The network is optical all the way to your home.

speed charts.



The network is symmetrical, you get the same speed for upload as for download.

Just received nearly £8M from a single investor.

Means they are allowed to dig up the road, etc.

See previous page!

Who is Gigaclear?

- Privately funded telecoms company founded in December 2010
- Code Powers granted by OFCOM in May 2011
- Completed 9th 1000Mbps pure fibre network in May 2014, 4 more to go live by Summer 2014
- Consistently rated as one of the fastest ISP's in the UK
- Shortly to launch wholesale offering with a range of ISP's





Hope to start digging on ours in September

As the fibre is a utility they have to share it, just as BT, British Gas, etc. have to.

Gigaclear are an ISP, but while they are still fairly small there are only niche ISP's wanting to share. But as they grow the Infrastructure, bigger ISP's are sure to want to join in.

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Gigaclear

Page 2

Aiming to be the rural de facto, as OpenReach are for the towns.

All underground, so not affected by the weather. Once it's in, the only sign will be new Tarmac.

It's going to be in the ground for 50+ years. So even if you don't want it, it's there for the next owner. (Very big selling point!)

What does Gigaclear do?

- We build pure fibre ultrafast broadband networks in rural communities
 - All underground service
 - 1000 Mbps symmetric network
- Connected to the UK's national fibre backbone
- Every property gets a connection point
- In parallel with existing copper based network
- Compliant with national regulations and local local authority & highways standards
- Use professional experienced contractors as used by other telecoms providers and utilities



It's fibre all the wayfrom your home to the world.

It's totally separate from your existing telephone lines. (See later for how you don't need BT for your telephone calls.)

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There is a national push to get super fast broadband to 90+% of homes.

The County Council are Co-ordinating this in Northamptonshire.

(See website on the next slide).

Why are we here?



Super fast broadband is defined as 24Mbps.

As you can see the communities currently get significantly less than that.

superfastnorthamptonshire.net

The process has been going on for some time and this is the second Open Market Review.

BT have shown no interest in supplying super fast broadband to West Haddon, Ravensthorpe or Guilsborough in either review.

uperfast Northamptonshire	SEARCH	Search		
PROVIDING ACCESS TO SUPERFAST BROADBAND FOR ALL BY 2017	home			
ME BIG PICTURE NEXT GENERATION STRATEGY BT PARTNERSHIP INTERVENTION AREA	DEPLOYMENT MAP - WHEN & WHERE ROLL OUT PLANNING & SUR	VEYS		
MAND SURVEYS FAQ'S KEY DATES BENEFITS SATELLITE DEMONSTRATOR NEIGHBO	DURING PROJECTS PUBLICATIONS NEWSROUND CONTACT US			
eployment map-when & where	Northamptonshire County Council	RFA. PTONSH		
	BLOGROLL			
Updated 26-06-2014				

- Gigaclear proposal to cover >5000 properties in Northants that were not due for intervention 'accepted'
- New coverage map imminent
- This means the areas proposed will have the best broadband in the country!

Gigaclear

NCC are delighted that Gigaclear are planning to provide a better solution, at a better price, than suppliers in other parts of the county. The first stage is to join West Haddon to the core network near Crick, and then to move out to Guilsborough, Coton and Ravensthorpe.

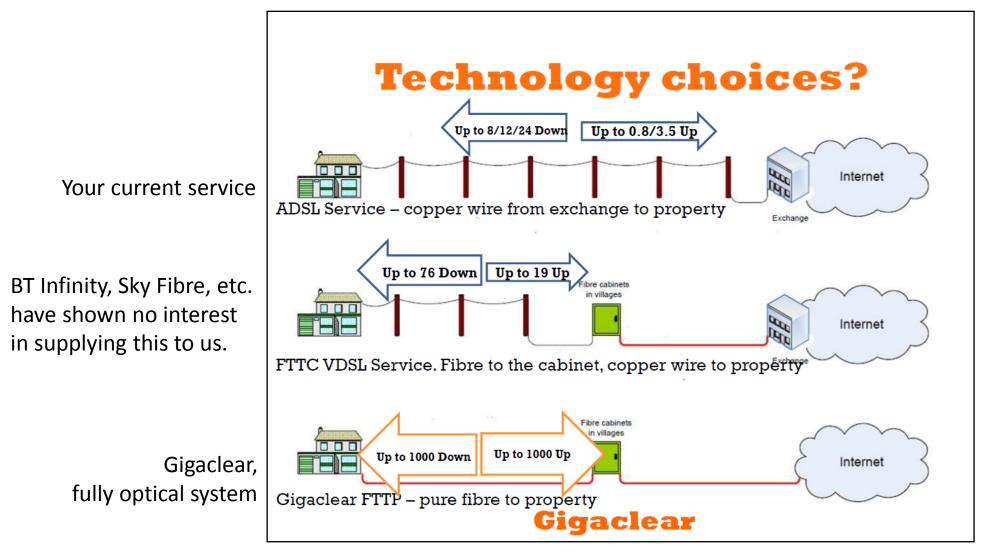
The hope is to start digging in September and have all properties running well before Christmas.

What are we planning to do?



Once the first stage is finished, the deployment will then move to Hollowell and beyond.

If you are on a private road, or there is some other impediment that you are aware of, then please let Gigaclear know. (They would rather hear of the same problem from 5 people now, than at a later stage in the planning.)



The length of the often very old wire is the main limiting factor on speed. Affected by weather. Asymmetric.

Still has the old wire as the main limiting factor on speed. Affected by weather. Asymmetric.

No limiting factor on speed. Not affected by weather. Symmetrical. You no longer have to meticulously plan ahead to achieve anything. You can just do it!

Transferring work is now a doddle. No more having to travel to work to perform the transfer.

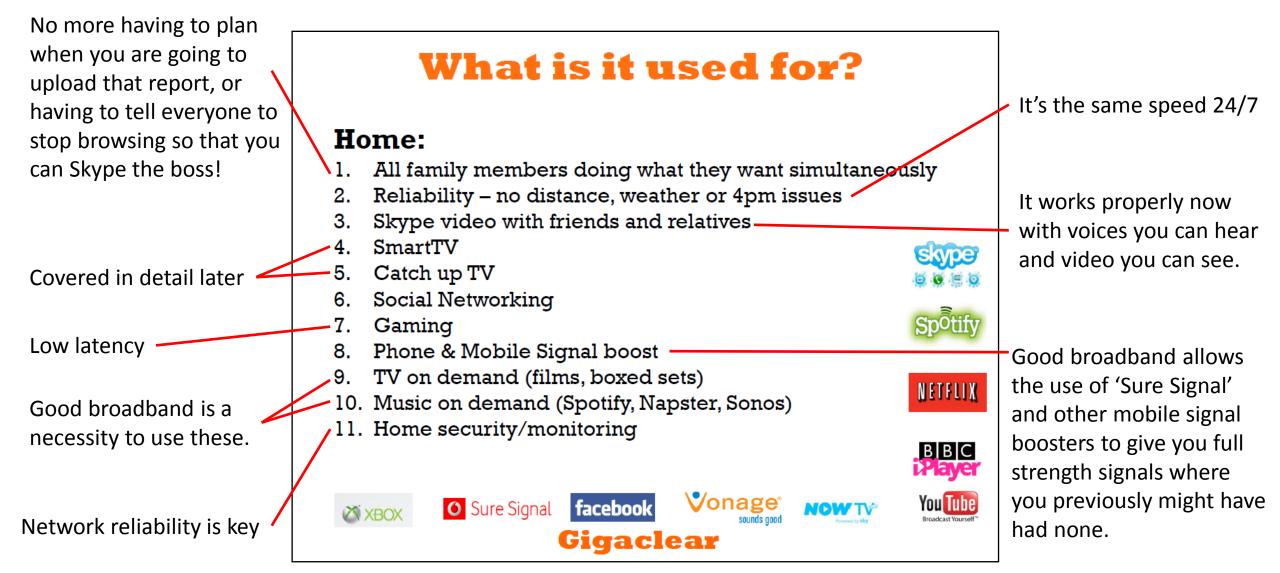
What difference does Fibre-to-the-premises make?

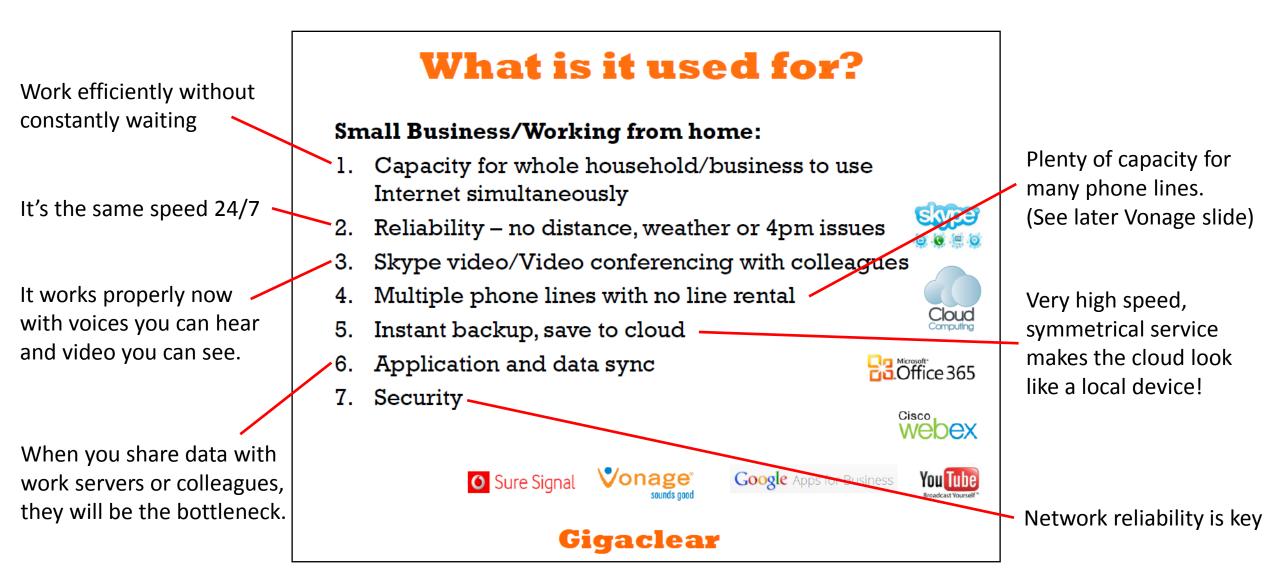
Typical Use	Typical Rural Time	Gigaclear Time
Download HD Movie	4 Hours	3-6 Minutes
Download TV Show	25 Minutes	20-30 Seconds
Upload Photo Album	1Hour plus	20-30 Seconds
Apple MAC OS download	6-8 Hours	2-3 Minutes
30Mb file Upload	10-30 Minutes	20-30 Seconds

- More free time
- Less frustration
- More entertainment
- More free or premium content

Gigaclear

Streaming TV now works without constant buffering.





BBC3 is moving to become a streaming only service – more will follow.

Catch up TV is only ever streamed across the Internet

4K TV requires at least 25Mbps in current trials. It's only ever likely to be streamed.

SmartTV – relies on fast Internet

A smart TV device is either a television set with integrated Internet capabilities or a set-top box for a television that offers advanced entertainment and services

NOW TV

Your TV never looked so smart.

Our tiny little NOW TV Box. Your big TV screen. Get live and on demand entertainment straight to your TV. Big choice. Big screen. Tiny box.

With a NOW TV Box and a NOW TV account you can:

- Turn your TV into a smart TV
- Watch the TV that suits you with a Sky Movies Month Pass, Entertainment Month Pass or a Sky Sports Day Pass
- Access catch up TV including BBC iPlayer, 40D and Demand 5 $\,$
- Download favourite apps like Facebook and Spotify







Ordinary TV's can be made smart with Now TV

Users can also buy Premium Sky content on a short term basis. Do you still need that huge Sky contract? £43 per month? I don't pay anywhere near that now!

(wait a couple of slides and we shall see...)

On such a high speed connection to the fibre Backbone, contention is unlikely.

Home user: contention ratio is 25:1 Business user: contention ratio is 10:1

What does it cost?

Three parts to the cost –

Gigaclear Home Broadband Products

Code	Product	Description	Usage Limit	Parental Controls	My Gigaclear website	Telephone Support 9-5 Working Days	Gigabit Router	Static IP Address	Connection Fee	Cost
H50	Home 50 Unlimited	50Mbps Downloads, 50Mbps Uploads	Unlimited	√	\checkmark	\checkmark	\checkmark	-	£100	£37.00/month
H100	Home 100 Unlimited	100Mbps Downloads, 100Mbps Uploads	Unlimited	~	\checkmark	\checkmark	\checkmark	-	£100	£42.00/month
H200	Home 200 Unlimited	200Mbps Downloads, 200Mbps Uploads	Unlimited	\checkmark	\checkmark	\checkmark	\checkmark	 Image: A second s	£100	£49.00/month
H1000	Home 1000 Unlimited	1000Mbps Downloads, 1000Mbps Uploads	Unlimited	✓	\checkmark	~	~	✓	£100	£69.00/month
300 5 T 48	Boost to Home 1000	48 hour boost to Home 1000 Unlimited	Unlimited	-	-	-	-	-	-	£4.80
Iome Product	s Contention: 25:1			-	Not Available	~	Included	 Image: A second s	Included & Optional	All Prices Include VAT
						ł			•	
Gigaclear										

1 time connection 1 time install (or DIY) Monthly fee

12 months minimum contract PLUS 3 months rolling termination period

(3 months + 3 months for tenanted property)

Get that boost for : LAN party Children home from Uni Show off to visitors Very large up/download

See website for business prices.

It goes to every property!

Gigaclear only want to disrupt the community by digging up the road once, so they will provide fibre to all properties.

All properties already have a small pot around their boundary with the water meter and stopcock (it's the round one in the lower photo)

The Gigaclear pot will probably be nearby (it's the square one in the photo)

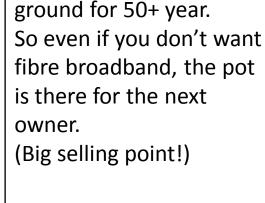
The engineers will suggest where they think is the best place to put the pot, but you can negotiate.

How is Gigaclear installed?

- Gigaclear will deliver a fibre connection point at every property we pass at no cost
- It is installed in the verge or just inside the property boundary, underground
- To connect to the service a fibre cable needs to be connected from this connection point to the property
 - Self Install no cost
 - Boxcom installation • Typically £95 (for 20M)



Gigaclear



It's going to be in the

The right hand photo shows a Boxcom installation (darker Tarmac and white conduit)

Self install instructions are at www.Gigaclear.com/Documentation

So you use your telephone for talking to people?

Essentially, you're just using your broadband for voice transport rather than BT's wires.

Your existing phones plug into the Vonage 'dongle', which then plugs into your router.

Your dongle 'becomes your telephone number' so you can plug it into broadband anywhere and receive and make calls as though you were at home. (Check with Vonage for any caveats to that.)

Telephone service Keep your phone number, use the same phones and

Unlimited Anytime calling package - covers landline calls in

Over 20 free calling features - including Voicemail to email,

No redial after 60 minutes - no clock watching - Vonage is

Unlimited International landline calls - up to 49 countries

Excellent voice quality - Vonage has consistent high quality

Number portability – Choose any non geographic number as

Unlimited free Vonage to Vonage calls to any country

1 month rolling contract – from £6 per month

No line rental – saving around £150 a year!

CallerID, 1471, call forwarding...

and the service is highly reliable

30 day money back guarantee

well as your existing landline number

with International call plan

sounds aood

Keep your existing telephone number or choose a new one.

Each dongle can hold two telephone numbers and you can plug multiple dongles into your router.

If you have many lines, contact Vonage for their best solution for you.

There is a free App that will take voice mail. It provides an attempt at converting to text as well as holding the recording.

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save money

the UK

truly unlimited

Gigaclear



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On the left is the 'best' we can hope for on our existing infrastructure. (£45.99)

Assuming that you are wanting to continue with voice calls, the cheapest Gigaclear price is already less. (£43.00)

Now compare apples with apples (and just assume that BT would actually deign to provide fibre services) we would be looking at Infinity 1 Unlimited, which still has a much lower 'up to' speed and is significantly more costly. (£52.99)

How do Gigaclear prices compare?

Comparison of BT and Gigaclear Broadband and Telephony Services Comparison made against pricing published at www.bt.com 22/06/14 This DOES NOT include any promotions or extras such as **BT Sport** Gigaclear H1000 + **BT Unlimited** Unlimited BT Infinit BT Infinity 1 Unlimited Gigaclear H50 Gigaclear H50 + Vonage **Broadband Extra** Vonage Fransmission Medium to premises **Optical fibre Optical fibre Optical fibre** Copper twisted pair Copper twisted pair Copper twisted pair 15 months 15 months Contract length 18 months 18 months 18 months 15 months DIY or from £95 Installation (one-off) Included Included Included DIY or from £95 DIY or from £95 Nil £30 Nil £100.00 £118.98 £118.98 Connection (one-off) Wireless Router Included Included Included Included Included Included Line Rental* £15.99 £15.99 £15.99 Nil £6 (Vonage) £6 (Vonage) Service Rental £16.00 £23.00 £26.00 £37.00 £37.00 £69.00 £7.00 Included Typical Call Features** £7.00 £7.00 N/A Included Anytime Calls £7 00 N/A £7.00 £700Included Included £45.99 £52.99 £55.99 £37.00 £43.00 £76.00 Service + Line Rental 50Mbps 50Mbps 940Mbps Maximum Download speed 16 Mbps*** 38 Mbps*** 76 Mbps*** Maximum Upload speed 940Mbps 50Mbps 50Mbps 0.8/3 Mbps*** 9.5 Mbps*** 19 Mbps*** Unlimited Unlimited Unlimited Unlimited Unlimited Usage allowance Unlimited

One thing to note is that there are some lower cost fibre bundles from BT with 10Gb/month download limits. But last year the average download per month across the country was 34Gb!

 * This is the monthly cost - if you pay 12 mo's in advance the cost is lower at £159.84

** BT charges £3.50 per call feature eg ring back, call waiting, call barring, call diversion, 3 way calling - Vonage includes these and more in the call plan

*** Depends on distance from the cabinet and quality of wire - this is the theoretical maximum.

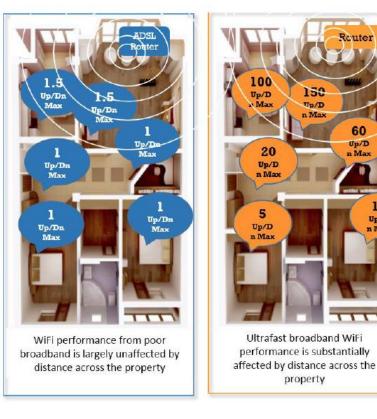


"Ya canna break the laws of physics!" - Scottie

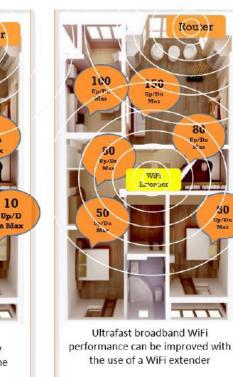
Wireless signals have a limited range in 'free air'. Place a wall in the way and it becomes much less.

With your existing router the throughput is limited by the broadband speed, and is so low to start with, that the degradation due to the wireless range is not noticed.

What about Wi-Fi?







With good broadband, the wireless speed is the limitation on throughput and the signal degradation really becomes noticeable.

For many people it will become a requirement to employ some kind of boost to the wireless to maintain the speeds they become accustomed to. If you want a faster Broadband, with a clearer Telephone, for a cheaper price then please sign up at your earliest convenience.

What happens next?

- Gigaclear is planning to invest and build across your communities this summer, we only need 30% of you to place an order
- All you need to do is place an order online or via our paper forms, this signs you up for 15 months
- We DO NOT collect any payments until the network is being installed
- If you are in an existing contract don't worry, your Gigaclear service can start at the end of the contract if you can wait
- If you are a tenant you can have a shorter contract

Gigameter



% Orders Needed Achieved

Congratulations Otmoor! You did it -Otmoor will now get the Gigaclear fibre broadband service. Sign up now to benefit from one of the best broadband services in the country.

> sign up now!

We need to achieve a 30% signup rate for the scheme to go ahead.

Otherwise we are left with no prospect of super fast broadband in the foreseeable future.

The sooner you order the sooner we will build – scheduled for September 2014

Order at <u>www.gigaclear.com/order</u> Check Progress at www.gigaclear.com/northants

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