



<b>Role Title</b>	<b>Design Engineer</b>			
<b>Job Family</b>	<b>Property and Construction</b>	<b>Sub Category</b>	<b>Technical Services Design</b>	<b>Grade</b> TPB5
<b>Behaviours</b>	<ul style="list-style-type: none"> <li>Making Effective Decisions</li> </ul>	<ul style="list-style-type: none"> <li>Working Together</li> </ul>	<ul style="list-style-type: none"> <li>Managing a Quality Service</li> </ul>	
<b>Purpose</b>	To design bespoke, complex security systems for installation ensuring that designs and systems are compliant with safety guidelines and legal legislation and meet customer requirements (FCDO, other British Govt. Depts. and Foreign Govt. Depts.)			

**Key Accountabilities**

- Produce the design, associated installation standards, equipment specification and scope of work specification to ensure project delivery to required standards
- Design out risk in projects and provide relevant Health and Safety information and considerations to ensure that safe and compliant working practices are followed
- Communicate with the delivery and installation teams to ensure technical solutions are understood and developed in accordance with design.
- Provide Quality Assurance ensuring that design/build/installation meets both Legal and Regulatory requirements before handing over to Operations.
- Provide technical advice during the installation and commissioning phase to support resolution of any technical issues that arise.
- Input to the development of new products through developing specifications, creating design standards and evaluating selected products in order to introduce next generation solutions.
- Produce and maintain a knowledge warehouse of standard documentation for installation practices and standards to maximise efficiencies in the delivery of standard, repeatable business.

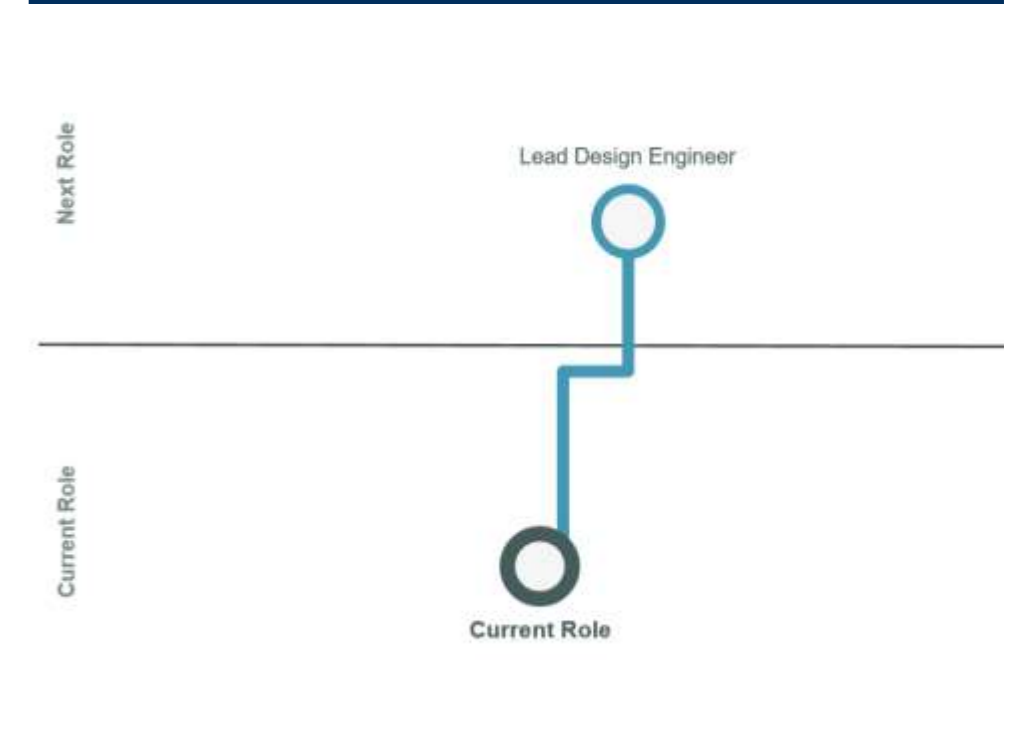
**Authority and Scope**

- Responsible for ensuring that design is safe, compliant with legislation and aligned to customer requirement, and for quality assuring end products.
- Lead on design for projects that are multi discipline and high in terms of size, complexity and risk.
- Review Contractor designs
- Budget – No formal budget responsibility but does input into development of business cases

**Internal and External Communications**

- Project Managers, Delivery Managers, Installers – to provide ongoing advice (and adjust design where required) during installation
- Estimating and Bid Management Team – ensure all dependencies captured in the proposal on major projects
- Customers – to determine requirements, and agree design
- 3<sup>rd</sup> party installers/ contractors – to communicate requirements, contribute to designs
- Manufacturers – to keep up to date with emerging products
- RTSS – providing 3<sup>rd</sup> level technical support

**Potential Next Career Moves**



**Skills**

- Working in secure environments
- Interpret technical documentation
- Technical design engineering
- Site surveys
- Commissioning work
- Stake holder management
- Costing products
- Problem solving

**Qualifications, Knowledge and Experience**

- Essential**
- Qualifications/Knowledge/Experience - Essential
  - Formal technical qualifications to BTEC/HNC level
  - Experience of secure building construction/physical security

- Desirable**
- Construction related health and safety course such as SMSTS / IOSH through CITB / NIBOSH or other approved provider.
  - Line Management experience