Job Title: Systems Engineer (Technology)

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| Role Purpose (position scope) |
| This Systems Engineer role is a position within the Draken Chief Technology Officer organisation in support of a wide variety of internal and external customer technical work packages and projects. The role is responsible for applying systems engineering expertise to key projects, to ensure these projects are delivered and accepted to specification within agreed costs and timescales as part of a tailored LCM process. This role requires the ability to communicate both written and verbal complex technical ideas effectively to a wide range of SMEs. The Engineer will typically be part of an Integrated Product Team (IPT) and will technically contribute to the performance of the IPT to ensure that the technical system solutions and performance expectations are met or exceeded. The role will cover the following key responsibilities:Report to the Chief Engineer as the nominated Technical Lead for a specific Mission System technology or sub-system. Covering part or all, but not limited to, the following activities: Requirements compliance, system design, factory acceptance testing, qualification, training, operational delivery/support, optimisation, TLS and obsolescence/modification. This may include on a “as required basis” travel within the UK and overseas. Support the Chief Engineer to manage the Company/Technology Team ISO9001 Quality Process - by authoring, managing, maintaining and reviewing Technology Team documentation and procedures, preparing for and supporting internal and external ISO audits.Mission System Security Officer – Responsible for the security administration for appropriate security managed mission system hardware and software technologies. Responsibility includes but not limited to the auditing of controlled assets, control of software accounts and checking of log files of protectively marked assets. |

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| Line Manager | Dotted Line | Direct Reports | Dotted Line |
| Chief Engineer (Technology) | None | None | None |

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| Responsibilities |
| * Safety first. Operate in accordance with the company SHE standards.
* The safety, quality and design compliance of all activities.
* Act as technical lead and design authority for nominated projects through the entire lifecycle.
* Contribute to definition/development of Systems Engineering technical strategy.
* Development of technical proposals in support of new bids, understanding, negotiating and presenting existing capability and new customer requirements.
* Mission System Security Officer
* Maintain the Quality Management Process and Documentation with the Technology Team
* Maintain, grow and promote relevant technical skills and domain knowledge.
* Development and maintenance of key system engineering documents including system and sub system requirements, configuration and other technical documentation including manuals and training material.
* Understanding and reviewing systems, hardware, software, test and integration documentation to confirm that the hardware, software and architecture design are compliant.
* Fulfil tasks to agreed time, budget and quality.
* Recognizing the need for and proposing process and product improvements to ensure best practice and compliance with relevant standards (including safety).
* Application of, and compliance with, engineering processes and practices, including engineering framework, LCM and regulatory requirements.
* Travel within the UK and overseas to support business needs as necessary. Candidates must be able to enter countries that use Visa Waiver or Visa screening/entry processes.
* Any other duties reasonably requested by management within the capability of the incumbent.
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| Core Competences |
| * Excellent communication, technical report writing and presentation skills.
* The ability to work within a large organisation in a matrix management structure.
* Team oriented with proven communication, change management and influencing skills.
* Negotiating skills to influence and agree new requirements with key stakeholders including customers and users.
* Attention to detail with high levels of accuracy.
* Self-motivated, confident and assertive.
* Managing and prioritizing of own time across multiple activities to meet relevant deadlines and timescales.
* Knowledgeable of engineering processes, practices and measures of performance and ability to make recommendations to drive their continuous improvement.
* Ability to build excellent relationships with team leads and peers across Draken.
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| Experience |
| * Experience of working within a Systems Engineering environment and/or team through full lifecycle
* Knowledge Security Architecture, Accreditation & Tempest.
* Knowledge or one or more of the following: Radar System Principles, RF Design Principles, Microwave Antenna Systems, EW system and technologies, aerospace avionic systems, logic and digital control systems, FPGA systems, software engineering, computer networks.
* Familiarity with the product lifecycle and engineering design review process including requirements management, methodologies and toolsets.
* Strong ability to author technical documents and presentations, generate diagrams, schematics flowcharts, engineering drawings. Fluent use of Word, Power Point, Excel, Visio.
* Familiar with circuit diagrams, electrical components and wiring diagrams, connector types.
* Ability to work and deliver to time pressure and deadlines.
* Ability to technically lead on projects to drive the engineered solution through lifecycle.
* Demonstrable performance, work within a team to solve problems, promote organisational culture and deliver continuous improvement.
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| Key Measures |
| * The Safety, Quality and Regulatory compliance of all activities.
* Contractual delivery compliance, customer satisfaction and organisational reputation.
* Compliance with all Draken Policies, Processes and Procedures and company ethics.
* Contribute to delivery of continuous improvement and change in line with best practice.
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