising awareness of foreign object damage (FODs)

#### QUALITY

- Golden safety rules
- Inspecting – Self-checking

### Practical work

- Wire bundling
- Crimping of contacts
- Terminals and extensions
- Grounding connections
- Harnesses on tools
- Box and VU meters
- Installation of electrical assemblies on aircraft
- Brushing for electrical bonding, protecting metal bonds
- Installing wire-locking on electrical components
- Correcting anomalies to comply with specifications

#### PRACTICAL EXAM FOR THE FRENCH PROFESSIONAL QUALIFICATION IN METALLURGY (CQPM)

- Tests - Revision - Exercises - Mock oral exams