

Candidate Information

Position: Head of Sustainable Manufacturing
School/Department: AMIC Core
Reference: 24/111792
Closing Date: Sunday 14 April 2024
Salary: £58,850 - £68,194 per annum.
Anticipated Interview Date: Week commencing 29 April 2024

AMIC:

AMIC - a £100M investment through the Belfast Region City Deal - is a collaborative, innovative powerhouse of advanced manufacturing set to elevate our region globally.

We are supporting economic growth and prosperity for Northern Ireland by creating high quality jobs and increasing inward investment through high value manufacturing innovation clusters.

We are driving industrial transformation, paving the way for future technologies and competing globally with a more sustainable focus. This role will be key to achieving AMIC's objectives, and delivering important societal benefits.

Our launch team of over 40 staff has core capabilities in digitalising manufacturing, smart design, sustainable polymers & composites and smart nanotech. We're excited to be expanding the team throughout 2024.

JOB PURPOSE AND IMPACTS:

We are seeking an experienced, dynamic and innovative leader with passion, expertise and experience in sustainable manufacturing to lead development and implementation of the Sustainable Manufacturing and Net Zero strategy for AMIC.

You will be responsible for developing strategic relationships and partnerships with key technology, industrial, education, government and academic stakeholders, establishing a portfolio of activity to deliver this. The role will seek to identify collaborative research, innovation and knowledge transfer opportunities, to embed sustainability and net zero impacts across AMIC and beyond.

MAIN ACTIVITIES/RESPONSIBILITIES:

1. Strategic Development and Delivery:
 - a. To develop strategically important relationships with key stakeholders from the business and government communities regionally, nationally and internationally and shape a manufacturing decarbonisation strategy for Northern Ireland.
 - b. To lead establishment and deliver a clear vision and strategy for AMIC for sustainable manufacturing and industrial decarbonisation across the sector.
 - c. To develop and oversee a portfolio of funded projects and initiatives to advance AMIC's Sustainable Manufacturing and industrial decarbonisation strategy.
2. Business Development and Impact:
 - a. To develop AMIC offering to manufacturers seeking to develop and implement a decarbonisation strategy, developing and implementing strategies for identifying and realising opportunities that achieve real world impact.
 - b. To lead the development and scale up of innovative solutions to drive decarbonisation and sustainability and cultivate a cluster of such businesses in NI that builds collaborative research and innovation programmes and drives realisation of AMIC's societal and economic outcomes.
 - c. To establish pathways to impact for solutions developed or supported by the AMIC team including licencing, spinouts, scale ups.

3. Operational Delivery and Change:

- a. Work with the CEO to establish and oversee a sustainability strategy for AMIC's own operations and activities in line with those of the University and providing an exemplar to the manufacturing community including demand reduction.
- b. To lead development and management of relationships with businesses, research institutes and Further Education colleges within the region seeking to ensure a joined-up and cohesive approach to sustainable industry-related initiatives and skills development.
- c. Ensure delivery of quality project outputs on time and on budget across AMIC's capability groups, with linked strategies for dissemination, building brand awareness and thought leadership.

ESSENTIAL CRITERIA (Education, Experience, Skills, Knowledge, etc.):

1. Honours degree, equivalent or higher qualification in Manufacturing, Sustainability, Engineering, or a related field.
2. Significant evidence of technical excellence and understanding of innovation in sustainable manufacturing.
3. Significant and relevant experience in a leadership role within a sustainability and/or engineering field, including developing and motivating collaborative project teams to meet financial and programme delivery targets.
4. Proven track record with recent, relevant successes in developing industry and academic stakeholder relationships and delivering high quality, on time, and within budget project outcomes for a range of complex and innovative projects, including at least one complex and large-scale project (£1m+).
5. Strong and evidenced understanding of business development principles and practices.
6. Strong track record in securing or contributing successfully to R&D secure revenue or funding applications from local, national and international bodies.

ESSENTIAL CRITERIA (Personal Qualities):

1. Robust and resilient, with strong presence and the ability to confidently deliver complex messages to a diverse and demanding audience and the ability to negotiate and influence at all levels.
2. 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.
3. 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.
4. Demonstrable ability to build networks with and to influence funding bodies, major corporate partners and key stakeholders.
5. Demonstrable commitment to the mission and values of Queen's University Belfast, AMIC and the objectives of the Belfast Region City Deal.
6. Commitment to personal and team development and growing expertise in sustainable manufacturing.
7. Passionate about innovation and driving business growth through technology.

DESIRABLE CRITERIA:

1. Hold a postgraduate qualification in a relevant field.
2. Demonstrable experience of sustainable manufacturing research and innovation.
3. Experience of working with international OEMs and SMEs.
4. Qualified proficiency or relevant experience with carbon accounting/ carbon footprint analysis/ Life cycle analysis or other relevant systems.