



Production Engineering Manager – KTP Associate

Reference: R220622

Salary: Up to 32,000 per annum depending on experience with up to £4000 dedicated for professional and personal development

Contract Type: 24 months (fixed term)

Basis: Full Time

Job description

This 24-month project takes the form of a Knowledge Transfer Partnership (KTP) (<https://www.ktp-uk.org/>), which provides you with practical and formal training and the availability of support from experienced mentors from [Hospital Direct \(Marketing\) Ltd](#), [Aston University](#) and [Innovate UK-KTN](#).

Job Purpose:

The project will aim to implement digitalisation of key operational and production control processes by adopting an Industry 5.0 approach that will drive productivity and efficiency improvements, and sustainable business growth in the healthcare sector.

It will drive HDL's digitalisation transition by aligning:

- Technologies: Integrating production planning and control processes by exploiting digitalization to increase efficiency and reduce costs.
- Business processes: integrating internally and in the supply chain by introducing new technologies and data-driven decision-making.
- Human Factors: The KTP will implement a culture that supports the new integrated business processes by developing employee skills and information sharing.

Environmental and sustainability: Embedding an R&D focussed approach within HDL to facilitate sustainability projects, to meet major customers' (e.g. NHS) demand for net zero carbon suppliers.

The KTP project addresses HDL's real business need to improve its production processes and efficiency to reduce production costs and enhance sustainability by addressing four strategic objectives:

- Business Growth – exploiting growing market opportunities in the UK healthcare sector through a comprehensive approach to addressing market drivers including cost, sustainability (net zero Carbon) and reshoring overseas manufacture
- Expanding premises - to build manufacturing capacity.
- Expand Export Markets - e.g. Australia, Middle East, Europe.
- Improving Sustainability - becoming a net zero carbon supplier.

The role:

This role is an exciting opportunity for candidates qualified to MSc level, ideally with a first degree in either Production Engineering or Business and Computing, followed by a Masters/ MBA focussed on Business/ Operations Management with relevant IT modules. The candidate should have experience of working in a manufacturing setting with some hands-on experience of digital manufacturing and modern management practices. They should also have an understanding, at least at a conceptual level of Industry 5.0.

Main duties and responsibilities:

- ▶ Review of the current operations and procedures on manufacturing processes and product development.
- ▶ Setting up structures for project management and oversight
- ▶ Mapping established good practices on Industry 5.0
- ▶ Conducting an in-depth review of the current managerial process. These processes will be reviewed at a strategic, tactical, and operational level simultaneously.
- ▶ Creation of a strategic roadmap for a productivity orientated cultural change within HDL.
- ▶ The co-creation and coaching in new semi-automated productivity measures (digital toolkit)

Additional responsibilities

- ▶ Engage in continuous personal and professional development in line with the demands of the role, including undertaking relevant training and development activities to develop themselves and support the development of others
- ▶ Establish Project Steering Group (PSG);
- ▶ Ensure and promote the personal health, safety and wellbeing of staff.
- ▶ Carry out duties in a way which promotes fairness in all matters and which engenders trust. Promote equality of opportunity and support diversity and inclusion as well as working to support the University's environmental sustainability agenda and practices.
- ▶ The associate is expected to work on site for the most part of employment. Some travel to key clients may also be required.

Additional Benefits

- ▶ Up to £4000 for personal and professional development for the duration of the project.
- ▶ 25 days of annual leave per year

Person specification

	Essential	Method of assessment
Education and qualifications	Qualified to MSc level, ideally with a first degree in either Production Engineering or Business and Computing, followed by a Masters/ MBA focussed on Business/ Operations Management with relevant IT modules	Application form
Experience	<p>Experience of working in a manufacturing setting with some hands-on experience of digital manufacturing and modern management practices</p> <p>Experience of business simulation software e.g. Anylogic</p> <p>Experience or technical understanding about working with hardware</p> <p>Knowledge of PLC control systems; Developing data collection apps</p> <p>Accessing data, data analytics, Data Flow Diagrams, Value Stream Mapping</p> <p>Experience with industrial Engineering Diagnostic tools</p>	Application form and interview
Aptitude and skills	<p>An understanding, at least at a conceptual level of Industry 5.0.</p> <p>Swimlane Diagramming Techniques for modelling business processes</p> <p>High-level programming languages e.g. Python</p>	Application form and interview

	Desirable	Method of assessment
Aptitude and skills	The Associate should have a desire to work with technology and a fascination in how technology can help improve	Application form and interview

	Desirable	Method of assessment
	<p>strategic and operational practices in a manufacturing organisation.</p> <p>Management skills either in an academic or industrial environment</p>	

How to apply

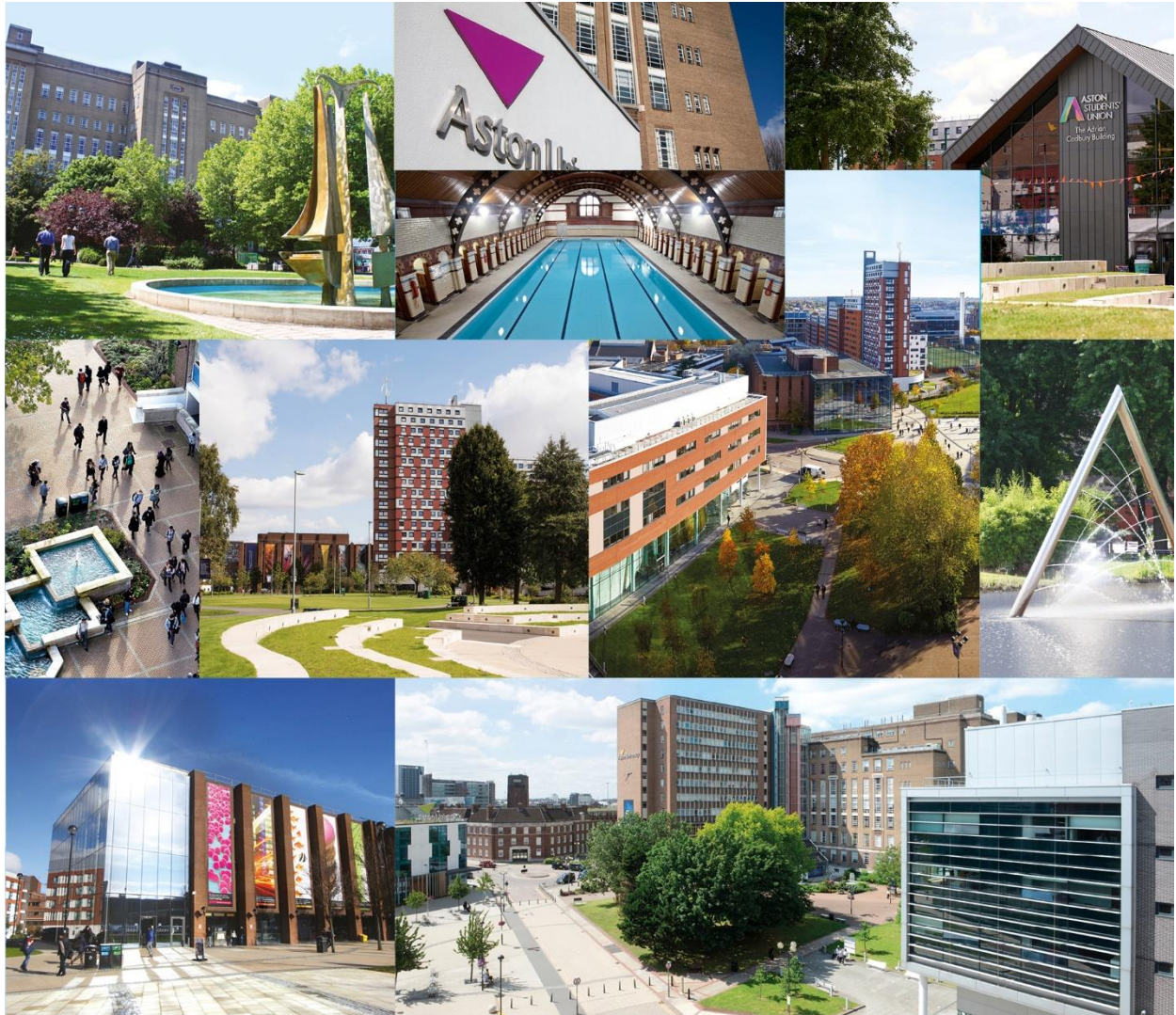
You can apply for this role online via our website <https://www2.aston.ac.uk/staff-public/hr/jobs>.

Applications should be submitted by 23.59 BST on the advertised closing date.

All applicants must complete an application form, along with your CV.

Any CV sent direct to the Recruitment Team and Recruiting Manager will not be accepted.

If you require a manual application form then please contact the Recruitment Team via jobs@aston.ac.uk.



Contact information

Enquiries about the vacancy:

Name: Dr Donato Masi

Job Title: Reader, Aston Business School

E-mail: d.masi@aston.ac.uk

Enquiries about the application process, shortlisting or interviews:

Recruitment Team via jobs@aston.ac.uk or 0121 204 4500.

Additional information

Visit our website <https://www2.aston.ac.uk/staff-public/hr> for full details of our salary scales and benefits Aston University staff enjoy

Salary scales: <https://www2.aston.ac.uk/staff-public/hr/payroll-and-pensions/salary-scales/index>

Benefits: <https://www2.aston.ac.uk/staff-public/hr/Benefits-and-Rewards/index>

Employment of Ex-Offenders: Under the Rehabilitation of Offenders Act 1974, a person with a criminal record is not required to disclose any spent convictions unless the positions they are applying for is listed as an exception under the act.

Eligibility to work in the UK:

Post-Brexit transition period / EU Settlement Scheme

The post-Brexit transition period ended on 31 December 2020. If you are an EU/EEA citizen and you were a resident in the UK before 31 December 2020, you and your family members (including non-EU citizens) need to apply to the EU Settlement Scheme to continue to live, work and study in the UK beyond 30 June 2021. The deadline for applying to the EU settlement scheme is 30 June 2021. You can apply via the Government webpage

<https://www.gov.uk/settled-status-eu-citizens-families>

Irish Nationals do not need to apply for settlement as they retain the right to work in the UK.

New immigration system for EU/EEA and Swiss Nationals who were not resident in the UK before 31 December 2020

A new immigration system has been introduced for people arriving in the UK from EEA countries with effect from 1 January 2021. In addition to those who have always required a visa, EU citizens moving to the UK to work will need to get a visa in advance. You can find more information on the following website. Candidates should check their eligibility to enter or remain in the UK in advance of making any job application via the UKVI website <https://www.gov.uk/browse/visas-immigration/work-visas>. Before applying you should ensure that you meet the requirements, including meeting the English Language requirements. If you do not meet the eligibility criteria, any application for a work visa would be unsuccessful. If you require a visa to work in the UK the most common types of visa are:

Skilled Worker Visa

<https://www.gov.uk/skilled-worker-visa>

Global Talent Visa

If you are a leader or potential leader in one of the following fields you may be eligible to apply for a Global Talent Visa:

- Academia or Research
- Arts and Culture
- Digital Technology

Please click the following link for further information and to check your eligibility for this visa.

<https://www.gov.uk/global-talent>

Equal Opportunities: Aston University promotes equality and diversity in all aspects of its work. We aim to ensure, through our admissions policies for students, and our staff recruitment and selection processes that we encourage applications from all groups represented in the wider community at a local, national and international level.

The University will endeavour not to discriminate unfairly or illegally, directly or indirectly, against student or potential students, staff or potential staff. This commitment applies to all functions of the University and to any stage of an individual's career.

An Equal Opportunities Monitoring Form is included within the application form. Data you provide on the Equal Opportunities Monitoring Form will be included in a general database, for statistical monitoring purposes, enabling the University to monitor the effectiveness of its Policy, Codes of Practice and Guidelines on Equal Opportunities in Employment. Individuals will not be identified by name.

Data Protection: Your personal data will be processed in compliance with the Data Protection Act 2018 and the General Data Protection Regulation ((EU) 2016/679) ("GDPR"). The University's Data Protection Policy and Privacy Notices, including the Job Applicant Privacy Notice can be found at <https://www2.aston.ac.uk/data-protection>. Your application will only be used to inform the selection process, unless you are successful, in which case it will form the basis of your personal record with the University which will be stored in manual and/or electronic files. Information in statistical form on present and former employees is given to appropriate outside bodies.

Full details of our terms and conditions of service and associated policies and procedures are available online at <https://www2.aston.ac.uk/staff-public/hr/policies>

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gets real.**