MECHATRONICS ENGINEER

Profession spotlight: mechatronics engineer

Main duties
- Assemble and integrate complex mechatronic systems
- Read technical diagrams (mechanical, electrical, pneumatic, etc.)
- Set parameters and test automated equipment
- Diagnose faults and carry out corrective/preventive maintenance
- Work with design, production and maintenance teams
- Suggest technical improvements to optimise performance

Skills needed
- Basic knowledge of mechanics, electricity, electronics and automation
- Knowledge of industrial IT (PLCs, sensors, man-machine interface, etc.)
- Versatility, logic and rigour
- Ability to work in the field, in a team and in projects
- Technological curiosity and analytical skills

What studies?
- Bac pro MELEC (professions in electricals and its associated environments) or Industrial Maintenance
- BTS in mechatronics, electrical engineering or CIRA (industrial control and automatic regulation)
- Electrical Engineering and Industrial Computing (GEII)
- Engineering diploma in mechatronics, robotics or automated systems

Where do they work?
In all highly automated industrial sectors: automotive, aeronautics, food processing, railways, robotics, pharmaceuticals, etc. In factories, design offices or on customer sites.

How much do they earn?*
- Beginner: between €2,000 and €2,500 gross per month
- Experienced: up to €3,800 or more, depending on the sector (robotics, automotive, etc.) and level of expertise

Career progression?

Mechatronic engineers can progress to positions such as automation project manager, robotics expert, maintenance manager or embedded systems engineer.

👁️👁️ An ultra-complete profession, a pillar of industry 4.0 and industrial innovation.

These figures are indicative and may vary according to experience, sector and company size.

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