

# Intelligent Cities Conference 2014

## 15 July, Bradford



Host



Academic and Research Sponsor



## Welcome to the Intelligent Cities Conference 2014

Bradford Metropolitan District Council is delighted to welcome you to Bradford for the Intelligent Cities Conference 2014.

Digital technologies are transforming the way we live and are increasingly important to our council as we strive to better deliver vital public services that residents, businesses and communities depend on.

Bradford's thriving digital sector is a key component of our 'Producer City' economy with 1,100 businesses employing over 8,000 people. We are home to leading businesses that include Pace, the world's number one designer and manufacturer of digital set-top boxes and Radio Design, world leaders in wireless telecommunications product design.

Cities are at the forefront of the digital revolution and we recognise the power and promise of technology to transform public service delivery, promote economic and social well-being and make Bradford a truly competitive city in the 21st Century. The recent award of a University Enterprise Zone pilot bringing together the University of Bradford, BT, Bradford Council and NHS organisations to cement the Leeds City Region as a UK hotbed of digital health innovation is the latest example of our commitment to delivering this promise.

We are happy to be hosting this event alongside partners, industry experts, businesses, community leaders and policy makers working together to shape our evolving digital future, not just in Bradford but globally.

The sessions, workshops and Expo are your opportunity to contribute and help shape this future. I hope you will seize it.

**Cllr David Green**, Leader, City of Bradford Metropolitan District Council

## Event Sponsors



With almost 50 years of academic excellence, Bradford is a leading Technology University. The University has continued to grow its international reputation and course provision and is one of very few research-intensive technology universities in the UK. The University of Bradford provides quality professional and vocational courses, which deliver outstanding job prospects for graduates. It believes fiercely in doing outstanding research with a direct impact, to create improved health, wealth and wellbeing for people throughout society. [www.bradford.ac.uk](http://www.bradford.ac.uk)



aql are a regulated UK telecommunications operator providing business communications solutions including wholesale IP Voice, SMS text messaging, 3G mobile data bundles and also server colocation via their own datacentres in Leeds, UK. aql underpins global enterprise, working with multinational corporations and 35 of the FTSE 100 companies. aql are dedicated to knowledge sharing, the sustainable future of the Internet and leading the way into a connected future. [www.aql.com](http://www.aql.com)



CityFibre builds transformational fibre optic infrastructure for the UK. Fit for the next hundred years and empowering the UK's economy and society, our pure fibre infrastructure transforms the way governments, businesses and consumers communicate. We are the largest independent provider of pure fibre infrastructure to UK cities. With networks in 57 towns and cities and three Gigabit City projects in York, Peterborough and Coventry, we provide gigabit capable infrastructure for service providers, mobile network operators, local authorities and businesses throughout the country. [www.cityfibre.com](http://www.cityfibre.com)



KEYMILE is a leading manufacturer of next-generation multi-service transmission systems. Our portfolio includes flexible and robust multi-service access platforms that combine Voice, Data, Ethernet/IP, TDM, SDH, DSL and Fibre technologies. KEYMILE's systems provide hardened carrier grade quality and are ideal for indoor or outdoor use. With KEYMILE's flexible system design you can deliver any service in any network, with a wide range of interfaces supporting legacy and next generation technologies. [www.keymile.com/en](http://www.keymile.com/en)



York Data Services is one of Yorkshire's leading business ISPs, committed to offering the best in Internet, telecommunication and cloud solutions. Their vast experience means they can offer you the solutions you need to keep your company connected. Since 2003 York Data Services have been at the forefront in providing high performance integrated Internet, telecoms, hosting and IT support services. Operating a private UK wide fibre network from their state of the art Data Centre situated on the York Science Park, York Data services can supply high-speed fibre Internet connectivity both regionally and nationally. [www.yorkdataservices.com](http://www.yorkdataservices.com)

**NextGen Intelligent Cities Conference in association with Yorkshire Enterprise Network**

**Diary Date: NextGen 14 takes place in Derby on 11-12 November**

# Exhibitors

## 1 City of Bradford Metropolitan District Council

See front page for details.

## 2 City Fibre [www.cityfibre.com](http://www.cityfibre.com)

See front page for details.

## 3 aql [www.aql.com](http://www.aql.com)

See front page for details.

## 4 Bradford Chamber [www.bradfordchamber.co.uk](http://www.bradfordchamber.co.uk)

Bradford Chamber provides support services to all businesses across the district helping cut costs, open up new markets, and ensure your views are heard by those within local and national government. Membership helps take advantage of even more savings and provides access to an exclusive range of services. The Chamber can help you to raise your business profile from networking and email advertising to inclusion in the business plus magazine.

## 5 Metronet UK [www.metronet-uk.com](http://www.metronet-uk.com)

Metronet (UK) is the UK's most advanced hybrid wired and wireless Internet Service Provider. We offer connectivity solutions with the best SLA and support in the industry, typically delivered 10 times quicker than traditional fibre and copper based services. As one of the top suppliers on the Government's Connection Voucher Scheme, Metronet (UK) has currently upgraded over 200 companies to superfast Internet connections.

## 6 Superfast West Yorkshire [www.superfastwestyorkshire.co.uk](http://www.superfastwestyorkshire.co.uk)

The Superfast West Yorkshire Business Support Programme is a fully funded business support programme for eligible businesses. Business will receive 12 hours of support including access to interactive digital media masterclasses, web reviews, networking opportunities and one to one support from specialist business advisors. Benefits of the programme include improving businesses productivity, developing deeper customer engagement and helping business change the way they operate.

## 7 Easy Telecoms [www.easytelecoms.net](http://www.easytelecoms.net)

Easy Telecoms are an experienced provider of high quality business telecoms and data solutions. With many years spent negotiating the telecoms markets, they have built a solid reputation based on trust with their customers and partners. They are offering free government grants to improve customer's broadband speeds.

## 8 Super Connected Leeds-Bradford

[www.superfastwestyorkshire.co.uk/business/connection-vouchers](http://www.superfastwestyorkshire.co.uk/business/connection-vouchers)

The Superconnected Leeds Bradford Connection Voucher Scheme provides a quick and easy grant of between £200 and £3000 to help your business get better connected. Superfast broadband can help your business to increase business efficiency and productivity - Reduce downtime - Access cloud computing - to save resources associated with in-house servers and IT infrastructure - Save money by accessing things like internet-based telephone systems and high quality video conferencing - Grow and access new markets - and Future-proof your business with infrastructure that is ready for change.

## 9 Virgin Media [www.virginmediabusiness.co.uk](http://www.virginmediabusiness.co.uk)

Virgin Media Business: helping transform the future.

Virgin Media Business has the UK's only nationwide fibre optic network, carrying 35 per cent of all business broadband traffic. Already able to reach 85 per cent of businesses in the UK, we're the largest business-to-business brand in the Virgin group and pride ourselves on delivering innovative, high quality solutions that help UK organisations overcome today's technology challenges. With staff located at 40 offices across the UK, businesses and public sector organisations around the country are using our network and skilled service teams to deliver far more than just high speed connectivity. They're using us to transform the way they work.

## 10 Keymile Ltd [www.keymile.com/en/home](http://www.keymile.com/en/home)

See front page for details.

## 11 Emtelle [www.emtelle.com](http://www.emtelle.com)

Emtelle is a global supplier and manufacturer of Infrastructure products for Fibre to the Home networks, which includes fibreflow blown fibre tubing, ducting, sub-ducting and fibre products.

## 12 IBM [www.ibm.com](http://www.ibm.com)

Based on the Intelligent Operations Center for Smarter Cities which provides an executive dashboard to help city leaders gain insight into all aspects of the city. The executive dashboard spans agencies and enables drill-down capability into each underlying agency such as emergency management, public safety, social services, transportation, or water.

## 13 University of Bradford [www.bradford.ac.uk](http://www.bradford.ac.uk)

See front page for details.

## 17 YEN with T&A [www.yorkshirenetwork.co.uk](http://www.yorkshirenetwork.co.uk)

The Yorkshire Enterprise Network - YEN - is an association of professional private and public sector people across the Yorkshire region. It exists to increase trade to the Yorkshire region by using a range of networking, seminars, events and trade delegations which bring people together in order to grow and further cement relationships and business. YEN's purpose is to help its members promote their businesses; to provide business support; to generate business referrals and create new commercial opportunities; and to help each other to develop and grow. YEN provides a variety of promotional opportunities including networking, forums, presentations, exhibitions and other events and structured external online and offline marketing activities for ongoing promotion of YEN member-businesses to the public and the local business community.

## [www.thetelegraphandargus.co.uk](http://www.thetelegraphandargus.co.uk)

The Telegraph & Argus can trace its direct history back to 1868 when the Bradford Daily Telegraph - the city's first daily newspaper - appeared on the streets costing a halfpenny a copy. The Telegraph & Argus itself first appeared in 1926, when the Bradford Daily Telegraph and the Yorkshire Evening Argus merged. Nowadays, its website is one of the fastest-growing in the regional press. In recent years, the T&A has won numerous awards for design, for community journalism, for sports coverage, for its sensitive reporting of race issues and for its many campaigns and appeals which have raised millions of pounds for good causes.

## 18 York Data Services [www.yorkdataservices.com](http://www.yorkdataservices.com)

See front page for details.

## 19 Zhone Technologies [www.zhone.com](http://www.zhone.com)

Zhone Technologies are a global leader in the supply of Network Access Technology, including GPON, Ethernet, VDSL2, ADSL2+ and EFM. We are also driving the

adoption of Passive Optical LAN (POL) solutions in the Enterprise and Hospitality sectors. Our FibreLAN solution is reducing Capital and Operational spend by up to 60% when compared to traditional copper LANs.

## 20 Khemeia Consulting [www.khemeiaconsulting.com](http://www.khemeiaconsulting.com)

Khemeia Consulting is an Innovation Agency which specialises in taking concepts to market. The company works with business owners to realise their business growth through innovation. Taking ideas through business modelling and planning the strategy for market entry, market research, development of electronics and software and finally helping the company to market themselves and their innovation to best effect. Active across a number of different market sectors including medical devices, control systems, smart energy, embedded devices, radio communication and Internet of things.

## 21 Mirrorworld Technologies & Salford University

[www.mirrorworldtechnologies.co.uk](http://www.mirrorworldtechnologies.co.uk)

Mirrorworld Technologies Ltd unlocks additional business value from client's data to deliver business solutions to complex real world policy and business challenges. We use state of the art data integration, visualisation and simulation technologies developed in collaboration with the ThinkLab, helping partners from a range of industry sectors to gain new insights and make intelligent evidence based decisions from the business data they hold - in areas such as local government, urban regeneration, health, police, emergency planning, housing and environment.

<http://www.thinklab.salford.ac.uk/>

The THINKlab is a futuristic and spacious research environment with state-of-the-art facilities located within the University of Salford in Greater Manchester. It has an established international reputation in the creative use and application of cutting edge technologies to provide innovative solutions to meet the needs of industry, commerce and community. We have been working closely with Mirrorworld Technologies Ltd and industry partners to develop novel tools to address smart city challenges.

## 22 Siklu [www.siklu.com](http://www.siklu.com)

Siklu has redefined wireless Ethernet connectivity by optimizing every aspect of system design to deliver capacity and performance, while dramatically reducing equipment and operational costs. Siklu is the market leader in millimetre wave radio links with over 9000 links deployed globally.

## 23 Exa Networks [www.exa.net.uk](http://www.exa.net.uk)

Exa Networks was founded in 2003 with one simple aim: to be the best business and education Internet Service Provider (ISP). With years of experience and a customer database that includes over 10% of the country's primary and secondary schools along with numerous business from all sectors, we have now made that a reality. With an ethos based around genuine customer service and security to our users, Exa Networks aims to offer organisations that rely on the Internet something special.

## 24 Carlisle Business Centre [www.carlislebusinesscentre.co.uk](http://www.carlislebusinesscentre.co.uk)

Bradford's most established business centre offering office space and support to new and existing businesses. In addition to this we are proud to offer meeting and event space making us the perfect venue for your next meeting, seminar, training workshop or AGM. With over 21 years experience, free parking, free Wifi, on site cafe and excellent transport links and suites designed with you the customer in mind.

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[www.nextgenevents.co.uk](http://www.nextgenevents.co.uk)

# Exhibitors (continued)

## 25 GrowthAccelerator

[www.growthaccelerator.com](http://www.growthaccelerator.com)

GrowthAccelerator is a premier service helping England's brightest growing businesses achieve their ambitions. It's a partnership between private enterprise and government. And it's affordable. Whatever businesses need to speed and sustain growth, GrowthAccelerator's network of growth experts will help drive them forward.

## 26 Hope Park Business Centre

[www.hopepark.co.uk](http://www.hopepark.co.uk)

Hope Park Business Centre is the headquarters of award winning Social Enterprise and registered charity, TLG. TLG are better known for but are now looking at transformation in a completely different way! In addition to providing alternative education programmes to help transform the lives of the young people, TLG provides quality A1 grade office suites to local businesses from across the region.

## 27 Imtech

[www.imtech.uk.com](http://www.imtech.uk.com)

Imtech Traffic & Infra UK and Ireland is a leading provider of solutions and services that solve transport, public lighting, infrastructure and telecommunication problems. Working across the Urban and Inter Urban environments, we deliver benefits to stakeholders and enable government goals and requirements to be achieved. With experienced and expert teams, we

work with private and public sector Clients to deliver on the challenges surrounding journey time reliability, the management of congestion and the integration of infrastructure networks.

## 28 Bradford College

[www.bradfordcollege.ac.uk](http://www.bradfordcollege.ac.uk)

Bradford College, a major provider of education and a key player in the city's economy, is moving forward with a new Advanced Technology Centre due to open in September 2015. The ATC will offer opportunity to students to develop skills in advanced technologies such as robotics and 3D printing. It will also provide a key link with established businesses and start-ups. To get involved in this development or to find out more please visit our stand or contact: Ronan O'Beirne [r.obeirne@bradfordcollege.ac.uk](mailto:r.obeirne@bradfordcollege.ac.uk)

## 29 Manufacturing Advisory Service

[www.mymas.org](http://www.mymas.org)

The Manufacturing Advisory Service (MAS) is an impartial and practical business support service for manufacturing businesses in England, helping them improve and grow. We have an 80 strong team of expert Manufacturing Advisors on the ground working with management teams to plan long-term strategies, improve processes and bring new products to market, helping to develop activity and capacity in supply chains. MAS growth products typically provide 66:1 return on your initial investment. Your review and our advice is free.

## 30 Sheffield Science and Engineering Gateways

<http://ssg.sheffield.ac.uk>,

<http://seg.sheffield.ac.uk>

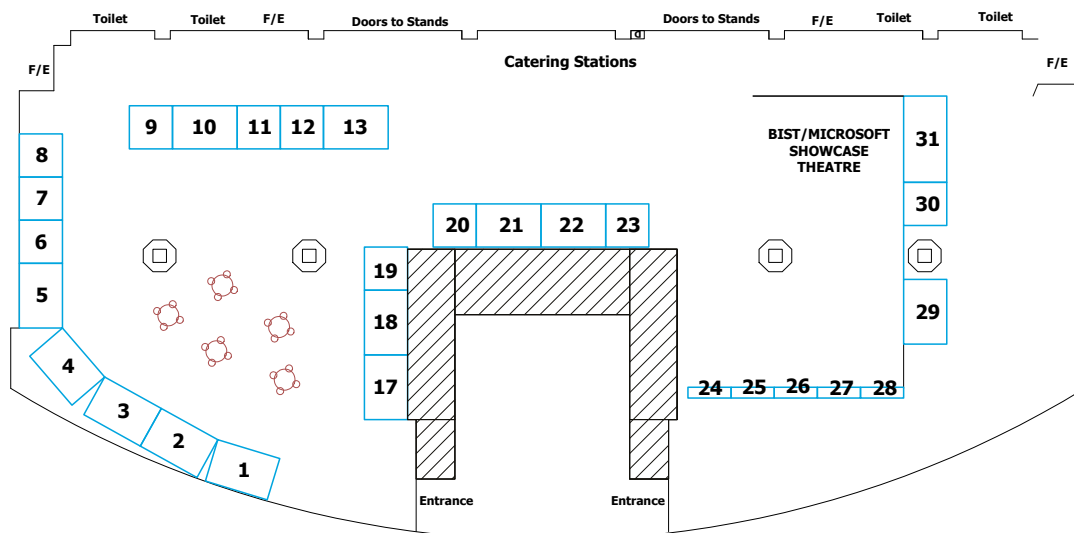
The Science and Engineering Gateways at the University of Sheffield are here to provide routes to access academic expertise to aid your business grow and develop - whatever your requirements.

## 31 BIST Group

[www.bist.co.uk](http://www.bist.co.uk)

BIST Group are an Information Technology company offering cutting edge interactive, voice and data solutions for Industry, Education and Public Sector clients. We are accredited partners for all the major technology brands including Microsoft, Eset, Cisco, Impero, VMware and many more. From specifying servers & PCs to print supplies and Microsoft licensing, BIST is committed to delivering the right product on time, every time.

## Exhibition Layout



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# Conference Agenda

Conference Chair: **Kathryn Vowles** - Intelligent Infrastructure Lead Balfour Beatty

<b>08.45</b>	<b>Registration and Expo visit</b>	
<b>09.25</b>	<b>Opening and Welcome Address</b> by <b>Tony Reeves</b> - Chief Executive City of Bradford Metropolitan District Council	
<b>09.45</b>	<b>Intelligent - So What?</b> <b>Rashik Parmar</b> - President IBM Academy of Technology and <b>Nada Nohrova</b> - Researcher at Centre for Cities. Followed by a discussion cutting through any confusion over what a smart city really is with <b>Tom Riordan</b> - Chief Executive Leeds City Council and <b>Jonathan Speed</b> - Urban Development Programme Manager Future Cities Catapult. Chaired by <b>Michael Mulquin</b> - Director IS Communications.	
<b>10.30</b>	<b>Break-out into Sessions</b>	
	<p><b>SMEs and Super Connected Cities</b> - <i>connectivity voucher scheme, business solutions and local case studies.</i></p> <p>Super-connected Leeds Bradford - the benefits of Superfast Broadband for your business, and how to get a Superfast £3,000 grant. <b>John Duncan</b> - Business Development Officer Super Connected Cities Leeds City Council.</p> <p>Making the right choice for your Superfast Connection, business solutions and options available. <b>Mark Fordyce</b> - Managing Director York Data Services.</p> <p>How Superfast is making a difference. <b>Idris Mir</b> - Mir Solicitors.</p> <p>Chaired by <b>James Saunby</b> - CEO GreySky Consulting</p>	<p><b>Cities and the Circular Economy (CE)</b></p> <p><i>This session introduces the CE framework and some of the findings from 'Towards the Circular Economy' (Ellen MacArthur Foundation with analytics by McKinsey&amp;Company, 2011, '12 and '13).</i></p> <p>The shift from 'city as a machine' metaphor to 'city as a metabolism' - what does this mean for the future of urban dwellers? How the CE framework articulates the idea of optimising materials, energy and information flows in city systems. Business examples and links to labour, culture and social capital.</p> <p><b>Craig Johnson</b> - Higher Education Programme Manager Ellen MacArthur Foundation and <b>Adam Lusby</b> - Founder CE-optimal. Chaired by Professor <b>Peter Hopkinson</b> - Director of re:centre, University of Bradford.</p>
<b>11.15</b>	<b>Networking, Expo visit and refreshments</b>	
<b>11.50</b>	<b>Break-out into sessions</b> (plus <b>Death by PowerPoint, made modern</b> in the BIST/Microsoft showcase theatre - details below)	
	<p><b>Give me More</b></p> <p><i>Big and Open Data - capturing, storing and analysing data on a massive scale provides insights for enterprises, informs city leaders and creates huge opportunities for inward investment and jobs.</i></p> <p>We ask the experts what 'More Data' can do for societal developments and enterprise growth and we explore potential pitfalls.</p> <p>Dr <b>Adam Beaumont</b> - CEO aql, and <b>Mark Barrett</b> - Leeds Data Mill.</p> <p>Chaired by <b>Julia Glidden</b> - President and Founder 21c Consultancy.</p>	<p><b>Smart City Networks</b></p> <p>We are increasingly aware of the importance of digital infrastructure in our towns and cities. Digital connectivity is either a barrier to growth and innovation or a catalyst for economic and social development. <b>Mark Collins</b> - Director of Strategy and Policy at CityFibre on the rise of the Gigabit City movement.</p> <p>Future proofing new build developments to make cities smarter. <b>Graeme Scott</b> - Technical Account Manager IFNL.</p> <p>Connecting Cities Wirelessly - <b>Andrew Westerman</b> Sales Director Western Europe Siklu Communication.</p>
<b>12.40</b>	Keynote Address <b>Professor Cantor</b> - Vice Chancellor University of Bradford	
<b>13.00</b>	<b>Networking, Expo visit and lunch</b> (plus <b>Death by PowerPoint, made modern</b> in the BIST/Microsoft showcase theatre - details below)	
<b>14.15</b>	<b>The International Context</b> - <i>how do today's themes compete?</i> An interview with <b>Julia Glidden</b> - President and Founder of 21c Consultancy and internationally recognised expert on ICT trends in government.	
<b>14.35</b>	<b>Rohit Talwar</b> - acclaimed and award winning Global Futurist on <b>Building a Viable City</b> . The next 5-10 years could bring about far more change than the last fifty. Rohit will explain how these shifts will transform the landscape and implications for developing cities that are economically, socially and environmentally sustainable.	
<b>15.00</b>	<b>Break-out into sessions</b>	
	<p><b>Manufacturing and the Internet of Things</b> - <i>The Producer City - revealing some of Bradford's best kept secrets.</i></p> <p>Digital Health for the Digitally Excluded in the Smart City. There is a lack of patient-facing digital technologies in healthcare services compared to other areas from banking to retail. Change is coming. <b>John Eaglesham</b> - Chief Executive Advanced Digital Institute.</p> <p>Manufacturing and Collaborative Supply Chains. Exploring the benefits of collaborative working in a UK supply chain to enable competitiveness in a global manufacturing arena. <b>Don McCombe</b> - Manufacturing Advisory Service.</p> <p>Smarter Wireless - Global success from a Local base. <b>Eric Hawthorn</b> - Managing Director Radio Design.</p> <p>Chaired by <b>David Cawthray</b> - Assistant Director Information Services at Bradford Council.</p>	<p><b>Smart City Collaboration</b> - <i>the need for Academic Smart City research and collaboration with industry and government.</i></p> <p>An overview of 'Global Smart City Ranking' - a collaborative project with Sheffield University and their metric for ranking mobile-connected smart cities. Dr <b>Mariam Kiran</b> - Lecturer in the School of Electrical Engineering and Computer Science, University of Bradford and Dr <b>Alex Peng</b> - Lecturer in Information Systems, Information School, University of Sheffield.</p> <p>How spend-to-save has funded a Smart City Communications platform whilst saving the client £1 million. <b>Angus Higgins</b> - Business &amp; Commercial Manager Imtech Infra Comms. Chaired by <b>Brian Condon</b> - Director CBN and Co-Director Networks and Outreach at the Centre for Creative Collaboration.</p>
<b>15.45</b>	<b>Intelligent - Now What?</b> Closing Panel debate with <b>David Cawthray</b> - Assistant Director Information Services at Bradford Council, Professor <b>Peter Hopkinson</b> - Director of re:centre, University of Bradford, <b>Ian Sharp</b> - Director Khemeia Consulting Ltd, <b>Alan Ward</b> - Head of Corporate ICT British Telecom Research Laboratories and <b>James Bennett</b> - Programme Manager West Yorkshire Combined Authority.	
<b>16.15</b>	<b>Networking and Expo visit - cash bar. Conference and Expo close at 17.00.</b>	

**BIST/MICROSOFT SHOWCASE THEATRE** - located in the Expo Hall - **Death by PowerPoint, made modern** at **11.50, 13.00** and **13.30**. A light hearted, hands-on demonstration of the Microsoft tools available today that will continue to revolutionise how we collaborate, communicate and present our ideas. Using the latest interactive hardware, Windows 8, and Office. A whistle stop tour of the tools available today for business & education that most users will never have seen. **Peter Smith** - Technical Director, BIST Group.

NG Events Ltd reserves the right to make changes to the scheduled programme.

For Speaker profiles visit: [www.nextgenevents.co.uk/events/intelligent-cities-conference-bradford/speakers](http://www.nextgenevents.co.uk/events/intelligent-cities-conference-bradford/speakers)