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From Telecities to Intelligent Cities (IntelCities)

• Transforming cities, transforming lives
• Pool experience and expertise from across Europe
• New e-Government Interoperability Framework (eGIF)
• E-City Integrated Development Environment (IDE)
• New business models – PPPs/social enterprises
• New public assets and city trading networks
Manchester’s Strategic Development of ICT

How did Manchester get involved - key milestones:

- Review of the City’s Economic Development Strategy in 1989
- Information Society adds new challenges to urban regeneration
- Changing the image of Manchester – creativity and innovation
- Three linked elements to the City’s Strategic Framework for ICT
  - central to regeneration – externally facing – bring local benefit
  - transformation of services – internal infrastructure
  - human resources – developing skills and confidence at all levels
Manchester’s image and reputation

• the ‘original, modern’ city
• from ‘dirty old town’ to ‘theatre of dreams’
• importance of creative and cultural assets – sport/music
• strong virtual presence – e-Manchester – changes people’s perceptions of the real place
• importance of e-tourism through new e-services provided by creative, cultural and community networks
• e-visitors become real visitors and potential investors
Tackling the Digital Divide

Contradictions and challenges:

• innovation and growth sitting side by side with continuing deprivation
• advanced digital applications but most local people don’t use them
• need to connect opportunities of knowledge economy with local needs
• existing infrastructures unavailable to many facing social exclusion
• bridging the digital divide is essential for sustainable development
Exclusion = social + digital + financial

- Financial exclusion was the biggest problem
- Creative thinking needed – use credit unions for ‘buy in’
- Infrastructure exclusion, e.g. 25% of households in East Manchester no longer used telephone landlines
- New delivery systems needed, e.g. wireless broadband
- New structures to deliver these, such as social enterprises
- Citizen-led e-services are needed
- Citizens as active producers of content - not just passive consumers
Lessons learnt to date

• Social innovation is as important as technological innovation
• Importance of the voluntary sector in developing local initiatives
• From Electronic Village Halls to Electronic Neighbourhoods
• Access and training are crucial and ongoing
• Content production and new e-services are increasingly important
• Building and renewing partnerships is a continuing process
• Experience of East Manchester – building a digital ‘New Town’
• Sustainability remains the key challenge
Social innovation + digital innovation

• Reversing the decline of inner urban areas
• East Manchester: 100,000+ people to less than 30,000 in 40 years
• New East Manchester – ‘Sport City’ and “New Town in the City”
• Being ambitious – aim to have 60,000+ people by 2012
• Community engagement - kit, connectivity and capacity building
• £200 for new PC, £60 for a refurbished PC – 90% went for new
• Credit Union (CU) low-interest loans – UK’s fastest growing CU
• 350 households to 3,500 households and Stage 3 to 5,000+
• Internet access from 10% to 50%, broadband from 2% to 25%
• Currently 4,300 users and 1,400 have active wireless connections
Tower Blocks, Police Station, Data Centre
5.8 GHz 90 Mbps Backbone
2 x 10 Mbps Internet Feeds
17 Schools
2.4 GHz, 11 Mbps
9 UK Online Centres
2.4 GHz, 11 Mbps

East Manchester – Beswick, Clayton & Openshaw
Demonstrating real local benefit

Eastserve users are:

• More aware of employment opportunities
• Keen to get further IT training (more than one-third said this)
• More likely to take part in other education/training opportunities (45% had done this)
• More likely to be looking for fresh challenges (if seeking work)
• Much more likely to be planning to seek work (if currently out of work)
• More interested in running their own business and getting training to do this
Manchester’s ‘Digital Challenge’

- Reaching a critical mass – extending the Eastserve model
- City-wide basis (25,000+ households) - city-region (250,000+)
- Media convergence – Web portals to community based IPTV
- Future-proofed infrastructure – synergy - fibre and wireless
- Fibre To The .....where??...Home/Door/Street??
- Promoting new business models – PPPs and social enterprises
- Also opening new markets for ‘Cities as Businesses’
- Creating and sustaining jobs in the networked digital economy
- Ensuring that local people have the skills to access to these
Putting the ‘e-’ into regeneration –
from ‘connected communities’ to ‘intelligent cities’
(lessons drawn from the EU IntelCities Project)

• need to improve urban governance and sustainability
• improve communication - administrations, citizens and businesses
• develop new city information infrastructures
• exploit new public assets with innovative business models
• new potential for PPPs and social economy enterprises
• local people and businesses - active producers of content and services
• capture and share experience across Europe and globally
e-City Vision for enhanced governance

Intelcities will create and integrate a set of innovative, e-government services that will improve the management and planning of cities through business intelligence, leading to higher quality, more sustainable urban environments, delivered via the e-city platform.

Citizens
- family, old people, disabled people etc.

Government
- politicians, public services officers

Businesses
- companies, professionals, transport service, etc.

Non-Governmental Organisations
- Friends of the Earth, Human rights etc.

Customers

e-City Platform enables INTEGRATED INFORMATION PROCESSING providing BUSINESS INTELLIGENCE

City Management Services Set

City Planning Services Set

Service data

Real-time data

Stats & trends

Spatial data
Emerging markets in Europe and beyond

• New EU member states and other countries in CEE
• International initiatives – Intelligent Communities Forum
• Support to enable cities to avoid ‘re-inventing the wheel’
• Recognition of strands of specialist expertise where countries are ‘leapfrogging’ the innovation process
• Role of trans-European networks and projects and EU funding programmes – e-TEN, FP7, Structural Funds
• The work of the IntelCities Alliance Consortium with support from Telecities and Eurocities
• Cisco Local Government e-Leaders Forum
IntelCities

+ another
100 cities
In Telecities
Where now?

• **Make** something happen - a ‘leap of faith’ – like Amsterdam or San Francisco

• **Mix** together social entrepreneurs with business entrepreneurs

• **Marry** together the best of wireless with the best of fibre

• **Mellow** and think imaginatively about sustainability
Further information:

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• MDDA - www.manchesterdda.com
• Manchester Community Information Network (MCIN) – www.mcin.net
• EU IntelCities project - www.intelcitiesproject.com
• Telecities – www.telecities.org or Eurocities – www.eurocities.org