MANCHESTER 1824
The University of Manchester

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Campus Masterplan update

Engineering Campus

Plans for the Manchester Engineering Campus Development (MECD) were unveiled in September, the largest single capital project ever undertaken by the University.

The building – due to open in 2020 – is part of the University's campus masterplan to create a world-leading teaching, learning and research campus to develop the engineers and innovators of tomorrow. The new site will act as a gateway between the existing University site and the city and will be located opposite the new National Graphene Institute on Booth Street East.

The campus will help demonstrate how UK engineering is one of the most creative industries in the world – a key feature on the ground floor of the main hall will be a dedicated 'maker space' which will provide dynamic workshops for students and academics to share ideas and innovate.

Professor Martin Schröder, Vice-President and Dean of the Faculty of Engineering and Physical Sciences at the University, said: "This outstanding new campus development will build upon our proud heritage of innovation and discovery across engineering and science that began with the establishment of the Manchester Mechanics' Institution in 1824.

"MECD will inspire engineers to continue our pioneering spirit and to apply their knowledge and help modern industry overcome the global challenges, such as climate change, finite natural resources and changing world markets."

Once complete, MECD will become home to the University's four engineering schools: MACE, EEE, CEAS and the School of Materials and two research institutes from the Faculty of Engineering and Physical Sciences. It will include extensive, modern teaching spaces that reflect the changing demands of students and staff for mobile and flexible learning. Cutting-edge technologies will enable students across all disciplines to engage with new modes of teaching and become part of the global classroom.

Diana Hampson, Director of Estates and Facilities, said: "This is the largest capital project we have ever undertaken and is a flagship development of the Campus Masterplan. It has required a huge amount of effort and dedication by the project team and all involved to reach this point. Its completion will play a major role in our ambitious vision for the campus."

Demolition of the former Grosvenor Halls of Residence has already begun and will conclude during the first half of 2016.

A live view of the site can be viewed at: **www.mecd.manchester.ac.uk**

Gallery in the frame

The Whitworth has received a clutch of awards since re-opening last February following an extensive £15m redevelopment.

Among them was the prestigious Museum of the Year award, the largest arts award in Britain and the biggest museum prize in the world. It is awarded to the museum or gallery in the UK that is judged to have best demonstrated excellence, innovation and imagination.

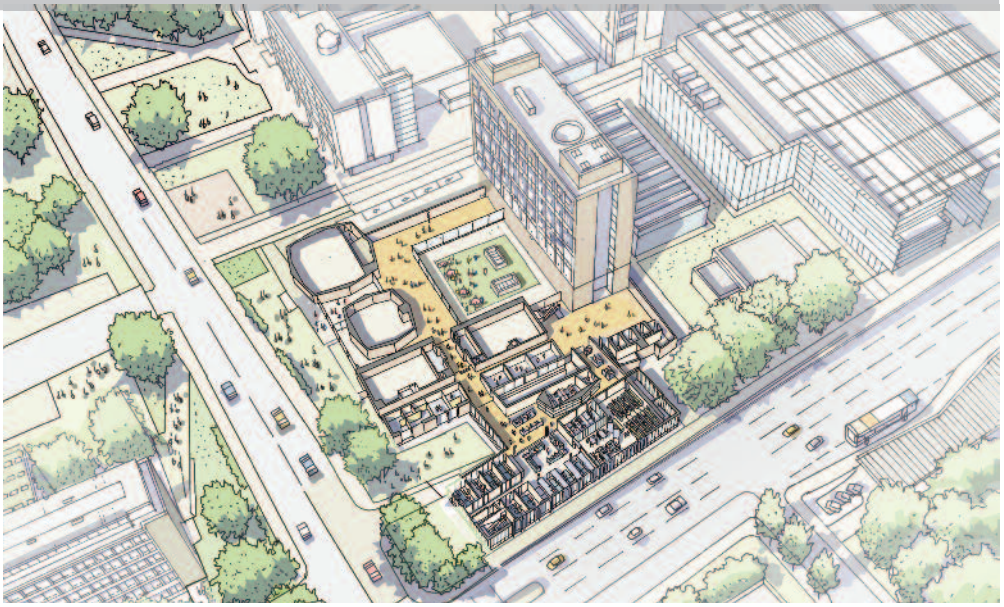
The Whitworth was among 37 winners drawn from across the UK in the Royal Institute of British Architecture (RIBA) National Awards 2015. Handed out to new buildings that are considered to set the standard for good architecture, this award came only a few months after the gallery was given the coveted Building of the Year prize in the RIBA North West Regional Awards.

The Whitworth was one of six buildings on the shortlist for the coveted RIBA Stirling Prize.

The gallery, along with the Manchester Cancer Research Centre and the National Graphene Institute, has also been shortlisted for the Greater Manchester Building of the Year award – together making up half of the total shortlist. The winner of the award which is organised by the Greater Manchester Chamber of Commerce will be announced in November.

Schuster extension

The proposals for the new extension to the physics and astronomy Schuster Building have been revealed



These will allow the University to improve the student experience, diversify recruitment, enhance transferable skills and increase employability of our students. It will also accommodate the recent growth in STEM-Foundation and Physics and Astronomy undergraduates.

The £11m Schuster Annexe will be built on unoccupied land on the corner of Upper Brook Street and Brunswick Street and will adjoin the existing Schuster Building which was refurbished internally in 2007, providing seamless connections with the academics and students occupying other parts of the Schuster Building.

The project, which is part-funded by the Higher Education Funding Council for England (HEFCE), will house innovative collaborative learning spaces and a flexible new `Ideas Mill' will extend the possibilities for teaching and learning in the department. The `Ideas Mill' will extend outreach activities and create a venue for connection and collaboration.

Work is expected to start on site later this year with completion scheduled for early 2017.

The proposals were also available to view as part of a public consultation for local residents, businesses and stakeholders.

Professor Martin Schröder, Vice-President and Dean of the Faculty of Engineering and Physical Sciences, said: "The Schuster Annexe development continues the University's drive to invest in new core facilities to improve teaching and learning for our students. It will enhance the skills and employability of our students and extend our outreach capabilities."

Diana Hampson, Director of Estates and Facilities, said: "These proposals will greatly enhance staff and student facilities in the School of Physics and Astronomy and will be in a gateway location on the campus on a major route into the city."

Fallowfield student village

The University has created some exciting proposals for the student campus in Fallowfield. These proposals represent a unique opportunity to deliver much needed improvements to our accommodation, facilities and wider campus environment, as well as developing the physical relationship between the campus and the wider Fallowfield community.

These improvements form an important part of the £1 billion construction programme across campus to create world-class facilities for staff, students and visitors, and will help ensure that Fallowfield remains a destination of choice for students.

Fallowfield Student Village will include a student hub incorporating facilities for students living on and off the campus, improved sports, facilities accessible to both, students, local residents and local sports clubs, enhanced landscaping and an improved frontage onto Wilmslow Road including retail outlets.

The first phase of accommodation is expected to be ready for the 2018/19 first year intake of students.

An application for planning permission has now been submitted.

Gone in 50 seconds

Over the summer, the University precinct bridge was demolished as part of plans for the redevelopment of the Alliance Manchester Business School.

Photographers were on hand to capture this momentous event when the 46-year-old structure came down in just one weekend. Oxford Road was closed most of August for the preparatory and post-demolition clean-up work. Contractors faced the added pressure of being filmed by a television crew making a series about major demolition projects.

The phase two plans focus on the redevelopment of the existing precinct centre . The plans reconfigure the existing precinct centre to create up to 14 units with double-height glazed frontages onto Oxford Road. The variety of units will create a mixed offer of retail, food and leisure for students, staff and visitors to the campus.

The removal of the bridge will improve views and light levels in the area while facilitating the redevelopment of the frontage onto Oxford Road. Public realm improvements such as pavement widening will enhance the area for pedestrians, cyclists and public transport users.

The phase two redevelopment also includes the refurbishment of circa 200,000 sq ft of Alliance MBS facilities to create significantly improved teaching and administrative accommodation, a new Learning Library and Enterprise Zone.

A 50-second time lapse video of the bridge being demolished can be viewed on Staffnet at the link below.

http:/ow.ly/UemFg

Graphene Engineering Innovation Centre

The new £60 million Graphene Engineering Innovation Centre (GEIC), which will set the standard for world class graphene and 2-D materials application development was unveiled in September.

The GEIC aims to accelerate taking graphene products to the marketplace, as well as be a state of the art research and technology development facility.

Along with the £61 million National Graphene Institute (NGI), which opened in 2015, and the £235 million Sir Henry Royce Institute for Materials Research and Innovation, the GEIC will be crucial in maintaining the UK's world leading position in graphene and other 2-D materials research.

Whereas the NGI features academic-led research in partnership with industry, the GEIC will be industry-led and will focus on innovation and applications.

Situated on the North Campus, the building, which has been designed by world-renowned architect Rafael Viñoly, is around 8,400 square metres. It will initially focus on a number of the University's world-class graphene application areas: energy, composites, formulations and coatings, electronics and membranes.

It will also have pilot production facilities and characterisation for the industrial scale-up of graphene, as well as develop graphene and 2D materials applications. It is set to be completed in 2017.

The University has more than 230 researchers working on graphene research across a wide breadth of disciplines and subjects. The NGI, GEIC and Sir Henry Royce Institute will be positioned in the heart of the city, cementing Manchester as the home of graphene with unrivalled expertise.

Professor Colin Bailey, Deputy President and Deputy Vice-Chancellor, said: "The University of Manchester leads the world in graphene research and is one of the most significant centres of commercialisation of the material. The GEIC will be crucial to take graphene to the market and address issues such as scale-up and infrastructure.

"Alongside the University's existing world-class facilities in graphene and Advanced Materials, the GEIC is essential to maintain the UK's international leadership position in this area and ensure effective commercialisation of a UK discovery."

Partnering Contractor Framework

Three contractors have been appointed by the University to deliver the bulk of its £1bn capital programme through a partnership framework agreement

Balfour Beatty, Laing O'Rourke and Sir Robert McAlpine, secured the framework contract to deliver the majority of the University's capital projects in excess of £10m over the next eight years. The University of Manchester's Campus Masterplan is the largest capital programme in the institution's history and one of the largest currently underway in the higher education sector.

The contractors will work on a number of major developments, including the flagship £350m Manchester Engineering Campus Development (MECD), which will bring together the University's four Schools of Engineering in one location and also provide teaching and office space.

University Director of Estates and Facilities, Diana Hampson, said:"This Construction Partnering Framework is probably unique within higher education. The scope and scale of the Campus Masterplan requires a huge amount of resource and presents significant delivery challenges. A collaborative, partnership arrangement was therefore vital in ensuring both quality and value.

"It will benefit all partners and importantly it will have environmental as well as social benefits such as providing training and creating jobs for unemployed people. We are looking forward to working closely with the three contractors on some landmark developments across our campus."

Jon Adams, Balfour Beatty Managing Director for Northern Major Projects, said: "We applaud The University of Manchester for their innovative and ground breaking procurement route which enables delivery of best value and we look forward to working collaboratively with them."

Steve Coleby, Leader for Laing O'Rourke Construction UK said: "Laing O'Rourke is delighted to be partnering with The University of Manchester on this significant and transformative programme. The values underpinning the Construction Partnering Framework align well to ours and will help ensure all partners drive – and importantly share - innovation and best practice for the benefit of the University and its stakeholders."

Richard McAlpine, Director, Sir Robert McAlpine Ltd, said:"We share with the University a passion for innovation and a commitment to providing world class facilities which inspire future generations to push the boundaries of what is possible."

CONSTRUCTION Partnering Framework

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Balfour Beatty

LAING O'ROURKE

Sir Robert McALPINE

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