

VACANCY

Position: Senior Principal Radar Engineer
Business unit: UK Radar & Naval Solutions
Reporting to: Head of Engineering
Location: Enfield, United Kingdom

Job Scope

The Senior Principal Radar Engineer is the primary point of contact for Radar Systems within the group. They drive the required development to keep company products competitive, ensuring this is delivered on time, within budget and in line with design procedures. They provide technical authority for radar products and their development. They produce and supervise detailed and accurate estimates both for new developments and existing product enhancements in accordance with requirements. They assist in the development of the careers and technical capabilities of other members of staff in the Group. In association with the senior management team, they assist in developing the product roadmap.

Job Functions

- Apply and communicate expert knowledge of radar systems, RF and associated techniques, architectures, and technologies, to all levels of the business
- Co-ordinate the technical delivery and/or act as technical authority for multiple work packages and programmes.
- Primary point of contact for Sales and Systems Engineering staff in the selection of appropriate products.
- Oversee and develop longer term strategies for:
 - Radar architecture and RF module development and integration.
 - Simulation suite development of radar and sub-systems.
 - Development of radar signal processing algorithms.
 - Field trials and data capture campaigns.
 - Radar performance prediction, assessment, and improvement.
- Oversee derivation of technical requirements and specifications as well as their verification & validation.
- Liaise with sub-system suppliers to ensure performance requirements are met.
- Deliver technical presentations, papers, and reports to internal and external customers.
- Ability to travel within the UK and overseas. Requests could be at short notice.
- Any other tasks associated with this role.

Essential Requirements

- A master's or bachelor's Degree from a good university.
- Expert knowledge of Radar Engineering, with significant recognised contributions to the field and/or company products
- Proven record of leading large, complex analysis and design projects/programmes on time and within budget
- Self-motivated, enjoys leading a team and coaching others
- Excellent command of written and verbal English
- Detailed knowledge/experience of the majority of the following:
 - MATLAB and digital signal processing
 - Pulse Compression, Doppler Filtering, CFAR and Detection
 - Radar Video or Image Processing, Plot Extraction and Tracking
 - Phased Array Radar
 - Embedded Software, Linux or FPGA
 - RF, Antenna or Radar Electronics
 - Systems Engineering Life Cycle

Desirable

- Comfortable with hardware test and debug using lab equipment.
- Experience of source control and issue tracking tools (e.g., git / JIRA)
- Other commonly used programming languages, e.g., Python, C/C++

Key Relationships

- Extensive technical liaison within HENSOLDT and with customers, suppliers, and collaborators.

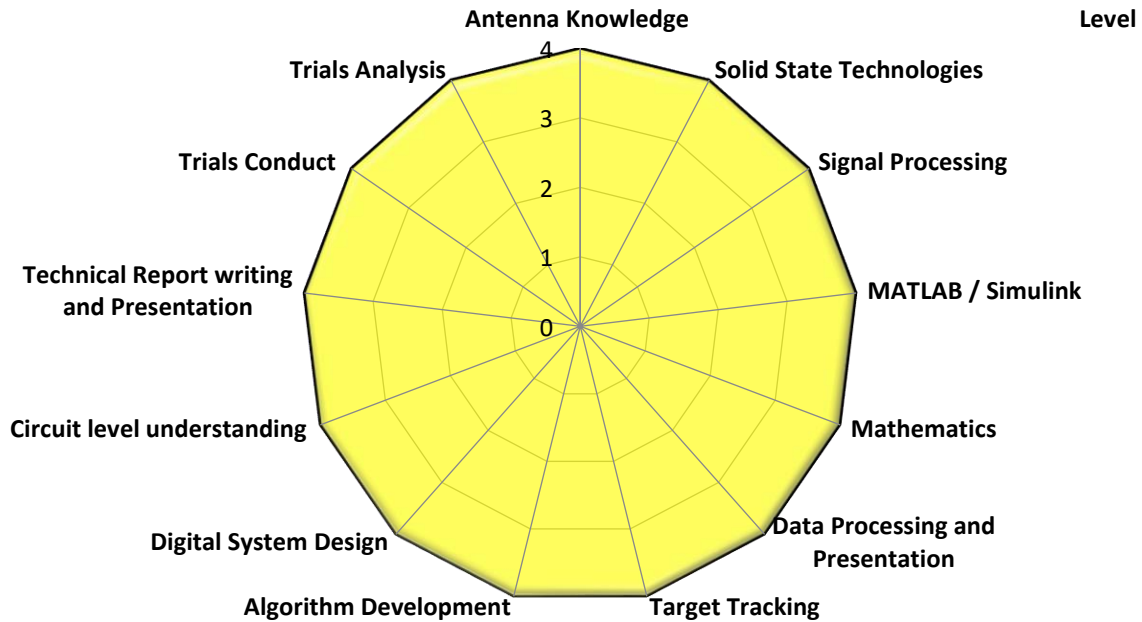
Employee Compliance

- The job holder will be expected to comply with any reasonable operational instruction or procedures relating to Company policies, reporting and controls. In particular Section 7 of the Health and Safety at Work Act 1974 provides a duty on every employee, while at work, to take reasonable care for the health and safety of themselves and of other persons who may be affected by their acts or omissions at work.
- It also places a duty on employees to cooperate with their employer so far as is necessary to enable their duties to be complied with including the appropriate use of personal protective equipment (PPE)
- Failure to comply with this duty may result in the Company invoking the disciplinary procedure.

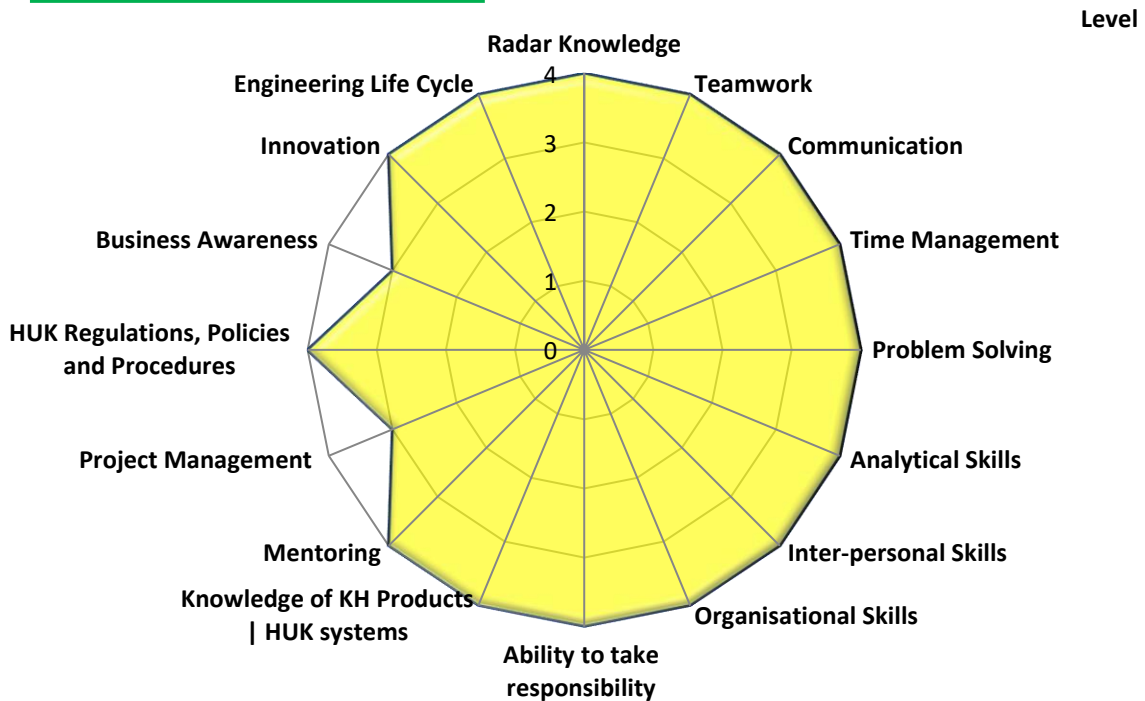
About HENSOLDT UK

HENSOLDT UK, formerly Kelvin Hughes, is a world leader in the development, manufacture and supply of maritime navigation and surveillance radar systems. HENSOLDT UK employs over 170 employees and are headquartered in Enfield, North London. The company sets the international standard in solid state radar sensor technology with SharpEye and its market leading navigation and tactical radar display systems.

Skills Matrix/Gap Analysis



Generic Skills Profile



- Grading System:**
- 0 No knowledge
 - 1 General low level of competency
 - 2 Competent in some respects
 - 3 Competent in most respects
 - 4 Fully competent in all aspects