

# Discovery of the electric motor manufacturing process

## Face-to-face training

**Duration:** 35 hours (5 days)

**Location:** Reknow University Campus

Ampère Cléon factory, France

## Educational objectives:

- Know the key points electric motor process
- Know the manufacturing process of a electric motor
- Know the potential product/process deviance
- Know the interactions between manufacturing steps

### Pre-requisites

Basic knowledge of electricity

Public

Students in training, employee in reskilling

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### Trainer Profile

Manager with experience in processes

### Teaching methods

Classroom theory

Practical work in the workshop

### knowledge assessment

Assessment questionnaire

### Monitoring and training evaluation

Sign-off sheet

Satisfaction questionnaire

### Validation of training

Attendance certificate

Attestation of Success

### Access time

6 months

## Program

### Day 1:

- Home security
- Stator winding
- Stator hygiene
- Hot crimping

### Day 2:

- Forming
- Lacing
- Electrical tests
- Impregnation
- Rotor winding

### Day 3:

- Rotor winding
- Stator impregnation
- Balancing
- Stator and rotor electrical tests
- Cooling / Sealing

### Day 4:

- Rotor impregnation
- Magnet rotor assembly
- Visit Magnetic rotor motor shopfloor
- Electric machine performance
- Polishing

### Day 5:

- Machine assembly
- NVH (Noise Vibration Harshness)
- Evaluations