

# Campus Masterplan update

## New £60m Engineering Innovation Centre

The University is to build a £60m Graphene Engineering Innovation Centre (GEIC) on the North Campus. The facility will be critical in the development of commercial applications and in maintaining the UK's world-leading position in graphene and related 2-D materials.

The GEIC will complement Manchester's existing National Graphene Institute (NGI), where over 200 scientists and engineers are dedicated to graphene and 2-D materials research. Together, the two facilities will reinforce Manchester's position as a globally leading knowledge base in graphene research and commercialisation.

Chancellor of the Exchequer, George Osborne, announced funding for the creation of a £60m Graphene Engineering Innovation Centre (GEIC) during a visit to the University's graphene laboratories on 10 September.

The GEIC will be partially funded by £15m from the Higher Education Funding Council for England's UK Research Partnership Investment Fund (UKRPIF), £5m from the Technology Strategy Board and by £30m from Masdar, the Abu Dhabi-based renewable energy company owned by

Mubadala which focuses on advancing the development, commercialisation and deployment of clean technologies and solutions. Additional funding for the Centre and its programmes will be provided by other research funds and institutions. The Centre will allow for the acceleration of applied research and development in partnership with other research organisations and industry.

In addition, The University of Manchester and Masdar Institute, the research-intensive university that is a key pillar of the Masdar Initiative, have commenced identifying joint graphene application research and fellowship programmes, which will focus on industrial applications for graphene across a range of sectors.

Vice-President and Dean of the Faculty of Engineering and Physical Sciences, Professor Colin Bailey, said: "Research and development in graphene and 2-D material applications will



President Nancy Rothwell and George Osborne

transform the world. The world-leading knowledge base is here in Manchester and to harvest this knowledge, for the benefit of the economy and society more widely, urgent infrastructure facilities are

required. The GEIC, supported by part funding from the UKRPIF, TSB and Masdar, is essential to maintain the UK's international leadership position in this area and ensure effective commercialisation of a UK discovery."

## From the Director of Estates and Facilities

**This second edition of Campus Masterplan Update provides a round-up of progress around the capital projects which are already underway and those which are coming on line as part of the first phase to 2018.**

Since the last issue, significant progress has been made across a number of the projects and a particularly exciting announcement is that the University will be home to a £60m Graphene Enterprise Innovation Centre for the development

of graphene and other 2D materials on the site of the Faraday undergraduate block. There are also some fantastic images of Coupland III showing how it will look upon completion; plans for Phase 2 of the re-development and refurbishment of Manchester Business School and Precinct Centre have been submitted for approval which will transform this part of the campus; and progress is being made on the engineering campus with concept designs soon to be completed and enabling works set to commence early next year.

An important element in bringing the vision of the Campus Masterplan to life, is the fundraising effort to enhance these ambitious capital projects. See the back page for more details on this important work.

Further updates on progress will be provided here and across other University channels such as StaffNet and UniLife.

Diana Hampson



## Building partnerships

**The University is to appoint three main contractors to deliver the majority of its large capital projects including those of the Campus Masterplan.**

The scope and scale of the Masterplan presents significant delivery challenges and the Partnership Framework aims to procure services over the long-term to get the best people, deliver the best buildings and achieve the best value. This procurement strategy relates to projects over £10 million from the Campus Masterplan and other large projects being delivered alongside these.

Assistant Director of Estates and Facilities and Head of the Capital Projects Unit, Steve Jordan said: "The Partnership Framework will be a key component to successfully delivering the Campus Masterplan and will help to ensure that completed projects contribute to the University's 2020 Vision."

Three key themes have been identified for the Partnership:

- Employ high quality teams and improve their performance through the programme
- Deliver the projects within a collaborative environment
- Support the University's 2020 Vision Goal 3 of Social Responsibility and Environmental Sustainability with greater control over carbon targets, energy and waste, local recruitment and community equivalent for example.

Significantly, the appointed contractors will be awarded further work on the Masterplan subject to the successful delivery of previous projects.

Steve added: "The scope of the Masterplan and the resource required to deliver it will see a significant positive impact on the regional construction industry and through this partnership we are securing the services of those contractors in a long-term partnership with benefits for all."

The aim is to have the partnership established and operating in early 2015.

## Changing the landscape

**The design process for the Brunswick Street public realm scheme is set to get underway with the appointment of landscape architects Planit.**

Brunswick Street is an important area of public realm on the campus, which currently benefits from large areas of green space between the surrounding buildings and the existing road.

As stated in the University's Landscape Masterplan: "the wide carriageway and railings are a physical barrier, interrupting areas of green space and pedestrian movement. There is also inconsistency in paving and furniture along the street and a lack of

identity in contrast to comparable spaces such as University Place."

Brunswick Street will be one of several public realm schemes on the campus all of which have the potential to transform the campus and raise the quality of the external environment.

The Landscape Masterplan has been developed in the context of the wider Campus Masterplan and in the light of evolving proposals for the Oxford Road Corridor. It sets out an indicative approach to solutions for the design of the spaces between University buildings, and aims to ensure that there is a cohesive vision and approach.

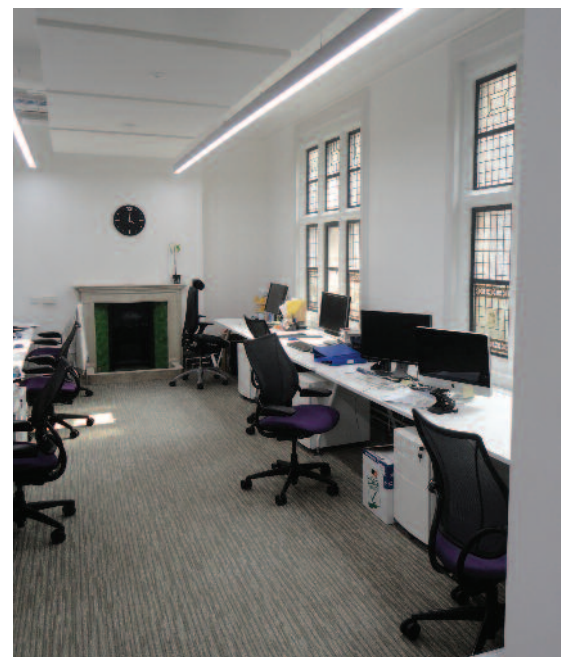
## Vaughan House creates new home

**Work on Vaughan House has now been completed creating a new home for the Manchester eHealth Research Centre one of four such hubs in the UK.**

This Grade II listed building built in 1875 has been substantially repaired and refurbished as well as having a small new build extension added.

Around 50 staff from various sites across Greater Manchester will be able to come together at the site behind the Holy Name Church and next to the Stopford Building. Health and computer scientists will combine their expertise to interpret large and complex health datasets in research environments that safeguard patient confidentiality.

The new centre will act as a hub providing specialist research and teaching facilities as part of a consortium led by The University of Manchester, in conjunction with the Universities of Liverpool, Lancaster and York.



## MBS and Precinct plans

**The University and developers Bruntwood have submitted plans for Phase Two of the £50 million redevelopment of MBS.**

The plans include the refurbishment of Manchester Business School to provide significant improvements to its facilities, the redevelopment of the existing Precinct Centre to create 40,500 sq ft of retail and leisure space, the removal of the link bridge across Oxford Road and public realm improvements.

The proposed refurbishment of around 200,000 sq ft of Manchester Business School will create significantly improved teaching and administrative accommodation, a new Learning Library and Enterprise Zone.

The existing Precinct Centre will be reconfigured to create a mix of retail, food and leisure units with glazed frontages onto Oxford Road providing for the campus community and those living and working in the area.

Phase two also includes the removal of the link bridge across Oxford Road to improve views and light levels in the area. Public realm improvements, such as pavement widening, will enhance the area for pedestrians, cyclists and public transport users.

This complements the new hotel and enhanced Manchester Business School Executive Education Centre, both of which are being developed as part of Phase One, construction of which is scheduled to begin later in 2014.

Diana Hampson, Director of Estates and Facilities at The University of Manchester, said: "We share a long-term vision with Bruntwood to deliver not just



exemplary facilities for Manchester Business School and the University, but to create a landmark development on the Oxford Road Corridor. We are delighted, therefore, to be submitting this planning application, which will see the implementation of the next stage of the vision."

Subject to planning consent, work on Phase Two will begin in 2015, with the development set to open in mid-2016. The refurbishment works will be completed in early 2018.



## Milestone for landmark engineering development

**An important stage of the landmark Manchester Engineering Campus Development (MECD) project is soon to be completed with the final selection of the concept design to be confirmed this autumn, which will allow project architects Mecanoo to begin turning the vision into a reality.**

The largest capital project ever undertaken by the University, the £300m MECD will be a state-of-the-art facility to provide the University with a landmark gateway to the city - and the rest of the world.

Once complete, the MECD will provide a new home for the University's four engineering schools - Chemical Engineering and Analytical Science, Electrical and Electronic Engineering, Materials and Mechanical, Aerospace and Civil Engineering and Foundation Studies. As well as the Faculty Office and additional capacity for future expansion, the development will also now incorporate a central teaching block which replaces earlier plans for a separate teaching block adjacent to the Booth Street East car park.

The concept design has been informed by an intensive briefing

process which has captured the requirements of users that will mean that both teaching and research activities inform each other in a collaborative and practical environment.

The concept design triggers the next stage of the project - the preparation of the site earmarked for MECD, between Grosvenor Street and Booth Street East with the demolition of the Grosvenor Halls of Residence from early 2015, followed by demolition of the Materials Science Centre in summer 2015. The Grade II listed Oddfellows Hall and the James Chadwick Building will be

incorporated into the new engineering campus.

In the run-up to the demolition of the Materials Science Centre, the work to relocate facilities and equipment onto parts of the North Campus will begin in Spring 2015. This includes enabling work in The Mill and Morton Laboratory and re-opening part of the Maths and Social Sciences Building starting in 2014.

Construction work on the new engineering campus itself will begin towards the end of 2015. Students, staff and other stakeholders will be updated on any likely disruption as this work progresses.



## Coupland III

**P**lanning permission and listed building consent for the Coupland III project has been granted and the demolition of some outbuildings and strip out works have commenced with the main works scheduled to commence next spring.

Staff from the School of Dentistry have now moved into the temporary accommodation which has been put in place behind Waterloo Place and next to the Arthur Lewis Building. This is called the J R Moore Building – a dental alumnus of the University.

These images show how the building will be transformed once the work is completed.



## Moves from Dover Street

**A number of moves to enable work to start later this month on the Dover Street building which will provide a temporary home for a number of MBS departments.**

The staff association (UMSA) and Wellbeing have moved temporarily to refurbished rooms in Crawford House in the University Precinct Centre. Ultimately they will be located in new premises the Simon Building next year.

Temporary space has been re-provided for the Central Teaching Spaces unit on the ground floor of Devonshire House until January 2015.

The Personal Social Services Research Unit (PSSRU) within the School of Nursing and Midwifery has also temporarily moved out of Dover Street to Devonshire House until January 2015.

## Focus on fundraising

**A**s the University makes the biggest investment in its infrastructure in its history, in an environment of public funding austerity, philanthropy is as fundamental as ever.

This support can provide matching funding for elements of this plan, maximising what is possible and creating leverage from both public and private sources. It can also fast-track the provision of outstanding facilities within buildings: cutting-edge research equipment in engineering laboratories or translational clinical settings, student learning facilities, or the most innovative and forward-looking specialist equipment for students with disabilities in the world.

The Division of Development and Alumni Relations is working to encourage and solicit philanthropic donations towards the £1 billion Campus Masterplan. Dominic Boyd, Head of Philanthropy (Campus and Research), leads on donations in the support of this. Working closely with academic and Professional Support Services (PSS) colleagues, he seeks to communicate the University's ambitions for the campus to those with the means to provide support.

His work includes meeting with prospective supporters and arranging events that illustrate our plans. In May, Dominic welcomed some of our most senior alumni to a private dinner at The Gherkin in London hosted by Director of Estates and Facilities, Diana Hampson and Vice-President Professor Clive Agnew. For many of those who attended, the dinner was their first opportunity to learn about the Campus Masterplan and some of those who attended have subsequently made donations to support the University's work.

Dominic says: "The numbers of University friends and alumni who donate is rising significantly and their support funds research, scholarships and the improvement of facilities across the campus. Support for new build and equipment projects from our alumni and donors who choose to partner with us, will give us financial flexibility to invest in wider programmes associated with the new build, maximising what is possible within a constrained funding environment."

To learn more about the impact of philanthropy and its importance to the delivery of the Campus Masterplan, please contact Dominic Boyd, Head of Philanthropy (Campus and Research) email: [dominic.boyd@manchester.ac.uk](mailto:dominic.boyd@manchester.ac.uk) or extension 58577.



Dominic Boyd