

# Driving network and service differentiation

Project Spring is our two-year, £19 billion investment programme designed to place Vodafone at the forefront of growth in mobile data and the increasing trend towards the convergence of fixed and mobile services. We are now just over one year through the programme and are making great progress.

## Progress so far

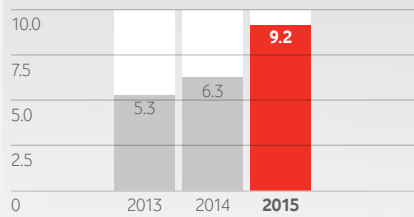
In Europe, we have increased 4G coverage to 72% and aim to get this to over 90% by next year. We have further modernised our network to improve voice and data quality, with 83% of our radio sites connected with high capacity backhaul and 81% with Single Radio Access Network ('RAN') technology. All this means a significantly improved experience for our customers, including more reliable connections, faster data speeds, greater coverage and fewer dropped calls.

We now reach 28 million homes with our owned cable and fibre infrastructure as a result of acquisitions and fibre builds in Italy, Spain and Portugal.

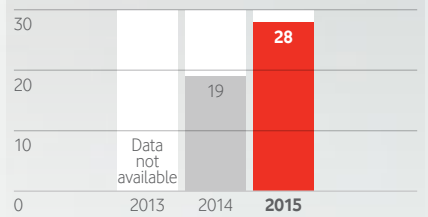
In our Africa, Middle East and Asia Pacific (AMAP) region, we have increased 3G and 4G coverage (excluding India) to 82% and aim to grow this further next year. In India we now cover 90% of the population in targeted urban areas with 3G and aim to increase this to 95% by next year.

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**Total capital expenditure** £ billion

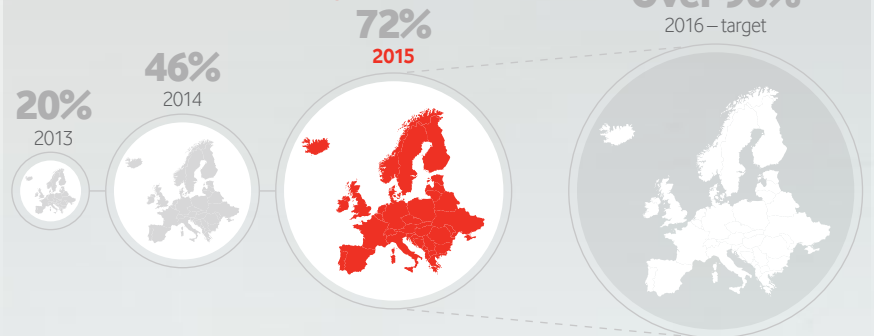


**European households passed with owned cable/fibre<sup>1</sup>** million



Total build since September 2013 <sup>2</sup>	March 2014	March 2015	March 2016 target
New 2G sites	7,000	<b>33,000</b>	47,000
New 3G sites	13,000	<b>42,000</b>	73,000
New 4G sites	7,000	<b>35,000</b>	77,000
New single RAN installations	20,000	<b>73,000</b>	106,000
New high capacity backhaul sites	17,000	<b>63,000</b>	87,000

**European 4G population coverage**

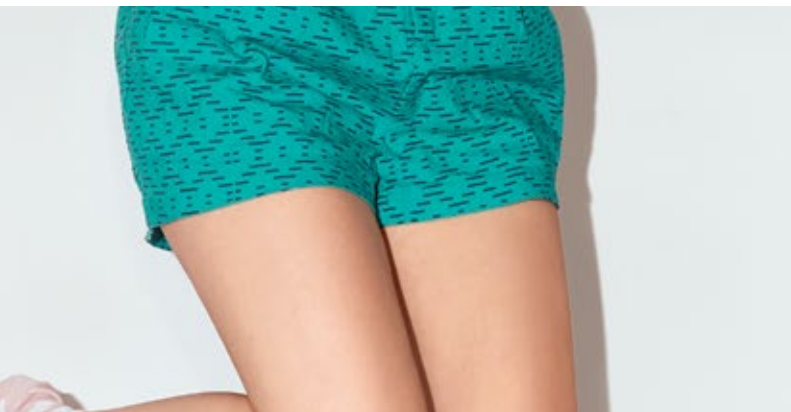


**88%**

88% of data sessions in Europe are now delivered at the speeds required to enjoy a high definition video experience



Note:  
 1 Next-generation network ('NGN') technology, which includes fibre-to-the-home, cable and very-high-bit-rate digital subscriber lines from the cabinet or central office.  
 2 Data shown to the nearest thousand.



### Consumer Europe

# 72%

**4G population coverage**, increased from 32% in September 2013 and is expected to increase to over 90% by March 2016

# 0.6%

**Dropped call rate**, improved from 0.9% in September 2013



More on **Consumer Europe:**  
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### Unified Communications

# 28m

**Homes reached** in Europe with high-speed internet from our owned infrastructure

# 5m

We have over five million **next-generation network ('NGN') broadband customers**



More on **Unified Communications:**  
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### Consumer Emerging Markets

# 90%

**3G coverage** in India (targeted urban areas), expected to increase to 95% by March 2016

# 82%

**3G/4G coverage** across AMAP (excluding India), increasing to 84% by March 2016



More on **Consumer Emerging Markets:**  
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### Enterprise

# 62

Countries where we offer **IP-VPN** services

# 27

Countries where we offer **M2M** services



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