POTENTIAL

Digital Transformation and Business Intelligence KTP Associate

Reference: 0377-23

Salary: £33,000 - £35,000 depending on experience with up to £4000 dedicated development and training budget

Contract Type: Fixed Term (24 months)

Basis: Full Time

Job description

This 24-month project takes the form of a [Knowledge Transfer Partnership](#) (KTP), which provides you with practical and formal training and the availability of support from experienced mentors from [Protaform Springs and Pressings](#), [Aston University](#) and [Innovate UK](#).

Job Purpose:

This Knowledge Transfer Partnership (KTP) project aims to review, integrate and optimise the operational and business management processes and exploit the benefits of digitisation to deliver improved efficiency and productivity at Protaform Springs and Pressings (PSP). The project will address PSP's strategic need to address limitations set by incumbent processes and improve operational efficiency to reduce costs, improve service and enhance sustainability.

This is an exciting position for an MSc level graduate with 1-2 years' experience of working in a manufacturing setting to implement Industry 5.0 principles to address / replace current paper-based process and lack of integration across the business.

As a KTP Associate you will also develop a broad set of skills in project management, stakeholder engagement, and involvement in the delivery of a strategic project in an innovative business. The skills developed during the project will enable you to broaden your future career opportunities.

Candidate Profile: Qualified to MSc level, ideally with a first degree in either Production or Industrial Engineering followed by a master's degree focussed on Business/ Operations Management with relevant IT data analysis modules.

Skills/ experience required include:

- 1-2 years' experience working in manufacturing settings with some experience of technologies such as smart/digital manufacturing/ERP technologies
- Knowledge of modern management practices such as lean and six sigma
- Understanding, at least at a conceptual level, of Industry 5.0
- Some technical understanding, practical experience or a willingness to learn:
- Theoretical framework for implementation of Industry 5.0 which will include a reference model and systems model to evaluate PSP digital maturity
- Production management flow analysis techniques to measure KPIs
- Management tools such as Soft Systems Methodologies, Business model Canvas and Value Stream Mapping
- Digital twins and digital dashboards
- Accessing data, data analytics, Data Flow Diagrams.
- Working with hardware and programmable logic control (plc) systems
- High-level programming languages e.g., Python
- Knowledge of statistical software and simulation packages e.g., SPSS, R, Anylogic.

Main duties and responsibilities

- ► Review of top-level business strategy including supply chain, partnership and customer issues.

- ► Create a culture that embraces new integrative technologies and a forward-thinking Industry 5.0 philosophy to empower employees to make data driven decisions.

- ► Integrate new processes and information flows with the supply chain in parallel with introducing a data-based decision-making process.

- ► Review, improvement and implementation of better integration between design and production planning and control, and supply chain and reduce reliance on manual systems

- ► Clean, analyse and display data in a quick and easily accessible format (e.g., digital dashboard).

- ► Identify any skills gaps in the company and develop appropriate learning material and deliver training workshops.

- ► Deliver regular project updates across the business to ensure all staff are updated on the progress of the KTP project.

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.
- ► 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.

Person specification

	Essential	Method of assessment
Education and qualifications	Qualified to MSc level, ideally with a first degree in either Production or Industrial Engineering followed by a master's degree focussed on Business/ Operations Management with relevant data analysis and IT modules.	Application form
Experience	1-2 years' experience of working in a manufacturing setting with some experience of digital manufacturing and modern management practices.	Application form and interview

Aptitude and skills	▶ 1-2 years' experience working in manufacturing settings with some experience of technologies such as smart/digital manufacturing/ERP technologies
	▶ Knowledge of modern management practices such as lean and six sigma
	▶ Understanding, at least at a conceptual level, of Industry 5.0
	▶ Some technical understanding, practical experience or a willingness to learn:
	  - Theoretical framework for implementation of Industry 5.0 which will include a reference model and systems model to evaluate PSP digital maturity
	  - Production management flow analysis techniques to measure KPIs
	  - Management tools such as Soft Systems Methodologies, Business model Canvas and Value Stream Mapping
	  - Digital twins and digital dashboards
	▶ Accessing data, data analytics, Data Flow Diagrams.
	▶ Working with hardware and programmable logic control (plc) systems.
		Application form and interview

	Essential	Method of assessment
	▶ High-level programming languages e.g., Python ▶ Knowledge of statistical software and simulation packages e.g., SPSS, R, Anylogic	

|	Desirable	Method of assessment
Education and qualifications	PhD or research degree in a related area. Professional qualifications in a related area.	Application form and interview
Experience	Project management, team leadership, people and influencing skills. Experience in developing a technological / organisational innovation. Conducted a research relevant to the role.	Application form and interview
Aptitude and skills	A team player with the ability to solve problems in systems involving people and technology.	Application form and interview

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.
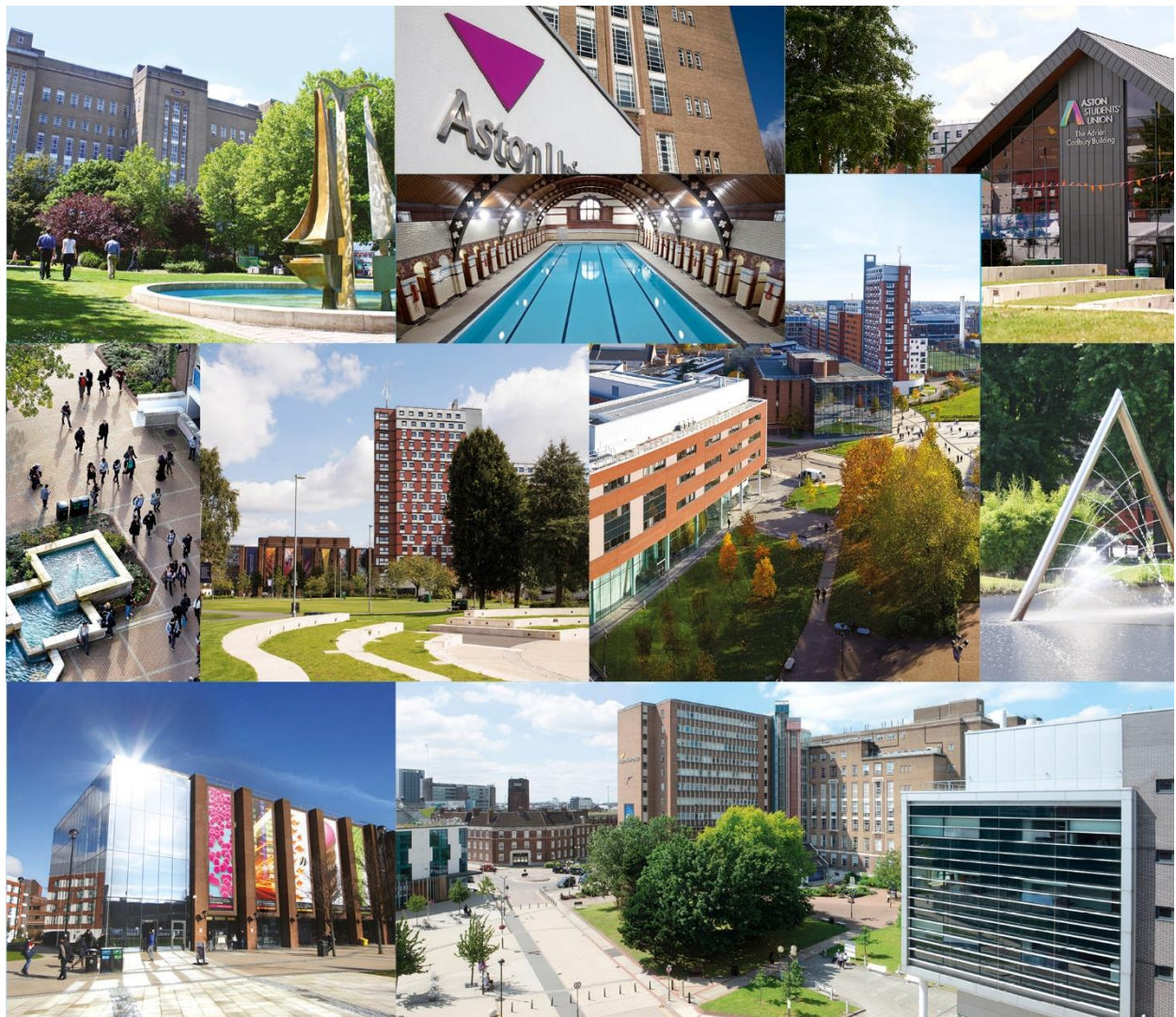
Contact information

Enquiries about the vacancy:
Name: Prof Ben Clegg
Aston's Business School
E-mail: b.t.clegg@aston.ac.uk

Name: Dr Donato Masi
Aston's 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 applying for is listed 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

Aston University
Birmingham
B4 7ET, UK.
+44 (0)121 204 3000
aston.ac.uk

Where change gets real.