

Manchester, UK
10 February 2015

Siemens supports Manchester's smart city vision

Engineering firm selected as technology partner for Triangulum project

Manchester City Council has selected Siemens as the technology partner to The University of Manchester, Manchester Metropolitan University and IT Solutions provider, www.clicksandlinks.com, on the pioneering European-wide smart city project known as "Triangulum" in a contract worth around £4.5million (EUR 6 million) over five years. The landmark project is set to transform the 'Manchester Corridor' student district in Manchester into a 'smart quarter.' The findings from the project will be used to develop smart city quarters in other European cities.

Supported by European Commission's 'Smart Cities and Communities' Horizon 2020 funding call, the Triangulum project will install a range of the latest energy management technologies in a number of Manchester Corridor's buildings, developing an autonomous energy grid that demonstrates how the entire district could be supplied with heat and electricity. Greater use of electric vehicles, bicycles and the Metrolink will also be encouraged to reduce congestion and carbon emissions, while improving air quality and the experience of using the Corridor.

Siemens will lead the energy-related aspects of the Triangulum project in Manchester, connecting up a large number of local energy generation assets, electrical storage devices and buildings within the Manchester Corridor to a centralised control platform. This will enable the combined energy generated to be optimized and used in the most energy-efficient way. The platform will also identify both new sources of revenue and cost savings which will benefit Manchester's inhabitants.

Juergen Maier, CEO for Siemens UK said: "Siemens is absolutely delighted to be selected to work with Manchester to make this exciting smart city vision a reality. Siemens has all the right assets for enabling an international smart city district, demonstrating how new

technologies can drive growth whilst at the same time reducing carbon emissions. We hope to be able to help the project achieve these objectives.”

Sir Richard Leese, leader of Manchester City Council, said: “Cities use a large proportion of the world’s resources and need to be in the forefront of environmental improvements.

“New technologies are opening up opportunities all the time and Corridor Manchester has the right conditions to show how smart city districts can help make a positive difference. Triangulum will further enhance Manchester's international reputation as a hub of green technology and this exciting project will now benefit from the expertise that Siemens are able to bring to the table.”

The Triangulum project is led by Fraunhofer IAO with the support of the Steinbeis-Europa Zentrum (SEZ) and involves 23 European partners from urban municipalities, research and industry. The project was chosen from over 19 submissions to receive support from the European Commission’s ‘Smart Cities and Communities’ Horizon 2020 funding call. Triangulum will transform designated urban districts into so-called “smart quarters” in the three ‘lighthouse cities’ of Manchester (UK), Eindhoven (Netherlands), and Stavanger (Norway). The University of Manchester is leading the monitoring element of the project, which will support Fraunhofer IAO in transferring successful concepts to the three ‘follower cities’ of Leipzig (Germany), Prague (Czech Republic), and Sabadell (Spain).

The Manchester Corridor covers some 243 hectares and is home to two of the UK’s largest universities – The University of Manchester and Manchester Metropolitan University, and The Central Manchester University Hospitals NHS Foundation Trust – making the Corridor not only the largest academic campus in the UK but also the largest clinical academic campus in Europe. The area has a 55,000-strong workforce and more than 75,000 students.

Siemens was established in the United Kingdom more than 170 years ago and now employs 13,750 people in the UK with around 2,500 based in the North West of England. As the world’s largest engineering company, Siemens provides innovative solutions to help tackle the world’s major challenges. Siemens has offices and factories throughout the UK, with its headquarters in Frimley, Surrey.

This press release and a press picture is available at:

http://www.siemens.co.uk/en/news_press/index/news_archive/2015/siemens-supports-manchesters-smart-city-vision.htm

For further information on the project, please contact emcommunications.gb@siemens.com

-Ends-

Media contacts

Emma Whitaker
Senior PR & Government Affairs Manager
Tel: 079212 46942
Email: emma.whitaker@siemens.com

For further information, please see: www.siemens.co.uk/press

Follow us on Twitter at: www.twitter.com/siemensuknews

Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for more than 165 years. The company is active in more than 200 countries, focusing on the areas of electrification, automation and digitalization. One of the world's largest producers of energy-efficient, resource-saving technologies, Siemens is No. 1 in offshore wind turbine construction, a leading supplier of combined cycle turbines for power generation, a major provider of power transmission solutions and a pioneer in infrastructure solutions as well as automation, drive and software solutions for industry. The company is also a leading provider of medical imaging equipment – such as computed tomography and magnetic resonance imaging systems – and a leader in laboratory diagnostics as well as clinical IT. In fiscal year 2014, which ended on September 30, 2014, Siemens generated revenue from continuing operations of €71.9 billion and net income of €5.5 billion. At the end of September 2014, the company had around 357,000 employees worldwide. Further information is available on the Internet at www.siemens.com.

Manchester Metropolitan University is a leading university for the professions and a powerful driver of the North West economy. The University educates and trains large numbers of the region's legal and business professionals, scientists, engineers, teachers, health workers and creative professionals. It enjoys an excellent reputation for teaching and applied research and is a recognised innovator in partnership working with its local communities. The University is currently investing almost £300 million in its estate and facilities.

The University of Manchester, a member of the prestigious Russell Group of British universities, is the largest and most popular university in the UK. It has 20 academic schools and hundreds of specialist research groups undertaking pioneering multi-disciplinary teaching and research of worldwide significance.

The University of Manchester is one of the country's major research institutions, rated fifth in the UK in terms of 'research power' (REF 2014), and has had no fewer than 25 Nobel laureates either work or study there. The University had an annual income of £886 million in 2013/14.
www.manchester.ac.uk