ROLE TITLE: Business Unit Chief Engineer

Reports to: Chief Technology Officer

Department: Sector Business Unit
Direct reports including contractors: Deputy Chief Engineer, Advanced Sector Engineers
Budget: N/A
Key relationships:

- Line manage and accountable for direct reports

- Functionally reporting into the CTO, with sector alignment to the Business Unit Director

- Working closely with the Business Unit Director, Programme Manager and Business Development Manager to secure, define and deliver programmes within the Sector

- Primary technical point of contact for customers within the Sector

- Formulate and maintain relationships across the business and with external organisations e.g. members, suppliers and other Catapult centres to share best practise and create collaborative opportunities

- Work Closely with Heads of Value stream and their teams to secure specialist engineering resource and develop technical strategy

- Represents and advocates for NCC at technical forums

ROLE PURPOSE:

- Accountable for the technical delivery of all programmes / projects within the sector by providing technical governance and where relevant, acting as technical authority / independent reviewer

- Ensure programme / project scope and deliverables meet customer requirements and expectations

- Lead the technical strategy for the sector business unit, working with the Value Stream Managers, customers and wider industry to formulate and deliver technical roadmaps

- To line manage and develop direct reports within the business unit

MAIN ACTIVITIES:

Strategy

- Provide the technical interface with Industrial members within the sector, ensuring that their short and long term product / industrial requirements are captured and understood

- Define the technical direction for the sector by formulating and maintaining sector technology roadmaps in line with member and wider industry demand

- In co-ordination with the CTO and value stream Managers, align capability development proposals with customer demand to generate technology roadmaps for the business

- Ensure the team's ability to meet customer demand by identifying capability gaps and working with the Value stream groups to secure necessary skills / equipment

Technical
- Provide technical governance across all programmes / projects within the sector business unit to ensure quality is maintained
- In co-ordination with the CTO and other Chief Engineers, generate the technical framework for how work is conducted within the sector business units
- Provide technical governance and mentoring to TA's / IR's to ensure that project outputs meet customer requirements
- Draw upon own expertise to resolve complex technical issues affecting the business unit
- Lead technical scoping activity for programmes within the business unit and support bid writing for funding opportunities
- Continually develop own knowledge, expertise and network within the sector

Customer Interaction & Networking
- Primary technical point of contact with member companies within the sector
- Host technical Road-mapping activity to identify customer short / long term needs and develop technical strategy for the sector.
- Work with Capability teams to integrate customer needs into business strategy
- Establish and maintain effective partnerships with sector based members and the wider UK composites industry
- Represent the NCC in relevant technical forums, champion our technical strategy along with the wider UK Composites Strategy

Resource Management and Team Leadership
- Manage the sector based engineering resource; conduct PDR's / PDP's
- Identify technical requirements for programmes within the sector, working closely with Heads of Value Stream to secure appropriate resource
- Develop the Sector based engineering team, ensuring the necessary skills / expertise is acquired to meet the sector demand
- Inspire and challenge the project engineering team to continually improve effectiveness and efficiency

This Job Description is not an exclusive or exhaustive list of all activities that an individual in this position may be asked to perform. You may be required to undertake other responsibilities or activities, as requested by your line manager, to support your team or wider NCC activities."

PERSON SPECIFICATION

Essential	Desirable
Qualifications/Experience	Qualifications/Experience
▪ Masters in Mechanical / Materials Engineering or other relevant degree / qualification	▪ Chartered Engineer with a professional institute (IMechE, IOM3)
	▪ An established reputation for excellent knowledge in the composites field and a track

Essential	Desirable
- Significant relevant experience of working within the composites Industry - Or recognised Nationally for knowledge and expertise within the sector - Experience of people management - Significant experience of providing technical governance and leadership to engineering programmes - Experience of managing time, cost and quality in engineering projects	record of carrying out world class innovative research and development programmes. - Experience of writing technical proposals for funding bodies such as TSB, EPSRC, EU Frameworks - Broad knowledge of composite design, manufacturing and verification / validation methods
Behavioural Competencies	Behavioural Competencies
- Ability to form effective relationships internally across the business, and externally with customers, suppliers and other academic / development centres - Proven ability of leading and motivating a team to deliver effective results - Competently address engineering problems involving uncertainty, ambiguity, wide ranging and sometimes conflicting technical and non-technical factors - Proven ability to apply broad knowledge and data driven processes to make key technical decisions - Demonstrated ability to lead technical discussion when working with technical experts across the sector	- Recognised training in people management, motivation and appraisal - Experience of technical strategy/roadmap development and delivery - Experience of developing and implementing technical / business processes

APPROVAL

(Job Descriptions must be agreed by the relevant manager and HR)

I agree that this job description conveys an accurate description of this job:

Manager:

| Name | Job Title | Signature | Date |

HR (for senior roles this must be signed by the Head of HR):

| Name | Job Title | Signature | Date |