

Candidate Information

Position:	AMIC Chief Technology Officer
School/Department:	AMIC
Reference:	24/111999
Closing Date:	Monday 1 July 2024
Salary:	£70,035 - £76,032 per annum.
Anticipated Interview Date:	Tuesday 16 July 2024
Duration:	Permanent

The Advanced Manufacturing Innovation Centre (AMIC) will transform industrial innovation in the Belfast Region and across Northern Ireland (NI). It will enable companies to grow their business, taking advantage of opportunities to deliver new products and processes. It will foster innovation through collaboration across disciplines and sectors linking pioneering NI capability with other centres of expertise across the UK, on the island of Ireland and beyond.

The £100m Belfast Region City Deal investment in AMIC will turbo-charge manufacturing innovation in Northern Ireland through its internationally recognised capabilities and world-class facilities, designed to connect industry need, research and skills development to deliver increased innovation and investment in NI, resulting in more high quality jobs.

Job Purpose:

We are seeking a visionary leader to join our executive team as our Chief Technology Officer (CTO) with a blended focus on both technology strategy and business development.

As a member of the C-suite, you will play a crucial role in shaping and delivering our technology roadmap, driving innovation, and fostering a culture of technological excellence. You will also be responsible for building and managing strategic partnerships, identifying and pursuing new business opportunities, and translating technology into tangible business value. You will establish a global reputation for AMIC across the four groups of; Digital Factory, Smart Design, Nanotech and Photonics, Polymers and Composites.

Major Duties:

1. Technology Strategy:

- a. Develop and lead implementation of a comprehensive technology strategy to underpin AMIC's overall business goals and impact metrics across the four AMIC groups.
- b. Lead the selection, implementation, and integration of key technologies to ensure operational efficiency and agility across the four AMIC groups.
- c. Oversee the research and development (R&D) strategy, driving innovation and exploring emerging technologies.
- d. Manage the technology budget and resources effectively to maximize ROI and impact.
- e. Foster a culture of continuous improvement and technological excellence across AMIC.

2. Business Development:

- a. Ownership of AMIC business development pipeline with accountability to deliver group wide targets.
- b. Identify and evaluate new business opportunities aligned with AMIC's technology roadmap.
- c. Establish long term strategic relationships with key industry and R&D partners.
- d. Develop and implement strategies for market expansion and revenue growth.
- e. Lead negotiations and manage contractual agreements.
- f. Develop a strategic approach to AMIC representation at industry events and conferences, building brand awareness and thought leadership.

3. Leadership and Communication:

- a. Build and lead a high-performing team of technology strategists and technical business development practitioners.
- b. Effectively communicate the technology vision and strategy to all stakeholders, both internal and external.
- c. Collaborate closely with other C-suite members to ensure alignment and synergy across all business functions and groups.
- d. Foster a culture of openness, transparency, and trust within the organisation.

Essential Criteria:

1. Bachelor's degree, equivalent or higher qualification in Manufacturing, Engineering, or a related field.
2. Significant experience in a senior leadership role within the manufacturing technology industry.
3. Proven track record in developing industry stakeholder relationships and delivering high quality on time and to budget project outcomes.
4. Experience of developing and implementing successful technology strategies.
5. Strong track record in securing R&D funding from local, national and international bodies.
6. Demonstrable track record of development of business networks, strategic relationships with businesses and securing revenue to benefit industry.
7. Proven experience and knowledge of NI manufacturing sector capabilities across large to small businesses.
8. Robust and resilient, with strong presence and executive impact with the ability to confidently deliver complex messages to a diverse and demanding audience and the ability to negotiate and influence at all levels.
9. An analytical mindset with the ability to manage and mitigate risk, with a positive creative instinct to develop solutions to support the objectives of The Advanced Manufacturing Innovation Centre.
10. Excellent communication skills – ability to communicate effectively with colleagues across the institution as well as with outside agencies and a strong commitment to collaboration and collegiality.
11. Demonstrable ability to build networks with and to influence funding bodies, political contacts and major corporate partners.
12. Demonstrable commitment to the mission and values of Queen's University Belfast, AMIC and the objectives of BRCD.
13. Passionate about innovation and driving business growth through technology.

Desirable Criteria:

1. Master's degree or equivalent qualification in a relevant area.
2. Proven experience of successfully leading multi-disciplinary manufacturing R&D teams.
3. Demonstrable experience of aerospace and materials handling sectors.
4. Experience in digital manufacturing leadership and deployment within a manufacturing environment.
5. Experience of analysing and developing workforce capabilities.
6. Experience of delivering high quality impact with international OEMs and SMEs.