BT wholesale

Towards the network of the future

REAL STREET

Gavin Jones BT Wholesale

Agenda

Towards the network of the future:

- 5G status update
- 5G in action

Building the network of the future:

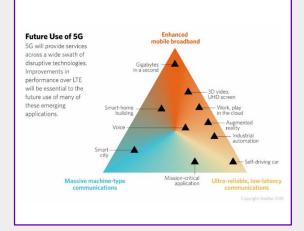
- Future of 5G
- Internet of Things (IoT)
- Securing the network of the future.

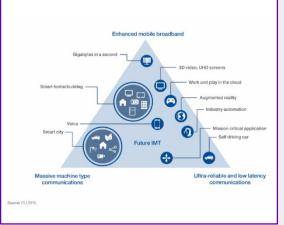
Summary and close

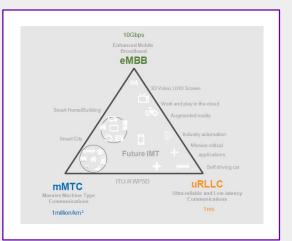
Questions

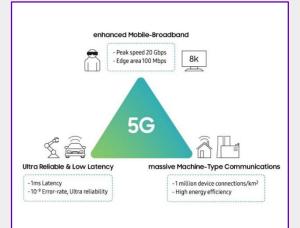


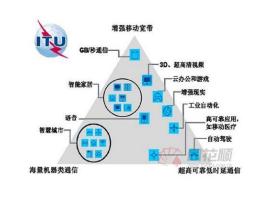
The demand for 5G







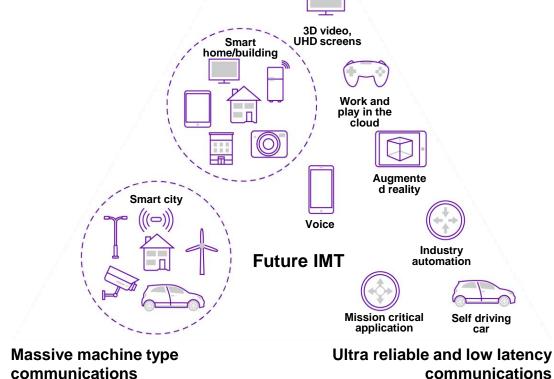






5G - A step change in the art of the possible

Enhanced mobile broadband

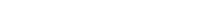




Our vision for 5G

A converged network that supports all services

Enhanced mobile broadband	М	Missions critical comms		Machine comms	
	Smart home	Agriculture	Lc	ogistics	Asset tracking





How 5G will revolutionise the media and entertainment industry



Remote production







Allows production staff to do multiple events in an evening

Dramatically reduces production costs

Supports a small camera production

Work in conjunction with fibre at bigger grounds



Better work / life balance for staff



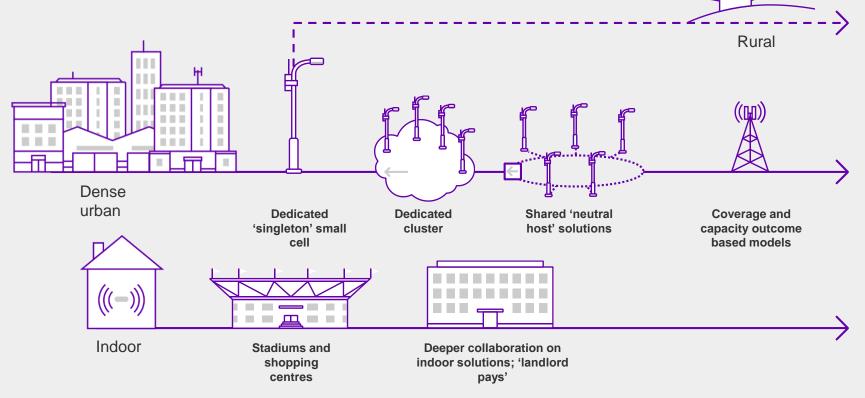
Using 5G will overcome limitations of 4G

One step closer to the future

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Evolving beyond today's models with smart cell thinking

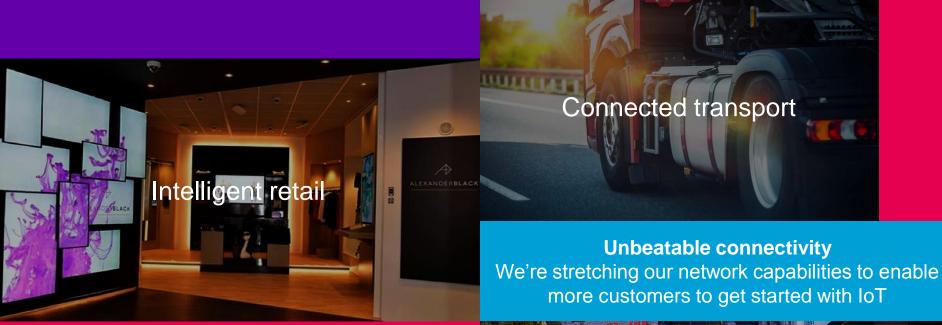
As customer demands for an 'always connected' experience grows, operators will need to improve both coverage and capacity of the networks beyond macro capabilities, requiring small cells for capacity and coverage, indoors and outdoors.





One step closer to the future - the Internet of Things

Focus industries for our IoT proposition



End-to-end security management and capability We keep solving security problems so they don't affect our customers' take-up of IoT

Intelligent supply chain



IoT - one step closer to the network of the future

- We've just connected the latest IoT device up to our EE network.
- It's called Narrowband IoT or NB1.
- Where 5G is about fast speeds and responsiveness, Narrowband IoT allows a whole new host of battery powered devices to be connected to the internet over the EE network but at lower speeds.
- The new IoT devices send very small amounts of data and are only activated when needed.





You can use the new network together with our devices and platform to support a wide range of new projects across a range of industries.

Transport and logistics - intelligent tracking of goods in transit including monitoring of stock and temperature for sensitive items such as vaccines.

Utilities - supporting the next generation of smart meters and smart utility networks helping solve issues with electricity demand and water leakage.

Tank level monitoring - from farmers grain stores to industrial gas tanks, IoT will allow proactive refilling of tanks before they run empty.

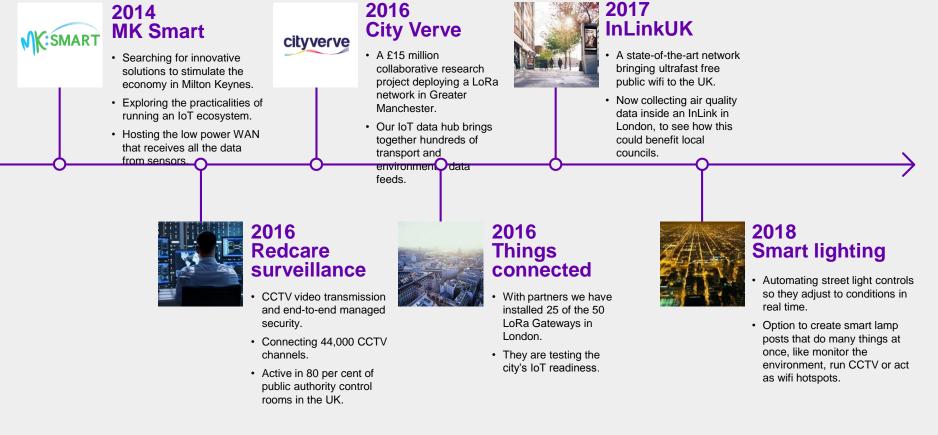
Intelligent supply chain Improving asset monitoring and driving down cost

- Helping customers track objects in regional, national and global locations is a complicated business.
- Our platform and mobile tracking devices make the job cheaper and easier for everyone.



Smarter cities Building better places to live

- We're using the latest digital technologies, data sharing, analytics and design to make smart cities a reality.
- Our solutions help cities to thrive economically, socially and become more sustainable.



In conclusion



BT is investing £6bn over three years to expand our high-speed network footprint

We all share a common goal - towards a full fibre and 5G future - it's both a challenge and an opportunity	We're taking the lead as the migration to full fibre and all IP continues to disrupt traditional models	BT is on a journey to realise our strategy to improve connectivity
As a BT Wholesale partner, Spitfire leverages BT's innovation and network investment	Being part of the Spitfire community makes it easier for you to develop better service offerings for your customers	Together we can all use the power of communications to make a better world