

## ELECTROMECHANICAL ENGINEER? A PROFESSION THAT DEMANDS LOTS OF ENERGY!



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### How would you describe the job of an electromechanical engineer?

Electromechanical engineers design and develop complex systems and equipment calling on a wide range of technical skills, including mechanical design, computation, power electronics and industrial IT, all essential in guiding system development. They also work on the product as a whole, all the way to its final assembly, plus in-service support.

### What are the challenges of this job?

Electromechanical engineers offer expertise in all aspects of electromechanical systems, encompassing electric motors, actuators, drivetrains, etc. These engineers have to offer a wide range of technical skills which are currently much sought after in today's market, along with the ability to adapt to technological change. They also need good relationship skills, since they may well be dealing directly with customers to better understand

system specifications. Electromechanical engineers currently hold a key position within Safran, since the development of "more electric" aircraft is a primary objective for the Group's future. For instance, the electric green taxiing system, or egts – an electro-mechanical system par excellence – will soon enable aircraft to taxi without using their jet engines, thus reducing fuel consumption and carbon emissions.

### What type of person is Safran looking for?

These positions are mostly intended for experienced engineers. Since specialized electromechanical engineering programs are relatively recent, someone with solid experience or a specific area of expertise in mechanical engineering applied directly to innovative products such as actuators, drivetrains or electric motors, would have an advantage.

[Learn more about "more electric" aircraft in this video](#)

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### **Mechanical engineer, egts systems integration >**

Research, design and development – Location: Vélizy / France

### **Design engineer specializing in signal and image processing >**

Research, design and development – Location: greater Paris area / France

### **Supplier quality assurance manager >**

Support Functions – Location: Colombes / France

### **NC machine tool software engineer >**

Production – Locations: Corbeil, Colombes, Gennevilliers, Le Haillan / France

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## DID YOU KNOW?

# 6,000

Safran plans to hire 6,000 new employees in 2014, including engineers, technicians and line workers. In France, one-third of engineering and management positions are intended for candidates with less than three years of experience, and R&D engineering and management positions account for 60% of the expected new hires during the year. Safran will open its new Research & Technology Center in 2014. Located in the greater Paris area, it will develop new technologies to be applied in all of the Group's business sectors.

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TOP SCIENTISTS AND ENGINEERS

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