3RD ANNUAL

Smart to Future Cities 2014

29-30 April 2014, Grand Connaught Rooms, London

Implementing an Integrated Infrastructure

MEET the international leaders of smart city development

BUILD your smart city roadmap with the experience of your peers

ESTABLISH your position in the complex smart city eco system

ACCESS institutional and private funding

ENABLE collaborative citizen's services with open data and innovative apps

DEVELOP standards and protocols for future city development

> " I generally avoid Smart City conferences, but this event was notably different in that all speakers had hands-on experience and a clear agenda to make smart cities happen." **Worldsensing**

REAL WORLD SMART CITY CASE STUDIES FROM THE INDUSTRY LEADERS:

David Willetts
the Minister for Universities and Science
UK Government

Andoni Aldekoa
CEO of the Consistory
Bilbao

Brenna Berman
Commissioner & Chief Information Officer,
Department of Innovation & Technology
City of Chicago

Manel Sanromà
Chief Information Officer
Barcelona City Council

Professor Sir Alan Wilson
Chair of the Future of Cities Lead Expert Group
UK Government Office for Science

Peter Madden
CEO
Future Cities Catapult

Colette Maloney
Head of Unit Smart Cities and Sustainability
Unit, European Commission
**Directorate-General for Communications
Networks, Content and Technology**

Joe Dignan
Smart Cities Evangelist

Joe Montgomery
CEO
Urban Land Institute

Tom Barrett
Director
European Investment Bank

Michael McLaughlan
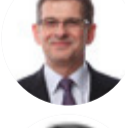Programme Director
**Glasgow Future Cities Demonstrator
Programme**

Raj Mack
Head of Digital Birmingham
City of Birmingham

Dr Scott Steedman CBE
Director, Standards
British Standards Institution

Dave Smith
CEO
Sunderland City Council

Veronica Haunold
CEO
TINA Vienna

Organised by: **OVUM**

Gold Sponsors: **hp** **Schneider Electric**

Register at **www.SmarttoFuture.com**

Smart to Future Cities 2014

Implementing an Integrated Infrastructure

In 2013, the emphasis of Smart to Future Cities was on moving from vision to reality, looking at how the market was at an inflection point between talking about what "smart city" means and understanding how to implement it. The evidence of the shift was in the increasing maturity of the demand side, the development of standards, and the arrival of investment in the form of stimulus funding from government, sovereign wealth funds, and venture capital. In 2014 we will be charting the exciting next step as Smart Cities move into the mainstream and city leaders focus on implementing a working, integrated infrastructure.

Things are definitely moving now as governments commit finance and policy to smart city development. Both the UK and the EC launched their "smart city" strategies at the end of 2013 and will be outlining their plans at this event, along with city leaders from: Chicago, Bilbao, Barcelona, Vienna, Helsinki, Amsterdam, Cape Town, Copenhagen, Glasgow, Milton Keynes, Sunderland, Bristol and Birmingham.
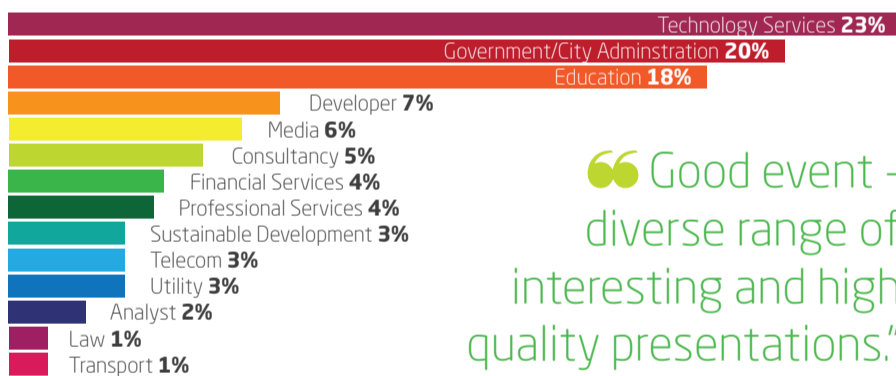
With so many of the cities at the vanguard of smart development speaking this conference offers you an unrivalled opportunity to learn from their deployment of protocols, operating platforms and technologies. The format of the event is discursive with panel session discussions including Q and A sessions with city leaders so that you can ensure that your own smart city implementations benefit from their experience on what works and what does not.

These debates will give you the knowledge and tools to:

- **Develop** a common operating platform approach as a strategic method to enhance citizen engagement.
- **Understand** Big Data as a smart city driver and the key to resolving the "data rich, information poor" nature of today's cities
- **Create** working partnership models that reflect the complex requirements of the smart city market, rather than the different verticals working in silos
- **Access** finance for integrated city systems
- **Develop** collaborative citizens services with open data and innovative apps

We look forward to welcoming you in April
Ovum Smart Cities Event Team

Smart Cities 2013 industry breakdown

- Technology Services **23%**
- Government/City Adminstration **20%**
- Education **18%**
- Developer **7%**
- Media **6%**
- Consultancy **5%**
- Financial Services **4%**
- Professional Services **4%**
- Sustainable Development **3%**
- Telecom **3%**
- Utility **3%**
- Analyst **2%**
- Law **1%**
- Transport **1%**

Source: Smart to Future Cities 2013

> 66 Good event - diverse range of interesting and high quality presentations."
> **EDF Energy**

AGENDA AT A GLANCE

Conference Day One, 29th April

Morning Plenaries:
- Smart to Future Cities Keynotes
- Update: Smart and Future Cities Institutional Funding

Afternoon Streams:

Session A:	Session B:	Session C:	Session D:
Innovative Apps, Visualization & Geo Information	Collaborative Citizens Services: Open data, Enabling Communication	Sustainable Cities & Urban Redevelopment	Assisted living

Conference Day Two, 30th April

Morning Plenaries:
- Smart City Governance
- Smart City Case Studies

Workshop session: The Path To The Smart City: Practical Steps to Making Smart Cities

Afternoon Plenary:
- UK City Case Studies

> 66 The calibre of speakers for the event was outstanding."
> **Chelmsford City Council**

A truly unrivalled international speaker line up:

David Willetts
the Minister for Universities and Science
UK Government

Professor Sir Alan Wilson
Chair of the Future of Cities Lead Expert Group
UK Government Office for Science

Peter Madden
CEO
Future Cities Catapult

Colette Maloney
Head of Unit Smart Cities and Sustainability Unit
European Commission, Directorate-General for Communications Networks, Content and Technology
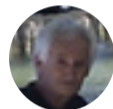
Dr Shaun Topham
President
eForum /EU-China eForum

Joe Dignan
Smart Cities Evangelist

Joe Montgomery
CEO
Urban Land Institute

Tom Barrett
Director
European Investment Bank

Michael McLaughlan
Programme Director
Glasgow Future Cities Demonstrator Programme

Stephen Hilton
Director of the Futures Group
Bristol City Council

Fiona Strens
CEO and co-founder
Crowd Vision

Nick Bromley
Consultant
Greater London Authority - iCity London

Philipp Bouteiller
CEO
Tegel Projekt

Ajit Jaokar, Member WSC Advisory Board, Editor OpenGardensBlog
Future Text

Hans Christian Christiansen
partner of Transform
City of Copenhagen

Paula Hirst
Founding Partner
Disruptive Urbanism

Raj Mack
Head of Digital Birmingham
City of Birmingham

Veronica Haunold
CEO
TINA Vienna

Ger Baron
ICT Program and Cluster Manager, **Amsterdam Economic Board**

Geoff Snelson
Director of Strategy, Corporate Core
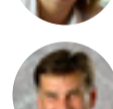**Milton Keynes Council**

Shane Rooney
Executive Director, Smart Cities & Transport, **GSMA**

Servan Lacire
Representative
IssyGrid Consortium

Veera Mustonen
Project Leader, Smart Kalasatama
City of Helsinki

George Hazel
Programme Champion
Scottish Smart Mobility

Dr Scott Steedman CBE,
Director, Standards
British Standards Institution

Dave Smith
CEO
Sunderland City Council
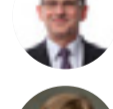
Melanie Nutter
Former Director
San Francisco Department of the Environment

John Caswell
Founder and Chief Executive Officer
Group Partners Business Consulting

Manel Sanromà
Chief Information Officer
Barcelona City Council

Sauro Vicini
eServices for Life and Health
IRCCS San Raffaele Hospital, Milan

Andrew Collinge
GLA programme sponsor for iCity. Open Data and the London Datastore
Greater London Authority

Mischa Dohler
Chair Professor, King's College London Board of Directors
Worldsensing

Andre Stelzner
CIO
City of Cape Town

Mr. Andoni Aldekoa
CEO
Bilbao City Council

William Cobbett
Director, **Cities Alliance, Brussels**

Brenna M. Berman
Commissioner & Chief Information Officer
Department of Innovation & Technology, City of Chicago

Nishant Shah
Senior Analyst
Ovum

Suzanne Holt Ballard
Co-founder
Future Cities Lab

Stuart Thorogood
Zone President
Schneider Electric UK & Ireland

Katherine Woodhouse
Global Business Development, Smart Cities
Schneider Electric UK & Ireland

Tim Pryce
Head of Public Sector
Carbon Trust

Charlotte Palmer
Climate Change Manager
Peterborough City Council

Why does this event matter?

Smart Cities are set to reach new heights in the UK, as Government, cities, businesses and universities are joining forces to make sure the UK is leading the global race to develop smarter cities. A new forum led by government, will see local authorities and businesses working together to ensure that growth opportunities are not missed in a market estimated to be worth more than $400 billion globally by 2020.

The Forum is a key part of the Information Economy Strategy. Published earlier this year (2013) the strategy involves government and industry working together to support a digital sector that employs around 1.5 million people in the UK.

Government is already investing in the development of new technologies to support this sector. £50 million is being invested by the Technology Strategy Board in a Future Cities Catapult in London that will support businesses looking to commercialise their products and get them into the market place.

The Technology Strategy Board is also investing £24 million to create a future cities demonstrator in Glasgow. The city will demonstrate how new integrated services across health, transport, energy and public safety can improve the local economy and increase the quality of life. It will also allow UK businesses to test new solutions that can be exported around the globe.

Register at www.SmarttoFuture.com

CONFERENCE DAY ONE, 29TH APRIL

08.30 **Registration and Refreshments** 🕐

SMART TO FUTURE CITIES

09:00 **Chair: Opening Remarks & Speed Networking** 🔴
Nishant Shah, Senior Analyst, Ovum

09.15 **Examining Bilbao's evolution as a smart city**
CITY CASE STUDY
- Committing to knowledge, excellence and internationalisation, as well as to new urban industrial policies that include technology, sustainability and design
- Outlining the Zorrozaurre project
- Developing the Innovation Agenda – a strategic project shared with citizens, the private sector, and other public administrative bodies
- Implementing a city-region concept – rather than a municipality that operates in silo from other administration
*Mr. Andoni Aldekoa, CEO, **Bilbao City Council***

09.40 **The science of cities: Foresight pointers to 2065**
UK GOVERNMENT
- The Government Office for Science Foresight Project on the Future of Cities is seeking to establish evidence to facilitate scenario building for the long term.
- The aim is to advise on short-term urban policies that will have long-run consequences.
- What is the state-of-the-science that underpins this project?
Professor Sir Alan Wilson, Chair of the Future of Cities Lead Expert Group,
UK Government Office for Science

10.05 **Delivering urban efficiency through collaboration. Today.**
- What makes a city smart?
- Getting to smart : the journey
- Smart cities today : from myth to reality
*Stuart Thorogood, Zone President, **Schneider Electric UK & Ireland***

10.30 **Morning Coffee Break and Networking** 🕐
Take advantage of the 1:1 meeting booking service to ensure you sit down with those you want to do business with.

SESSION A: Chair: Joe Dignan, Smart Cities Evangelist

INNOVATIVE APPS, VISUALIZATION & GEO INFORMATION

14:25 **Don't forget the crowds!**
- The importance of people in cities
- Optimising cities to support and cope with crowds of people going about their daily lives
- The benefits of measuring and analysing live pedestrian flows and crowding
*Fiona Strens, CEO and co-founder, **Crowd Vision***

14:45 **Outlining London's Open Data platform and iCity Open Infrastructures and how the GLA is working with the London Boroughs to identify their smart requirements**
CITY CASE STUDY
- Building an open data and open infrastructure urban platform to deliver data and enable remote monitoring and control of city services across European cities
- Providing an innovation platform for software developers to access API services for the creation of 'apps' across transport, leisure, health and environment sectors
- Why Open Data and Open Infrastructure will become the 'New Utility' and foundation for 'Building a smarter London'
*Nick Bromley, Consultant, **Greater London Authority***

15:05 **Chicago's smart city evolution**
CITY CASE STUDY
- Outlining the Chigaco Tech Plan to provide long-term strategies to enable communities to enhance social and economic opportunity
- Examining how the Open Data Portal and predictive analytics platform have transformed how the City uses data
- Examining the development of the "WindyGrid" spatial analytics platform
*Brenna M. Berman, Commissioner & Chief Information Officer, **Department of Innovation & Technology,** City of Chicago*

15:25 **INTERACTIVE PANEL SESSION:**
PANEL
Exploiting the opportunities of innovative apps, visualization and geo information
- How can technology enable citizen participation, creativity and develop open government?
- What information are cities and citizens providing and generating? How can this be used to enhance the city's operation?
- What are the successful new methods of communication between cities and citizens?
Panellists:
*Shane Rooney, Executive Director, Smart Cities & Transport, **GSMA***
*Further panellists to be announced please see **www.smarttofuture.com***

15:55 **Afternoon Coffee Break and Networking** 🕐
Take advantage of the 1:1 meeting booking service to ensure you sit down with those you want to do business with.

SESSION C: Chair: Joe Dignan, Smart Cities Evangelist

SUSTAINABLE CITIES & URBAN REDEVELOPMENT

16:25 **How to TRANSFORM a city into the future?**
CITY CASE STUDY
- How to start a TRANSFORMation agenda of your city?
- Who are the Key Stakeholders?
- How to manage the TRANSFORMation process?
*Hans Christian Christiansen, Partner of Transform, **City of Copenhagen***

16:45 **Sustainable city development in Cape Town**
CITY CASE STUDY
- Outlining the drivers for smart city transformation in Cape Town
- Managing diverse City services on a single integrated ERP platform
*Andre Stelzner, CIO, **City of Cape Town,** To be confirmed*

17:05 **Smarter Cities: Using smart technology as a tool in Real Estate development and urban design**
DEVELOPER CASE STUDY
- Understanding the specific challenges and opportunities of development within a mature city as opposed to Greenfield
- Meeting the specific requirements of city departments Including energy and transportation
- Building smart city data into sustainable smart city planning strategy
*Joe Montgomery, CEO, **Urban Land Institute***

17:25 **INTERACTIVE PANEL SESSION:**
PANEL
Meeting the challenges of enabling smart sustainable cities
- Developing mart water grids and smart water management systems to help make the most of available water resources
- New approaches to reducing the production of urban waste
- Successfully tackling CO2 emissions in the city
- Developing urban green spaces
*Hans Christian Christiansen, Partner, **Transform,** City of Copenhagen*
*Charlotte Palmer, Climate Change Manager, **Peterborough City Council***
*Katherine Woodhouse, Global Business Development, Smart Cities, **Schneider Electric UK & Ireland***
*Tim Pryce, Head of Public Sector, **Carbon Trust***
*Melanie Nutter, Former Director, **San Francisco Department of the Environment***

17.55 **Close of Day One**

UPDATE: SMART AND FUTURE CITIES INSTITUTIONAL FUNDING

11:30 **TSB Future Cities Catapult Update. Financing Future Cities: addressing the need for large-scale investment in smart cities**
UK FINANCE
- Enabling greater access to finance for integrated city systems
- Outlining investment opportunities and new funding models
- Developing financial mechanisms to unlock smart city opportunities
*Peter Madden, CEO, **Future Cities Catapult***

11.55 **An EU view on Smart Cities**
EU FINANCE
- Outlining general initiatives of the European Commission on Smart Cities
- Presenting the European Innovation Partnership on Smart Cities and Communities (EIP SCC)
- Informing about related Call for Proposals and Invitation for Commitments
*Colette Maloney, Head of Unit Smart Cities and Sustainability Unit, **European Commission,** Directorate-General for Communications Networks, Content and Technology*

12.20 **Update on the EU China Smart Cities initiative**
INTERNATIONAL FINANCE
- Examining the drivers for the dialogue
- Detailing year two of the initiative
- Forecasting the long term benefits
- Ambition for the project from the Chinese perspective
*Dr Shaun Topham, President, **eForum /EU-China eForum***

12.45 **INTERACTIVE PANEL SESSION: Practical strategies for funding and finance of smart infrastructure projects**
PANEL
- How can cities and project developers attract greater interest from institutional investors and investment banks?
- How to mobilise financial instruments outside EU funding: Mobilise the developer community and SMEs; The potential of crowd source funding
- Determining optimum infrastructure funding cycles (50 years) and the financial system and tools to meet those needs
- Making infrastructure systems a 'joint venture' between the city, metropolitan authorities and finance infrastructures to ensure integration and to build smarter, more efficient, and resilient cities
*Chair: Paula Hirst, Founding Partner, **Disruptive Urbanism***
*Panellists: Deepak Bhatia, eGovernment Practice Leader, ICT Unit, **World Bank,** To be confirmed*
Tom Barrett,** Director, **European Investment Bank
***William Cobbett,** Director, **Cities Alliance,** Brussels*

13.25 **Lunch and Networking** 🍴
Take advantage of the 1:1 meeting booking service to ensure you sit down with those you want to do business with.

SESSION B: Chair: Nishant Shah, Senior Analyst, Ovum

COLLABORATIVE CITIZENS SERVICES: OPEN DATA, ENABLING COMMUNICATION

14:25 **Outlining the TINA Vienna - "Intelligent open city"**
CITY CASE STUDY
- Outlining the Smart City Wien strategic plan
- Determining the assessment criteria for smart city projects
- Developing services for the smart citizen in the smart city
*Veronica Haunold, CEO, **TINA Vienna***

14:45 **Berlin TXL – From International Airport Tegel to The Urban Tech Republic**
CITY CASE STUDY
- Outlining the evolution of Berlin TXL
- Creating an innovation hub 5% the size of Paris
- Why Urban Technologies form the basis of smart cities
*Philipp Bouteiller, CEO, **Tegel Projekt***

15:05 **Examining the open data developments in Smart Kalasatama**
CITY CASE STUDY
- Developing Kalasatama into a model district of smart urban development with the help of open data
- Taking advantage of multiple technologies and innovations
  - smart energy systems
  - waste removal system
  - health care innovations and community services
  - smart transportation and traffic plans
*Veera Mustonen, Project Leader, **Smart Kalasatama,** City of Helsinki*

15:25 **INTERACTIVE PANEL SESSION:**
PANEL
Open Data – Enabling Citizens to collaborate with their Smart City
- Understanding the importance of public engagement in the smart city
- Enabling communication between citizens and the city
- Determining the data that local government can make available to the public
- Making the case for an open data platform
- Addressing data security concerns
Panellists:
*Ajit Jaokar, **Future Text***
*Andrew Collinge, GLA programme sponsor, **iCity. Open Data and the London Datastore, Greater London Authority***
*Further panellists to be announced please see **www.smarttofuture.com***

15:55 **Afternoon Coffee Break and Networking** 🕐
Take advantage of the 1:1 meeting booking service to ensure you sit down with those you want to do business with.

SESSION D: Chair: Nishant Shah, Senior Analyst, Ovum

ASSISTED LIVING

16:25 **Outlining the work of the life sciences and health cluster of the Amsterdam Economic Board**
CITY CASE STUDY
- Examining the development of health lab to enable innovative care technologies
- Developing living labs to test new solutions
- Achieving co-operation across disparate organisations
*Ger Baron, ICT Program and Cluster Manager, **Amsterdam Economic Board***

16:45 **E-Services for a Smarter and Healthier City**
HEALTH SERVICE CASE STUDY
- Engineering Awareness and User Co-Creation
- City of the Future Living Lab Methodology
- eServices for Well-Being, Active Aging and Healthy Living
Sauro Vicini, eServices for Life and Health,
***IRCCS San Raffaele Hospital,** Mlian*

17:05 **Session details to be announced**
*see **www.smarttofuture.com** for further details*

17:25 **INTERACTIVE PANEL SESSION:**
PANEL
Enabling Assisted Living in the Smart City
- Assessing virtual, remote and home rehabilitation for citizen-centric care
- Outlining innovative approaches to social services and health issue prevention
- Exploiting health analytics ensure better health in growing Cities
*Ger Baron, ICT Program and Cluster Manager, **Amsterdam Economic Board***
*Sauro Vicini, eServices for Life and Health, **IRCCS San Raffaele Hospital,** Mlian*
*Suzanne Holt Ballard, Co-founder, **Future Cities Lab***
*Further panellists to be announced see **www.smarttofuture.com** for further details*

Register at www.SmarttoFuture.com

CONFERENCE DAY TWO, 30TH APRIL

08.15 **Registration and Refreshments**

08.50 **Introduction: Reviewing key points from day one sessions**
Chair: *Joe Dignan, Smart Cities Evangelist*

SMART CITY GOVERNANCE

09.00 **KEYNOTE PRESENTATION:**

UK GOVERNMENT

Outlining the UK's Smart City Industry Strategy
David Willetts, the Minister for Universities and Science, UK Government

09:25 **The role of standards in developing future cities**
- Creating frameworks of best practice for smart city projects
- Integrating data from Building Information Modelling (BIM) to improve city services
- Developing the business case and addressing procurement issues
- Managing risks and resilience in developing smarter cities and communities
  Dr Scott Steedman CBE, Director, Standards, British Standards Institution

09.50 **The City Protocol: the Internet of Things for Cities**

CITY CASE STUDY

- The City Protocol is a worldwide initiative to get Cities, Industry and Academia working together for the development of Smart Cities
- We project the lessons from the successful development of the Internet onto the application of Technology in Cities
- The City Protocol is a practical way to develop the Internet of Things in Cities worldwide
  Manel Sanromà, Chief Information Officer, Barcelona City Council

10.15 **The technology enabled smart city**
- Guiding principles for Smart City development
- Critical success factors
- Building a Smart City technology Roadmap
  see *www.smarttofuture.com* for further details

10.40 **Morning Coffee Break and Networking** ☕
Take advantage of the 1:1 meeting booking service to ensure you sit down with those you want to do business with.

SMART CITY CASE STUDIES

11.10 **Glasgow Case Study: Future Cities Demonstrator**

CITY CASE STUDY

- The Glasgow zeitgeist, how the time was right for post-industrial Glasgow to become a Future City
- The triple helix of the Demonstrators, Intelligent Operations Centre and City Technology Platform
- Harnessing the power of Open Data to transform services and create value
- Taking the concept of a Demonstrator and building a case for significant investment
- The lessons that have been learned through empowering citizens with data and intelligence
  Michael McLaughlan, Programme Director, Glasgow Future Cities Demonstrator Programme

11.30 **Intelligent (and driverless) mobility in the smart city**

CITY CASE STUDY

- Transport innovation at scale in Milton Keynes - the Low Carbon Urban Transport Zone (LUTZ)
- Intelligent Mobility - including a digital city mobility map, autonomous and on-demand services - and the extent to which it might offer solutions for the challenges of urban mobility in the 21st century
- Implementing an autonomous "pod" service in the centre of Milton Keynes
  Geoff Snelson, Director of Strategy, Corporate Core, Milton Keynes Council

11.50 **Smart Cities – The Untold Story: Big Data, Open Data and Citizen Engagement**
- Challenging some common views around the recent hype of smart cities
- Big data, what are the real opportunities?
- Open data and data privacy an opportunity or killing business innovation?
- Citizens: how much do they actually participate?
  Mischa Dohler, Chair Professor, King's College London, Board of Directors, Worldsensing

12.10 **Integration and application of energy in smart grids and cities**

ENERGY CASE STUDY

- Outlining the drivers for IssyGrid, the first district smart grid in France, enabling energy optimization at the neighbourhood level
- Examining the success of the management of the project by a consortium of companies as opposed to the state
- Outlining the industrial energy monitoring and control technology enabling the district to keep its carbon footprint and energy costs to a minimum
  Servan Lacire, Representative, IssyGrid Consortium

12.30 **Lunch and Networking** 🍴

Take advantage of the 1:1 meeting booking service to ensure you sit down with those you want to do business with.

VIP Luncheon (by invitation only)

INTERACTIVE WORKSHOP SESSION

13:30 **The Path To The Smart City: Practical Steps to Making Smart Cities**
The session will expand on Group Partners Structured Visual Thinking approach to co-creative development. In this hour Group Partners Business Consulting will explain how their approach combines some proven principles and contributes to creating smart cities by considering:

The way we think about ideas such as 'Strategy' and 'Roadmap'
- What it means to have a clear purpose and intention – the importance of clearly stating a vision and a definition for 'smart'
- How to create foundations for success - knowing what it will take, who needs to contribute, and the approach that needs to be applied

The Way that we think about Change
- The dynamic nature of cities and life within them - so that any programme of implementation is in tune with the dynamics of the environment and is able to adapt as required along the way
- The city as a 'living system' - appreciation of the interconnected nature of any city and the incremental nature of change within complex environments

Workshop session led by:
John Caswell, Founder and Chief Executive Officer,
Group Partners Business Consulting

Group Partners specializes in innovation and business strategy. Though the use of visual frameworks and structured visual thinking, we provide critical interventions for our clients that help them reimagine business, avoid solving the wrong problem really well, and achieve sustainable change within their companies and businesses enterprises. We are a deliberately small team; a mix of strategists, creatives and systems thinkers. We are passionate about developing meaningful models and executable solutions to solve 21st Century business problems.

14.30 **Afternoon Tea and Networking** ☕ *Take advantage of the 1:1 meeting booking service to ensure you sit down with those you want to do business with.*

UK CITY CASE STUDIES

UK CITY CASE STUDIES

UK Council Case Studies: Outlining Smart Cities Initiatives within UK Cities
The smart cities industry at more than $400 billion globally by 2020, with the UK expected to gain a 10% share ($40 billion). This series of UK case studies looks at the cities that are leading development in using intelligent technology in various different ways to enhance quality of life in urban environments.

- Understanding the drivers for smart city initiatives
- Achieving integration across the different services
- Achieving service innovation and efficiency for citizens

Each city will present for 20 mins then there will be a joint Q&A session

15:00 **Case study Sunderland**
Dave Smith, CEO, Sunderland City Council

15:20 **Case study Birmingham: Outlining the smart city roadmap and action plans: Collaborating with strategic partners to implement smart, health, open data and mobility projects**
Raj Mack, Head of Digital Birmingham, City of Birmingham

15:40 **Case Study Scottish Enterprise Smart Mobility**
George Hazel, Programme Champion, Scottish Smart Mobility

16:00 **Bristol Case Study**
Stephen Hilton, Director of the Futures Group, Bristol City Council

16:20 **Interactive Q&A panel session**

16:35 **Close of Conference**

Register at **www.SmarttoFuture.com**

Smart to Future Cities 2014

29-30 April 2014
Grand Connaught Rooms, London

Implementing an Integrated Infrastructure

TO CONFERENCE

SMART PARKING STATION

INNOVATION VILLAGE

REGISTRATION

INTELLIGENT TRANSPORT STATION

REFRESHMENT

The Innovation Village is designed to provide a marketing platform for smaller innovate "up and coming" start-ups; and to enable them to be positioned in the market place alongside the bigger players.

SMART ROADS STATION

MAKE YOUR OWN EXCLUSIVE STATION

> **Excellent and well attended."**
> **Network Rail**

> **Very interesting and inspiring"** **Copenhagen Cleantech Cluster**

Sold **S**
Reserved **R**

ORGANISED BY:

OVUM

GOLD SPONSORS:

hp

Schneider Electric

MEDIA PARTNERS:

CitiesToday · CITYZENITH · ComputerWeekly · EcoSeed · eSMARTCITY · EUROCITIES · GeoConnexion

Greenbang · Human Scale Cities · IES Internet-Enabled Services for the Cities across Europe · LEWIS DAVEY · SmartCitiesCouncil · SMART CITIES IN EUROPE · URBAN CITY

OVUM VIEW:
UK GOVERNMENT LAUNCHES A SMART CITY STRATEGY

Ovum welcomes the UK smart city industry strategy launched on October 9, 2013 by David Willetts, the Minister for Universities and Science. The new initiative is a twin-track approach to place the UK at the forefront of the development of smart city solutions and, in doing so, position it to take a $40bn share of the global $400bn smart city market by 2020. However, a common view of the "smart city" market needs to be established, and barriers to the adoption of smart city solutions remain. The strategy is a useful start, but development of the market needs long-term investment and planning and therefore continuity and stability in government policy.

THE STRATEGY BUILDS ON EXISTING INVESTMENT
The government strategy, announced in support of the initiative "The Smart City Market: Opportunities for the UK," builds on previous investment, including £95m of research through Research Councils UK, £50m investment over 10 years in the London-based Future Cities Catapult center, and £33m awarded to Future City Demonstrator projects this year.

Delegates at the launch heard that the significant opportunities to capitalize on this growing market are in the key verticals of transport, energy management, water, waste, and assisted living. Furthermore, 25% of the services that make up the smart city market are in design, research, finance, and engineering services, areas where the UK is strongly positioned to deliver both at home and abroad.

THERE IS A NEED FOR A COMMON VIEW OF THE MARKET
There are some major issues in attempting to discuss "smart cities" as a market that is instantly recognizable. First, "smart" is an obtuse tag, and there are myriad other tags in use such as "digital," "connected," and "intelligent." "Smart " is the global industry shorthand for this area of thinking, but if the UK wants to be seen as a global leader in the space, it should not dilute the brand; having opted for "future cities" in its Future Cities Catapult center it should stick with this term.
Second, there should be agreement on what is within the scope of the market and what is not. For example, a full definition of future cities would add public safety and security, education, economic development, and health to the five verticals named above. Indeed, most of the early solutions being implemented by cities use CCTV coverage, for example by the emergency services to improve responses to security threats with a "single view of an incident." Equally, for those cities that position their future city strategy for economic development, "security" is normally the top consideration in foreign direct investment (FDI) decision-making. Therefore, in Ovum's view, public safety and security is a critical component of the mix.

BARRIERS TO ADOPTION REMAIN
Ovum has written a number of reports suggesting that the market has passed the inflection point between vision and implementation, but the speed of adoption needs to speed up dramatically if the current level of investment from the supplier community is to be maintained. Suppliers, and those in the IT industry in particular, have invested heavily in R&D

to address the challenges of the future city market, with little return to date. The major barrier has been the absence of a customer that has the authority, responsibility, and access to finance to address the horizontal nature of future city challenges.

The UK government's Department of Business, Innovation & Skills (BIS) recognizes this issue, and the recent investment from the Technology Strategy Board in the Future Cities Demonstrator Challenge and the Future Cities Catapult center are steps in the right direction, but more needs to be done. Interestingly, there was agreement from the panel at the launch event that the UK is one of the most centrally controlled countries in the developed world, and that there is a strong argument that cities should be granted greater autonomy in their future cities strategies. BIS also points to a number of other barriers, such as lack of access to finance, public sector procurement rules, and data sovereignty, but these are secondary to the creation of a functioning customer.

FUTURE CITY DEVELOPMENT MUST BE LONG TERM
The smart city industry strategy is a useful start to a national strategy for future cities. Willetts pointed out in his address that Britain was the first country to witness mass migration to the city during the Industrial Revolution in the early 19th century, and that a future city strategy is, by its very nature, a long-term commitment. For it to succeed there is a need for policy stability, and with UK elections only two years away it would be useful for other relevant parties to state their thinking on future cities to ensure continuity and allow for long-term investment and planning.

Register at **www.SmarttoFuture.com**

CONNECT WITH US

@ovumlive @ovumict

ovumlive.wordpress.com

Ovum – ICT Research
group

www.facebook.com/
ovumlive

www.storify.com/
OvumLive

FOR SPEAKING ENQUIRIES:
laura.tytherleigh@ovum.com
+44 (0) 20 7017 6472

**FOR SPONSORSHIP/
EXHIBITION
OPPORTUNITIES:**
svetlana.meshkova@ovum.com
+44 (0) 20 3377 3993

**FOR MARKETING
ENQUIRIES:**
andrew.cleary@ovum.com
+44 (0) 20 7017 6348

**TO BOOK A
DELEGATE PLACE:**
registrations@ovum.com

PRICES AND HOW TO BOOK

PRIORITY CODE: STF/BRO

OVUM

Smart to Future
Cities 2014

29-30 April 2014
Grand Connaught Rooms, 61-65 Great Queen St, London WC2B 5DA
Book discounted accommodation:
www.smarttofuture.com/accommodation

Secure online registration:
www.smarttofuture.com
The booking hotline:
+44 (0) 20 7017 5506
E-mail customer services:
registrations@ovum.com

Company type	PRICE
City Government Administration/enterprise end users	FREE
Vendors, IT/wholesale solution providers, and consultants	£1295 + VAT @ 20%

Accommodation: Delegates are responsible for the booking and payment of their own accommodation. You can however take advantage of the special rate that Ovum has negotiated with the conference venue. For further information please visit www.smarttofuture.com/accommodation