

Estate Data Technician (Fixed Term)

Estates Division

Closing Date: 28 October 2024
Job Reference: XM43556



Estate Data Technician (Fixed Term)

Salary:

£32,332 - £38,205 pa

Staff Group:

Assistant

Contract:

Fixed Term – 2 years

Location:

Cambridge

Faculty / Department:

Estates Division

Working Pattern:

Monday to Friday

Purpose of the role

The main purpose of this role is the production, co-ordination, and upkeep of University drawings and associated data. To maintain accurate and up to date record of as-built assets, CAD drawings and 3D models for the University's Estate, including site plans, floor plans, elevations, roof plans, drainage plans etc.

The role holder liaises with a wide range of individuals on a daily basis from internal project managers, facilities management team, Department buildings managers, building surveyors and external consultants and must have the ability to communicate with all levels in a professional manner.

The outcome is to ensure that the University has an up-to-date record of all locations, buildings, rooms and spaces within the Estate. To advance the use of GIS and BIM data within the team and to develop innovative data visualisations, and applications that influence business processes.



Key Responsibilities

1. Maintain an accurate and up to date record of as-built CAD drawings for the University's Estate, including site plans, floor plans, elevations, roof plans, drainage plans, M&E Services and fire safety routes. Analysis and interpretation of plans from external consultants and conversion to the University's standards.
2. Manage the preparation and undertake detailed measured surveys of buildings. Survey and verify departmental occupancy as well as use of space and make the necessary changes within the systems, ie. Vault, Micad & Esri. By going out on site with current floor plans and checking these match with the as is space ensuring reports are to the required detail.
3. Produce polylined floor plans to enable accurate space data to be measured in relation to space categories (gross external area, gross internal area, net internal area, etc.) to the University's standards. Be able to provide guidance on these standards and systems used to new staff, when required. Prepare and present Space Data in easily understandable formats when required.
4. Maintain, re-position and re-orientate existing CAD plans to ensure that they are geo-located and aligned with the correct Ordinance Survey positions. Selecting the most appropriate solution for amending issues with unscaled and non-geo located drawings and models.
5. Creation and maintenance of GIS maps incorporating land, buildings, trees etc. Continued development of the interactive University site map for Estate Management. And the implementation of new ideas that Estate Management can display information using this tool.
6. Creation and maintenance of BIM models in industry related software, from building projects and minor works teams. Including data capture and production of 2D drawings from these 3D models.
7. Manage the estate's drawing vault both in 2D format and model format. This includes updating revisions to floor plans, building reference codes, archiving of demised buildings or addition of newly acquired buildings and new builds to the portfolio. And ensuring the data is synchronised across the systems.
8. Research and report ad hoc queries about use of space, space data and building drawings for members of the university. And actioning space requests that are submitted to the team as and when.

9. Manage and supervise the CAD Technician. And provide support and guidance to other Estate Management Staff on CAD, GIS and BIM related queries.



Person Specification

Criteria	Essential	Desirable
Education		
Highly numerate with at least 5 GCSE's including maths and English	x	
HNC/HND in Architectural or relevant building industry qualification	x	
Experience		
Using AutoCAD, Autodesk Revit, ArcGIS or similar Software	x	
Preparation and presentation of written & verbal reports	x	
Experience in an architectural office environment		x
Experience in using Micad Space data system		x
Skills		
Excellent working knowledge of Autodesk products including AutoCAD, Revit & Vault	x	
Microsoft Office Skills eg. Outlook, Excel, Word etc	x	
Problem solving and analytical skills with very good attention to detail and accuracy	x	
Surveying and data capturing/analysis		x
Additional Requirements		
Ability to prioritise and complete tasks on time with minimal supervision	x	
Ability to manage complex records with high levels of attention to detail and accuracy	x	
Ability to contribute as an effective member on project based work including taking direction from relevant staff other than immediate line manager	x	

Behavioural Attributes

This section summarises the behavioural attributes (or competencies) that we expect the role holder to be able to demonstrate, at what level and whether this is an essential or desirable requirement.

Full definitions are at: <https://www.hr.admin.cam.ac.uk/policies-procedures/behavioural-attributes>

Please review these and provide specific examples in your application of how you have demonstrated these attributes in your work, education or other experience. It will assist your application if you explain the situation, what you did and what the outcomes were.

Attribute	Level
Valuing Diversity	A
Achieving Results	C
Communication	C
Innovation and Change	C
Negotiating and Influencing	C
People Development	C
Relationship Building	C
Strategic Focus	C

Professional Services Values

Developed by professional services staff, our values underpin everything we do. By living the values in the work we do, we hope to foster an environment where staff feel empowered. The values encourage staff to; work together and share skills to create a sense of community, act with integrity, take an inclusive and fair approach and



Estates Division

The Estates Division at the University of Cambridge is a multi-disciplinary organisation responsible for the development, management and maintenance of the University estate, along with the provision of a variety of related services.

Our current operational estate (buildings used for teaching, research and administrative activities) is currently valued at £3 billion (Insurance Replacement Cost) and its broad and complex nature presents many demanding challenges, for example some buildings are 800 years old, Grade I Listed and protected by English Heritage, whilst others are new with highly sustainable building fabrics and buildings management systems.

Key areas we are responsible for include:

- Planning and managing the University's estate development programme.
- Project managing new build construction and the refurbishment/alteration of existing stock.
- Managing and maintaining the estate including residential accommodation and investment properties.
- Delivering a comprehensive facilities management service to the University.
- Managing catering outlets across the estate.
- Managing the operational and research facilities at the [University Farm](#).
- Promoting the University's environmental sustainability initiative, particularly with regard to reducing carbon emissions.



Terms of Appointment

Tenure and probation

The appointment will be made on a fixed-term basis for a period of 2 years. Appointment will be subject to satisfactory completion of a 6 month probationary period.

Hours of Work and Working Pattern

The hours of work for the position are 36.5 hours per week, working Monday – Friday.

Pension

You will automatically be enrolled to become a member of CPS (Contributory Pension Scheme) – a defined benefit and defined contribution pension scheme. For further information please visit: www.pensions.admin.cam.ac.uk

Annual leave

Full time employees are entitled to annual paid leave of 36 days inclusive of public holidays. For part-time employees, annual leave will be pro rata'd based on days worked.

General information

Pre-employment checks

Right to work in the UK

We have a legal responsibility to ensure that you have the right to work in the UK before you can start working for us. If you do not have the right to work in the UK already, any offer of employment we make to you will be conditional upon you gaining it.

Health declaration

Once an offer of employment has been made the successful candidate will be required to complete a work health declaration form.

Qualifications

The person specification for this

position lists qualifications that are essential and/or desirable. Please note that if you are offered the post you will be asked to provide your relevant original certificates of these qualifications.

References

Offers of appointment will be subject to the receipt of satisfactory references.

Screening Checks

This role requires a basic disclosure/standard Disclosure and Barring Service (DBS) Check/an enhanced Disclosure and Barring Service (DBS) check/a security check. Any offer of employment we make to you will be conditional upon the satisfactory completion of this/these check(s); whether an outcome is satisfactory will be determined by the University.

Information if you have a disability

The University welcomes applications from individuals with disabilities. We are committed to ensuring fair treatment throughout the recruitment process. We will make adjustments to enable applicants to compete to the best of their ability wherever it is reasonable to do so and, if successful, to assist them during their employment. Information for disabled applicants is available at <http://www.admin.cam.ac.uk/offices/hr/staff/disabled/>

We encourage you to declare any disability that you may have, and any reasonable adjustments that you may require, in the section provided for this purpose in the application form. This will enable

us to accommodate your needs throughout the process as required. However, applicants and employees may declare a disability at any time.

If you prefer to discuss any special arrangements connected with a disability, please email Estates Division HR on EDR@admin.cam.ac.uk

The University

The University of Cambridge is one of the world's oldest and most successful universities. We are a renowned centre for research, education, and scholarship that makes a significant contribution to society. The University is consistently ranked amongst the top universities in the world. Our affiliates have won more Nobel Prizes than any other University.

Our sustained pursuit of academic excellence is built on a long history of world leading teaching and research within a distinctive collegiate system. For eight centuries our ideas and innovations have shaped the world. Our principal goal is to remain one of the world's leading universities in an increasingly competitive global higher education sector. Today the University of Cambridge is at the centre of a cluster of over 4,300 businesses employing 58,000 people.

Our capital investment projects include academic and commercial growth at both the West Cambridge Innovation District, and the Biomedical Campus in the south of the city. Eddington, in North West Cambridge, is a mixed-use development including key worker housing for staff, a community centre and a new primary school, managed by the University. Through these projects, the University is deeply embedded in, and committed to serving, our local community. These are all conspicuous signs of a University that is not only adapting to new needs, but also anticipating the future

Our mission is to contribute to society through the pursuit of education, learning, and research at the highest international levels of excellence. Our core values are:

- freedom of thought and expression; and
- freedom from discrimination.



About Us

The University is one of the world's leading academic centres. It comprises 150 faculties and departments, together with a central administration and other institutions. Our institutions, museums and collections are a world-class resource for researchers, students and members of the public representing one of the country's highest concentrations of internationally important collections.

The University has an annual income of £2 billion. Research income, won competitively from the UK Research Councils, the European Union (EU), major charities and industry, exceeds £500 million per annum and continues to grow.

The Colleges and the University remain committed to admitting the best students regardless of their background and to investing considerable resources both in widening access and financial support. The 31 Colleges are self-governing, separate legal entities which appoint their own staff. Many academic staff are invited to join a College as a Teaching Fellow, which provides a further social and intellectual dimension. The Colleges admit undergraduate students, provide student accommodation and pastoral support and

deliver small group teaching for undergraduates.

The University awards degrees and its faculties and departments provide lectures and seminars for students and determine the syllabi for teaching.

Our instinct for seeking out excellence and setting up enduring and mutually beneficial collaborations has led us to establish strategic partnerships across the globe. Whether it is the successful Cambridge-Africa Programme involving universities in Ghana, Uganda and elsewhere on the African continent; or the close association with the government of India to pursue new research in crop science; or the creation, with Germany's Max Planck Institutes, of a Cambridge-based centre for the study of ethics, human economy and social change – international partnerships are now an inextricable part of the University's make-up.

“Cambridge graduates and researchers have made – and continue to make – a colossal contribution to human knowledge and the understanding of the world around us. Their work touches on the lives and livelihoods of everyone from patients diagnosed with life-threatening diseases, to residents of areas critically affected by climate change, to children growing up in conflict zones. It has a lasting impact on our society, our economy and our culture: the world is truly a better place thanks to their efforts.”

Stephen Toope, Vice Chancellor 2019



Working at the University

Working at Cambridge you will join a diverse, talented and innovative community, with more than 23,000 students and over 16,000 staff from all walks of life and corners of the world.

The University continually explores strategies to attract and retain the best people. It is committed to supporting its staff to achieve their best. We are a fair, diverse and inclusive society and we believe our staff are our greatest asset. There is strong commitment to developing institutional leadership and supporting and encouraging staff development at all levels.

We offer a variety of roles including academic, research, professional, managerial and support roles. We also offer extensive benefits and excellent learning opportunities within a stimulating working environment.

The University's estate is undergoing the most significant transformation in its history. Cambridge has been able to create a new science and technology campus to the west of the city centre, and is now expanding further to the north west of Cambridge including investing in affordable homes for University key workers and community facilities. Even with our continued development, the University remains within walking or cycling distance across the campus. The University is a major partner on the Cambridge Biomedical Campus and we continue to redevelop our historic city centre sites demonstrating our determination to ensure that we can offer the best facilities and opportunities for our staff and students.



Equality & diversity

The University has built its excellence on the diversity of its staff and student community. We aim to be a leader in fostering equality and inclusion, and in promoting respect and a sense of belonging for all. We encourage applications from all sections of society. All appointments are made on the basis of merit. We have an Equal Opportunities Policy, along with a range of diversity groups, including the Women's Staff Network, Race Equality Network and LGBT+ Staff Network. More details are available here: <http://www.equality.admin.cam.ac.uk/>

The University has a bronze Race Equality Charter award, with framework for improving the representation, progression and success of minority ethnic staff and students within higher education. Furthermore, the University's silver Athena swan award recognises and celebrates good practice in recruiting, retaining and promoting gender equality.

Living in Cambridge

Cambridge is rich in cultural diversity. From beautiful University and College buildings, museums and art galleries, quaint gardens and punts on the River Cam, to a vibrant restaurant and café scene, our employees are surrounded by the wonderful features of this unique city.

You can find a wide-range of high street shops and 3 shopping centres, with independent alternatives at the historic market and nestled within the passageways in the city centre. You will find a cinema, bowling alley, a nightclub and various live performances at the Cambridge Leisure Park, with further entertainment options at the Corn Exchange, Arts Theatre and the ADC Theatre. Further information can be found on the [Visit Cambridge](#) website.

If you prefer the faster pace of life, London is a 45 minute train journey away. For those travelling from overseas, Stansted Airport is just 45 minutes away and Heathrow Airport under 2 hours away. The University is a short distance from a host of other attractions such as Ely Cathedral, Newmarket Races and various wildlife parks and stately homes. Cambridge is also within easy reach of the beautiful Broads and coastlines of Norfolk and Suffolk.

Relocation Support

The University recognises the importance of helping individuals to move and settle into a new area. We provide support and guidance to those relocating internationally or domestically to take up a post at the University of Cambridge, liaising with other University offices and selected partners to ensure comprehensive relocation support is available. This includes: accommodation, childcare, schools, banking, immigration and transport. If you would like further information, please visit <https://www.accommodation.cam.ac.uk/RelocationService/>. The Shared Equity Scheme and the Reimbursement of Relocation Expenses Scheme provide financial assistance to qualifying new members of staff with the costs of relocating to Cambridge. For staff who require a Skilled Worker Visa, Global Talent Visa or Settlement (known as indefinite leave to remain) to take up employment with the University, we offer an interest free [visa loan scheme](#) for current and prospective staff (and their dependants), to help meeting the cost of obtaining a visa.

Accommodation Service

The University Accommodation Service helps staff, students and visiting scholars who are affiliated to the University in their search for suitable accommodation in Cambridge. The dedicated accommodation team can provide access to a wide range of University-owned furnished and unfurnished properties, and has a database of private sector accommodation available for short and long-term lets. For further information and to register with this free service please visit <https://www.accommodation.cam.ac.uk/>



What Cambridge can offer

We offer a comprehensive reward package to attract, motivate and retain high performing staff at all levels and in all areas of work.

The University offers a wide range of competitive benefits, from family leave entitlement, to shopping and travel discount schemes. Our generous annual leave package contributes to the positive wellbeing of our University employees. Sabbatical leave enables academics to focus on research and scholarship, whilst still maintaining their full salary. The University also has a [career break scheme](#) for academic and academic-related staff, with additional flexible working policies for all other staff.

Pay and benefits

The University salary structure includes automatic service-related pay progression in many of its grades and an annual cost of living increase. In addition to this, employees are rewarded for outstanding contribution through a number of regular pay progression schemes. The University offers attractive pensions schemes for employees, with an additional benefit of a salary exchange arrangement providing tax and national insurance savings.



CAMBens employee benefits

The University offers employees a wide range of competitive benefits, known as CAMBens. CAMBens offers something for everyone across a range of categories, including:

- Financial Benefits, including shopping discounts (both local and national) and a Payroll Giving scheme;
- Relocation and Accommodation Benefits, including relocation assistance and interest-free Rental Deposit Loans;
- Travel Benefits, including Cycle to Work, discounts on train season tickets and interest-free Travel to Work loans;
- Family Friendly and Lifestyle Benefits, including support with childcare and family friendly policies;
- Health and Wellbeing Benefits, including a University Staff Counselling Service, discounts at the University Sports Centre, and other local gyms, and healthcare schemes.



What Cambridge can offer

Family-friendly policies

The University recognises the importance of supporting its staff. We have a range of family-friendly policies to aid employees' work-life balance including a generous maternity, adoption and shared parental leave entitlement of 18 weeks full pay, and paid emergency leave for parents and carers.

Other family-friendly support includes:

Our highly regarded workplace nurseries, a childcare salary exchange scheme and a high quality holiday Playscheme may be available to help support University employees with caring responsibilities (subject to demand and qualifying criteria). Further childcare information can be found here:

<https://www.childcare.admin.cam.ac.uk/>

The [Newcomers and Visiting Scholars Group](#) is an organisation within the University run by volunteers whose aim is to help newly arrived wives, husbands, partners and families of Visiting Scholars and members of the University to settle in Cambridge and give them an opportunity to meet local people. The Postdoc Academy supports the postdoctoral community within Cambridge. Further details are available

here:

<https://www.postdocacademy.cam.ac.uk/>

Your wellbeing

The University's Sport Centre, Counselling Services and Occupational Health are just some of the support services available to University employees to promote their physical and mental wellbeing. The University delivers The Festival of Wellbeing annually, which is a programme of stimulating talks and activities, which aim to promote wellbeing and good mental and physical health. The University also hosts the [Cambridge Festival](#), which is a great opportunity to get your first taste of public engagement, through volunteering, supporting hands-on activities or proposing a talk.

Development opportunities

We support new employees to settle in through various activities as well as supporting their professional and career development on an ongoing basis. Our Personal and Professional Development (PPD) team provide development opportunities for all University employees, including face-to-face sessions, online learning modules and webinars. All employees also have unlimited access to LinkedIn Learning to support their development. Both new and existing employees can undertake funded Apprenticeships, which lead to a range of vocational and professional qualifications. We offer reduced staff fees for University of Cambridge graduate courses and the opportunity to attend lectures and seminars held by University departments and institutions. A range of University training providers also offer specialist learning and development in their own areas e.g. teaching and learning, digital literacy, finance, health and wellbeing, safety.



How to apply

Applications should be submitted online via the University of Cambridge jobs page www.jobs.cam.ac.uk by clicking “Apply online” in the job advert. You will need an email address to register for our online system.

The University of Cambridge is committed to supporting our staff to thrive both professionally and personally. We aim to support a good work/life balance, whilst retaining the positive aspects of our unique in-person environment and culture. Elements of this role are suitable for hybrid working, where staff can split their time between in-person collaboration and remote working. The frequency of the remote elements of the role can be discussed with the recruiting manager.

Conversations about flexible working are encouraged at the University of Cambridge. Please feel free to discuss flexibility prior to applying (using the contact information below) or at interview if your application is successful.

If you have any queries regarding the application process please email Estates Division HR on EDR@admin.cam.ac.uk.

The closing date for applications is: 28th October 2024

Interview to take place on week commencing 4th November 2024.



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