

Superfast fibre Broadband – Grange Park

Presented by:

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BT's fibre broadband roll-out



£2.5bn investment to bring “superfast” fibre broadband to around two-thirds of UK premises

- ▶ Already available to more than 17 million homes and businesses
- ▶ Over 6000 engineers working on the programme
- ▶ A mixture of fibre to the cabinet (FTTC) and fibre to the premise technology (FTTP)
- ▶ FTTC delivers speeds up to 80Mbps download and 20Mbps upload
- ▶ FTTP delivers speeds up to 330Mbps download and 30Mbps upload
- ▶ FTTP available “on demand” for anyone in our FTTC footprint
- ▶ Superfast Northamptonshire - County Council are working in partnership with BT to go further – 91% of premises (business and residential) in the county will get a fibre solution by 2015

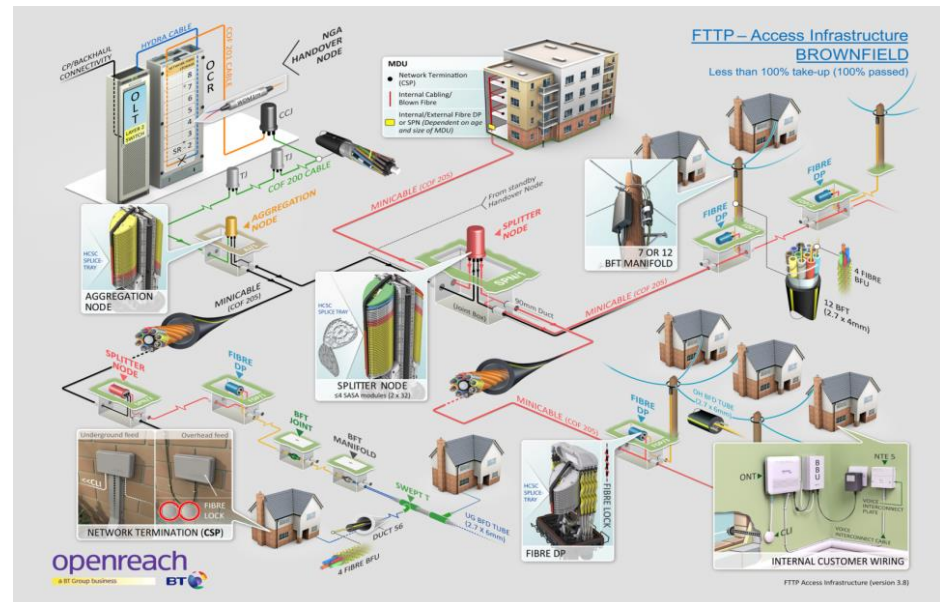
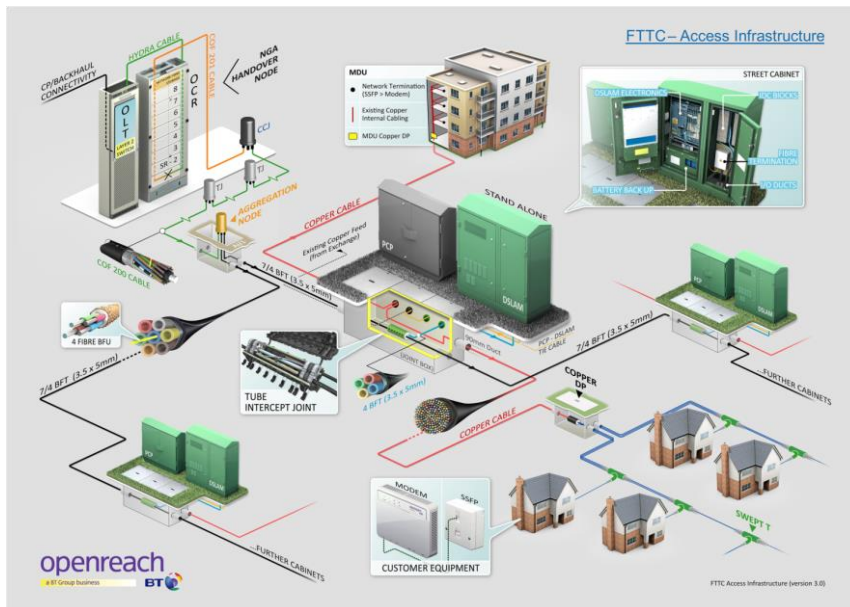


No other company in the world is investing as much in fibre without public sector support or a regulatory regime that allows for far greater returns

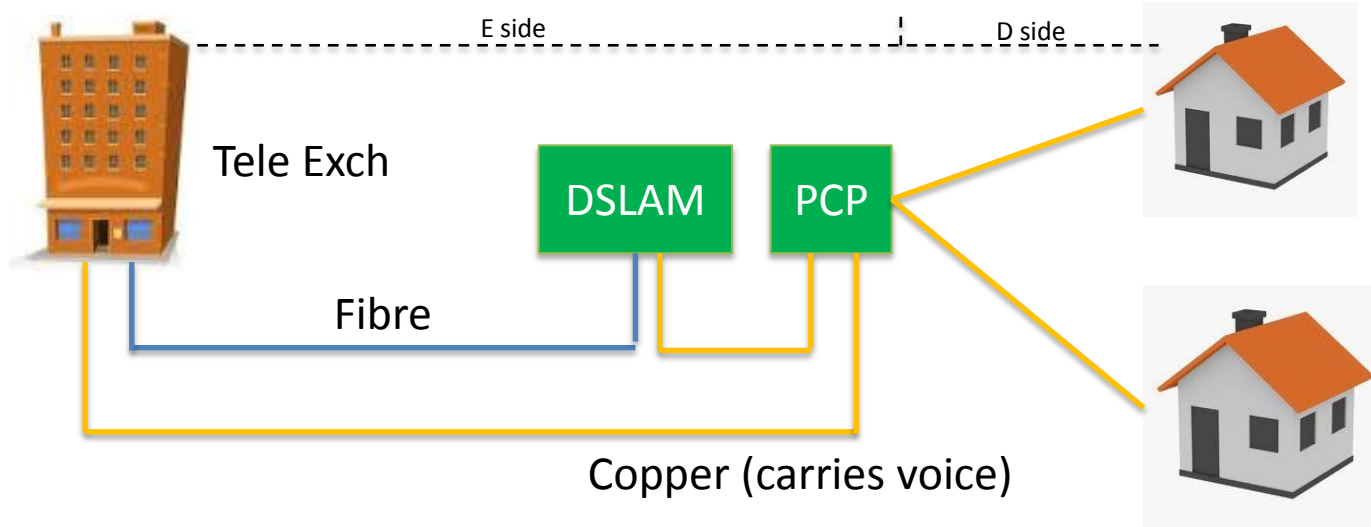
A Significant Engineering/Cost Challenge

The challenging areas for laying fibre are similar to laying any cable type, for example:

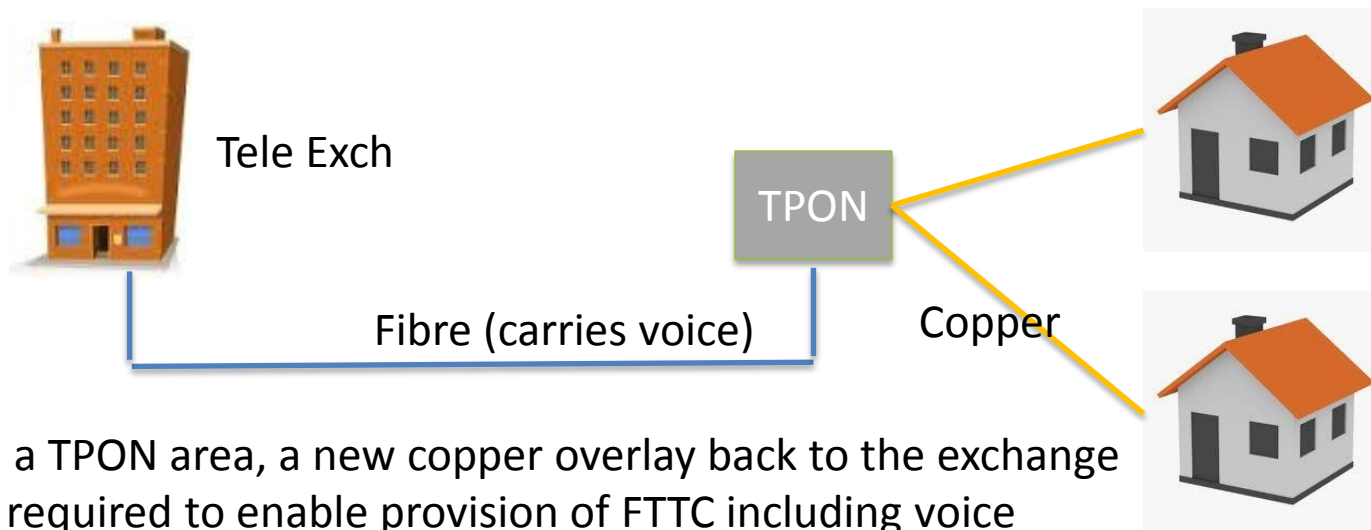
- Areas with a high number of duct blockages
- Areas where there is no existing duct
- Areas where duct routes are full of existing cable
- Areas where build activity will be more difficult (e.g. busy roads)
- Complete network rearrangements/new solution required (e.g. TPON/EoL)
- Provision of power (fibre cabinets include exchange capability)



Superfast fibre Broadband via FTTC (Fibre to the Cabinet)



TPON (Telephony over Passive Optical Network)



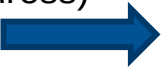
In a TPON area, a new copper overlay back to the exchange is required to enable provision of FTTC including voice

Postcode Checker

BT Wholesale ADSL Checker

https://www.btwholesale.com/pages/static/Community/Broadband_Community/Coverage/ADSL_Availibility_Checker.html

1. Click on URL and select search option (search via telephone number, postcode or full postal address)
2. Match cabinet number* (see example below) with structure (FTTC etc.) listed on next slide



BTwholesale

BT BROADBAND AVAILABILITY CHECKER

Telephone Number 01604762016 on Exchange HARDINGSTONE is served by Cabinet 96

Available Products	Downstream Line Rate(Mbps)	Upstream Line Rate(Mbps)	Downstream Range(Mbps)	Availability D
Featured Products				
WBC FTTC	Up to 77.1	Up to 20	--	Available

***Please note:** a particular postcode area may share a mix of structures (e.g. FTTC, TPON, EoL or structures requiring a network rearrangement) in order to facilitate the provision of superfast fibre broadband

Grange Park – Broadband Infrastructure

BT Commercial Rollout

- 1. FTTC live (business and residential)
 - Cabinets 1, 15, 96
- 2. FTTC planned for 2014 (business and residential)
 - Cabinets 84 and 95

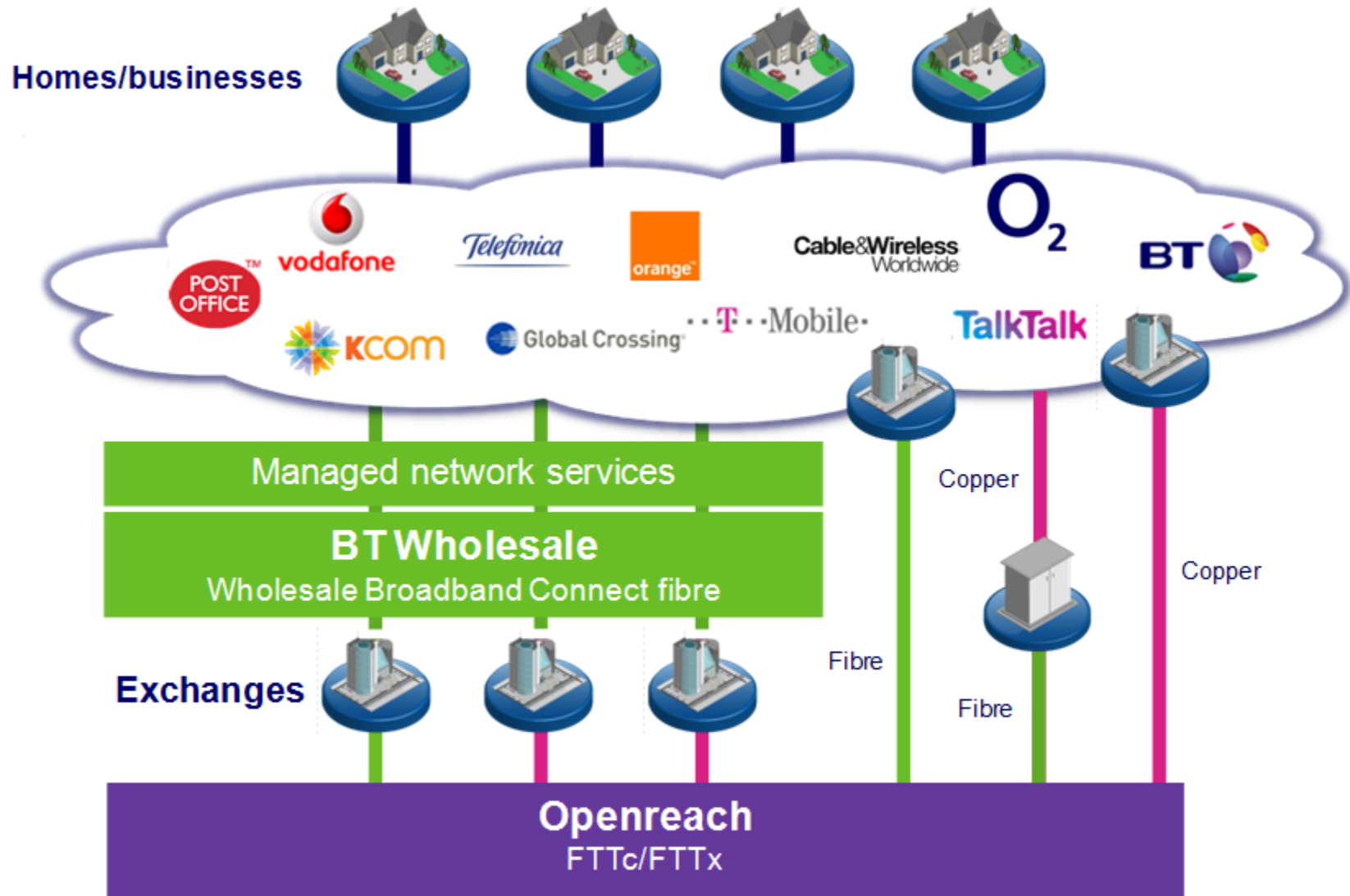
Superfast Northamptonshire/BT contract

- 3. FTTC planned for summer 2014 (business and residential)
 - Cabinets 24 and 82

Intervention Required

- TPON (technical solution: copper overlay/FTTC)
 - Cabinets 63, 65, 66, 67, 76, 77, 78, 79, 80, 90, 91
- Exchange only Lines/ Network Rearrangement Structures
 - Cabinets 64, 69, 72, 74, 83, 84, 85, 89

“Competition ready” network – critical for success



Further Information

www.superfast-openreach.co.uk



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Coming at the speed of light

Superfast Fibre Broadband

Who needs superfast broadband?

Our lives are more connected than ever. More and more gadgets and appliances – phones, TVs, tablets, games consoles – work best with a good internet connection. But as we share photos with friends online, stream HD movies, video call with family or colleagues, download games – or play online, traditional broadband connections find it harder and harder to cope. It's time to throw off the shackles and free everyone in the home to do what they want online – all at the same time. It's time for superfast fibre broadband.

When can I get it?

Search postcode

SEARCH



Who can I buy it from?

What people think

