

Job title: Strategic Infrastructure Development Manager

Line Management: None

Team: Engineering

Reports to: Managing Director

Location: Bristol Science Park

Working at IAAPS

At IAAPS we work inclusively to bring together creative and inventive minds to the greatest challenges. As a team, we believe that diversity of experience, perspectives, and backgrounds leads to a better culture, where our people feel that they belong, contributions are recognised and rewarded, learning is actively encouraged, and difference is celebrated. **Our values are:**

**Trusted
& credible.
An Influencer**

Globally recognised for our expertise and industry-focused R&I; we attract and invest in the brightest minds to solve the greatest challenges within automotive propulsion.

Collaborative

We work inclusively to bring together the best minds to solve challenges. Our partnerships go beyond the transactional. We work flexibly with our partners to co-create solutions and insight.

**Thorough &
committed
to quality
delivery**

Intellectually rigorous and investigative; we step back from problems to explore challenges and deliver quality insights to our partners.

Curious

We value and invest in the people, systems and processes needed to deliver for our partners.

What's involved?

IAAPS is a world-leading centre of excellence supporting industry in the transition to net zero with the simulation, development and validation of clean, efficient and affordable low carbon propulsion technologies. Our recently commissioned, purpose-built facility located at the Bristol & Bath Science Park encompasses 11,000 sqm of state-of-the-art research and development capability including green hydrogen and extensive HV power together with HiL facilities and a digital lab, as well as vast collaboration space and offices. The exceptional quality of the work we do at IAAPS and the service we provide to all our stakeholders is part of who we are – there's no room for 'good enough'.

In this highly strategic technical role you will be responsible for the continued development and expansion of our physical infrastructure and associated capabilities to support the overall IAAPS mission. Working closely with the engineering and academic teams you will identify potential sources of funding from national and international governmental and private sources; develop bids for funding applications; and then manage the subsequent installation and commissioning projects with external specialists, consultants, installation contractors and IAAPS engineers.

You will need a good understanding of propulsion system test and validation technologies together with the building infrastructure that supports these physical assets. Working with the IAAPS specialists you will be expected to develop technically and commercially compelling bids which you will then support through the assessment phases with technical and commercial presentation material. With the support of our world-class academic and engineering teams, reporting to the Managing Director you will be empowered to exceed ambitious targets and drive our expansion.

The role involves:

- > In conjunction with the IAAPS management team and the University to develop a strategic capability expansion plan, and identify suitable potential governmental, or private funding opportunities to expand our physical capabilities.
- > Work hand in hand with our engineers and academics to understand their requirements, the industry trends and the funding landscape.
- > Develop technical specifications and the associated business case analysis necessary to secure internal IAAPS or University funding where this is available.
- > Working very closely with the IAAPS team and appropriate specialists you will develop compelling bespoke, EOIs, bids and proposals together with the necessary supporting material such technical specification, commercial justification, business case analysis, value for money and pay back analysis.
- > Support the bid through the expression of interest and assessment phases with face-to-face meetings and presentations to funders as necessary.
- > Use your technical experience to generate preliminary and full requirement specifications and tender documents for capital infrastructure, facilities and equipment.
- > Generate initial cost estimates using your industry experience and our supplier network.
- > Manage highly technical capital infrastructure projects through to completion and commissioning - to quality, time and budget by developing appropriately detailed project and cost plans. Liaising closely with architects, M&E Engineers, installation contractors, suppliers and expert consultants to ensure seamless project delivery.
- > Ensure all appropriate legislative and safety requirements are considered and implemented.
- > Liaise with potential long term users of the IAAPS building or facilities to understand their research and capability needs identify suitable suppliers and manage and infrastructure installation projects.

What do I need?

- > Masters degree or equivalent relevant experience in mechanical, electrical or building services or M&E engineering.
- > A good understanding, or the ability to quickly develop a good understanding of propulsion system test and validation facilities and the necessary supporting building infrastructure. (test rigs, power distribution systems, fuel, hydrogen etc)
- > Proven track record of winning and delivering medium to large (circa £1M to £20M) engineering capital infrastructure projects to time and budget.
- > Demonstratable ability to create compelling bid documents with the necessary technical and commercial / business case supporting information against tight timescales.
- > Demonstrated success in winning funding working with UK and EU national and regional funding bodies such as, UKRI, Research England, Innovate UK, EPSRC, APC, ATI, Horizon Europe etc., together with the SW regional bodies and development agencies.
- > Proven record of closing complex deals, demonstrating strong negotiation and closing skills.

- > Ability to lead, motivate, and engage people across the whole IAAPS institute and University of Bath to achieve results
- > Strong oral and written communication skills and the ability to negotiate effectively with funding bodies, suppliers and contractors.
- > Excellent project management and organisational skills.
- > Experience in working with external consultants such as M&E engineers, architects, cost consultants, test equipment suppliers, bid writers and business case analysis
- > Demonstrated Experience in managing installation contractors and specialist supplier installation projects to time quality and budget
- > Evidence of successful client and supplier management; strong relationship-building skills with the ability to build and maintain an internal and external network across cross-functional teams.
- > Able to understand your own limitations and involve the correct technical specialists at the right time in the process.
- > Good understanding of the relevant safety legislation, standards and guidelines (ATEX, DESAR, LOLA, PSSR etc plus ISO 9001, ISO 27001, ISO 14001, ISO 17025 & ISO 45001)
- > Compliance to our ISO9001 Quality Management and ISO27001 Information Security Management System Policies and Procedures.
- > Experience in the assessment and generation of Risk Assessments and Method Statements, ideally IOSH or NEBOSH qualified
- > Comfortable and happy working in a young, dynamic organisation; able to stretch from the strategic to the operational as and when needed.
- > Agile and able to work in a fast-paced team and deal successfully with challenging situations.
- > Strong presentation skills; able to gain the confidence of a technical audience.