

# ENGINEERING

**Engineering shapes the future, turning science into reality to improve the quality of life. Engineers are problem solvers who use their creativity and knowledge of science and mathematics to create and produce the products, facilities and structures that people use in everyday life. Without engineers, we could not enjoy the high standards of living of the 21st century.**

AgustaWestland has an extensive rotorcraft product range, spanning military and civil products from 2 to 15 tonnes gross weight. The company is at the forefront of the industry and is currently developing the next generation of helicopter products, with the emphasis on:

- The Future Lynx Programme – a major update to the UK Lynx helicopter fleet, featuring substantial air vehicle modifications and a completely new avionic system

- Updates to the AW101 aircraft for a range of customers, including the UK Armed Services and the US Presidential Fleet. The new variants of AW101 will feature a completely updated avionic system
- Development of the AW149, a new medium-weight helicopter for the military market with a new avionic system.

Within AgustaWestland Engineering specifically concerns the design, manufacture and production of aircraft and covers a broad range of military, commercial and industrial applications.

Engineering within the company can be split into two main fields: Electrical/Avionics and Mechanical:

**Electrical/Avionic Engineering** covers areas such as electrical, communication, navigation, surveillance

and weapon systems and software engineering.

**Mechanical Engineering** covers areas such as airframe, propulsion, fuel, hydraulics, flying controls, rotors and transmissions.

There are excellent career opportunities for graduates who join the company within the Engineering function. Past graduates have advanced to the highest levels of their profession, and such opportunities exist for those with the determination to use their time and abilities to the full. Candidates must have a passion for engineering and advancing technology, demonstrating an open mind, creativity and the ability to work in a team.