



Together We Are The Network

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Background – Big Society



- **Big Society – Localism and Community**
 - Government focus on local communities “doing it for themselves”
 - Broadband is recognised as strategic imperative for UK now
 - Time to Build a Real World Network!

NextGenUs 4th Utility Model

- Social Enterprise 3rd Way Approach
- Objective - FttH as widespread in future as mains electricity is today
- Ubiquitous availability of service, provide everyone with at least the USC Digital Safety Net now
- 1ten100 approach using VSAT, wireless and Fibre as appropriate to provide service

What, Where, When

Delivery roadmap



Ashby Case Study



ADSL Broadband Notspot

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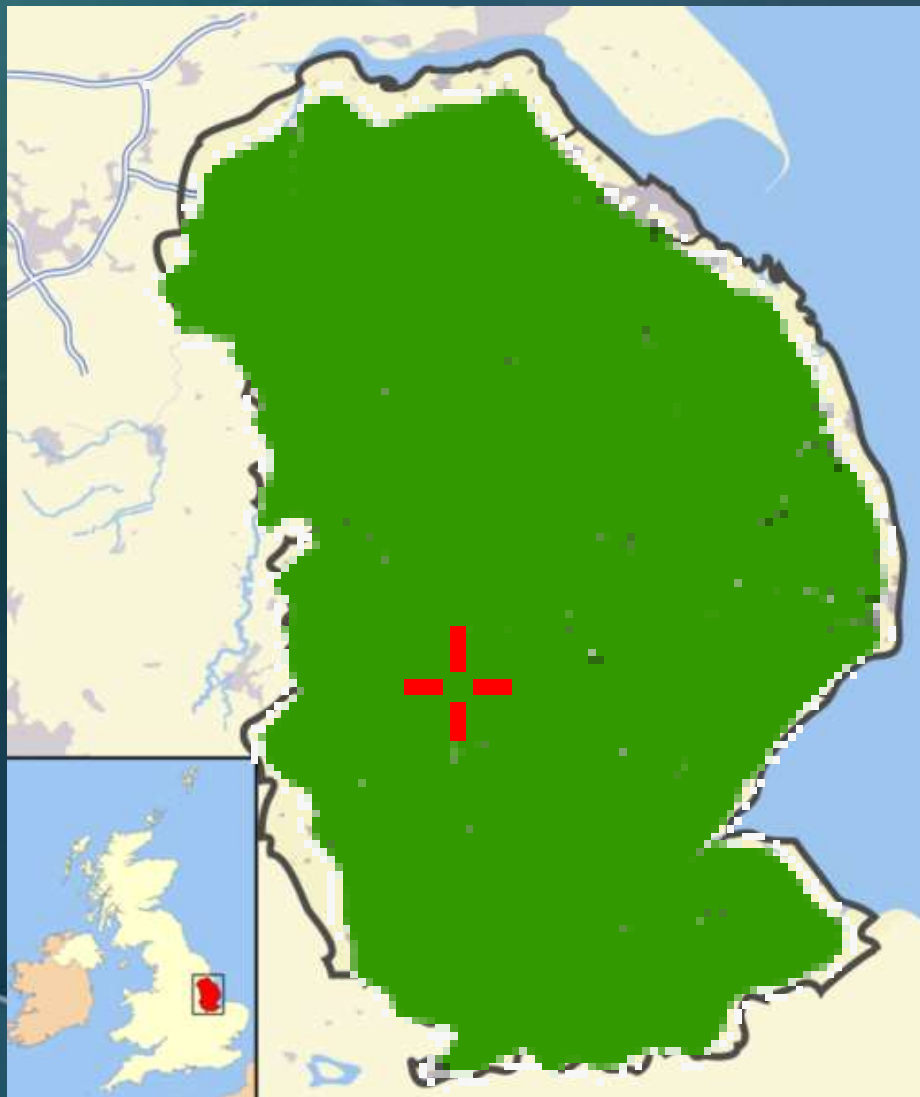
Great Community Spirit

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Ready for Change!

Thanks to SWBB

Geography



The FttH Build Challenge

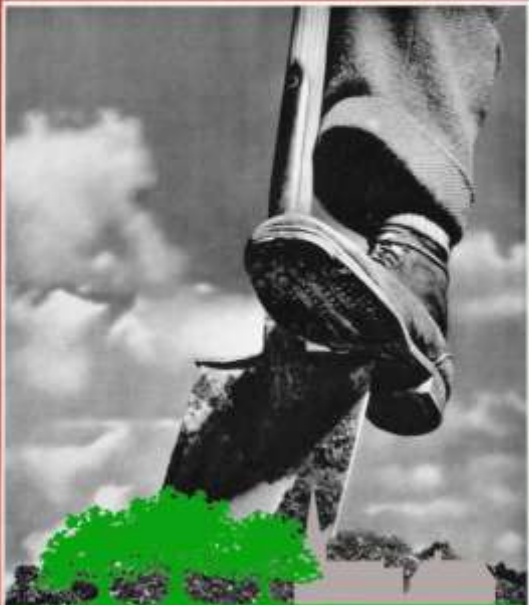
FttH Costs



- Biggest single cost of FttH is the Civils
- How can we drive down these costs?
- How can we drive customer uptake from the outset?

Dig Your Own Fibre

DIG FOR BROADBAND



NextGenUs Community Broadband

www.nextgenus.net 0800 512 34 04



Big Society Approach

- Encourage the local community to Dig Your Own Fibre to drive down costs and create a shared sense of delivery and ownership
- Goodwill from local landowners and authorities who recognise the different nature of the Social Enterprise approach
- *Together We Are The Network* ethos



Timeline - 1

- March 2010 – identify a community in digital pain that is ready to work together to solve this problem
- April 2010 – Public meetings, exceptional attendance, clear community commitment
- May 2010 – order fat pipe internet feed
- June 2010 – complete detailed design and procurement for the 1st Mile FttH network

Timeline - 2

- July 2010 – Build the Digital Village Pump
- August 2010 – deploy 1st Mile FttH
- October 2010 – complete FttH connections
- November 2010 – service live

Problems encountered

- Sounds great – what about the problems?
- Cutting through power cables, water pipes :(
- Difficulties with BT tail were biggest issue
- Over a two week period in August 2010....

Duct Sharing

- Excess Construction Charges went from £8600
- To £98000...
- To £250,000+ !!!
- Then back to zero – How?
- NextGenUs dug some 2 miles across country to BT and allowed BT to share NextGenUs duct

Ashby Stats at a Glance

- 45 FttH connections (75% uptake), Gbps symmetric to the home, 100Mbps symmetric internet service, initially
- 7 FiWi (12%), unable to fibre up readily due to access issues, upto 70Mbps symmetric internet service delivered wirelessly
- 8 Digitally Reluctant (13%) who can be brought on later as they choose (at higher cost to the customer)

Bigger Picture

Ashby + Digby and surrounding communities

2000+ household catchment area

FiWi delivery:

FttH to Ashby

Wireless to Digby and beyond District-wide

Everyone gets FttH over time by CIC surplus
reinvestment – no Digital Deadends!



Services

- Isenberg's Stupid Network Philosophy
- Fat Pipes, symmetric service, empowering the customers, opening the Digital taps
- Community TV in HD
- Improved TV reception, range of channels and quality of service
- Intranet capabilities within the local community – “walled garden”
- Improved Mobile Phone Coverage



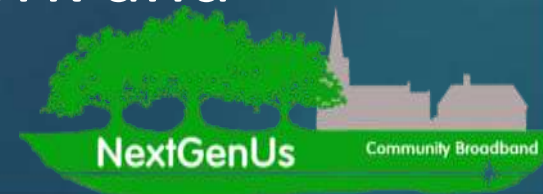
Outcomes and Futures



- Transforms a former BT Notspot into the UK leader for broadband speed
- Some 10,000 similar sized clusters across the UK together represent the Final Third
- Key Message is that this is a viable Big Society approach for each and every local community to seriously consider

Summary

- Not a penny of Public Subsidy involved to date
- A private and community funded project with support from Parish, District and County Councils
- Exemplar of Big Society Delivery
- Paradigm shift – providing a third way of telecoms utility ownership
- Putting people first - offering local communities a future-proof network and simply a better deal.





Together We Are The Network

Are you one of the 10,000 communities? Let's talk!
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