

# Engineering

Some of the biggest names in the industry,  
some of the biggest projects in the world



Engineering is at the heart of our business and BAE Systems engineers play a central role in ensuring the delivery of our programmes are on time, to cost and quality. They are involved in all phases of the lifecycle of our programmes – from initial concept, design and development, manufacturing, through to in-service support.

Our record of groundbreaking technologies is amazing. The world's first fly-by-wire digital control unit and the first multi-mode head-up displays both originated here in Rochester. Maybe that's why the best people in the business have made the decision to join us.

As an Engineering Function, we can offer you some of the most exciting opportunities of your career, working on some truly innovative projects – military and commercial. These include pilot Head-Up Displays (HUDs) using sophisticated opto-mechanical design solutions, helmet visor projector systems, vehicle management systems, and Hybrid Electric Vehicles.

Our people are truly end-user focused, prepared to go the extra mile to keep our service men and women ready for action and our commercial customers increasingly delighted.

## ENGINEERING

### MECHANICAL ENGINEERING

Mechanical Engineering within Platform Solutions (PS) is all about pushing boundaries whilst retaining extremely high integrity for our safety-critical flight systems. Our Mechanical Engineers design at the cutting edge and are involved throughout the complete design lifecycle; concepts, modelling, validation of principles, through to production drawings and real-time testing to deliver robust solutions.

### HARDWARE ENGINEERING

Hardware Engineers are always winning awards for innovation and technology! Within Platform Solutions, Hardware Engineering offers a broad and exciting remit, with the opportunity to hone skills and become an expert in a number of domains. We use the latest tools and techniques to push boundaries and match the needs of our innovative and world-leading product range.

### SYSTEMS ENGINEERING

Systems Engineers in Platform Solutions are involved throughout the project lifecycle, creating effective solutions to problems using product and technical domain knowledge. Exciting and rewarding, our engineers are critical to the success of our development programmes, ensuring that products are robust and meet customer needs.

### OPTICAL ENGINEERING

The skills of our Optical Engineers at Platform Solutions put us 5 to 10 years ahead of rival businesses, providing both us and our customers with distinct advantages in cutting edge Optical Engineering. Our globally-recognised team of innovative engineers work in one of the most exciting development areas in the business, and have established research and development partnerships with leading universities.

### MANUFACTURING ENGINEERING

Within Platform Solutions, we have a Manufacturing Engineering team which provides design for manufacture and assembly, production engineering, and test engineering support. Lean manufacturing tools and techniques and 6 Sigma methodologies (including Black and Green Belt training) are used to ensure we continue to meet and exceed customer satisfaction.

### ENGINEERING PROJECT MANAGEMENT

This is a key role within Platform Solutions, with wide-ranging responsibilities. Highly challenging and demanding, it is also a role which is highly rewarded with the opportunity to be involved in projects and technology that have the potential to reshape the industry.

## Want to be part of it?

### Defence Avionics Careers

If you think you are ready for a demanding challenge, and have the skills and competencies that match the role, please get in touch.

## FOR MORE INFORMATION

Details of current vacancies can be found at [www.baesystems.com/defenceavionics](http://www.baesystems.com/defenceavionics)  
Alternatively, if you can't find what you are looking for, email your cv and/or details of areas of interest to: [opportunitiesatrochester@baesystems.com](mailto:opportunitiesatrochester@baesystems.com), or speak with a member of our Resourcing team on 01634 203450.

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