

Experience
with IPv6 for
Business
Customers



Exponential-e Commercial Snapshot

- Exponential-e is a privately owned British company.
- Founded in 2002, It is financially robust, fast growing - and the cornerstones of its business success are founded on innovation, agility, dynamism and customer service excellence.
- Exponential-e is a leading, trusted provider of Ethernet, private Cloud and ICT services - all seamlessly integrated into its state of the art VPLS enabled high capacity network.
- Exponential-e offers a globally unique Cloud-Network solution for Enterprise customers. Its Cloud solutions are built on the customers' LAN, on the clean side of the firewall . . . this negates issues of privacy and data security.
- Business growth has been delivered through innovation & technology firsts.
- It wholly owns its super-fast 100 GigE Layer 2 VPLS UK wide Network.
- Delivers multiple services down 1 pipe - Multi-tenancy.
- Has been awarded five ISO accreditations as well as the Cloud Security Alliance STAR.
- Trusted by 1,700 customers, boasts 96% customer reference-ability.



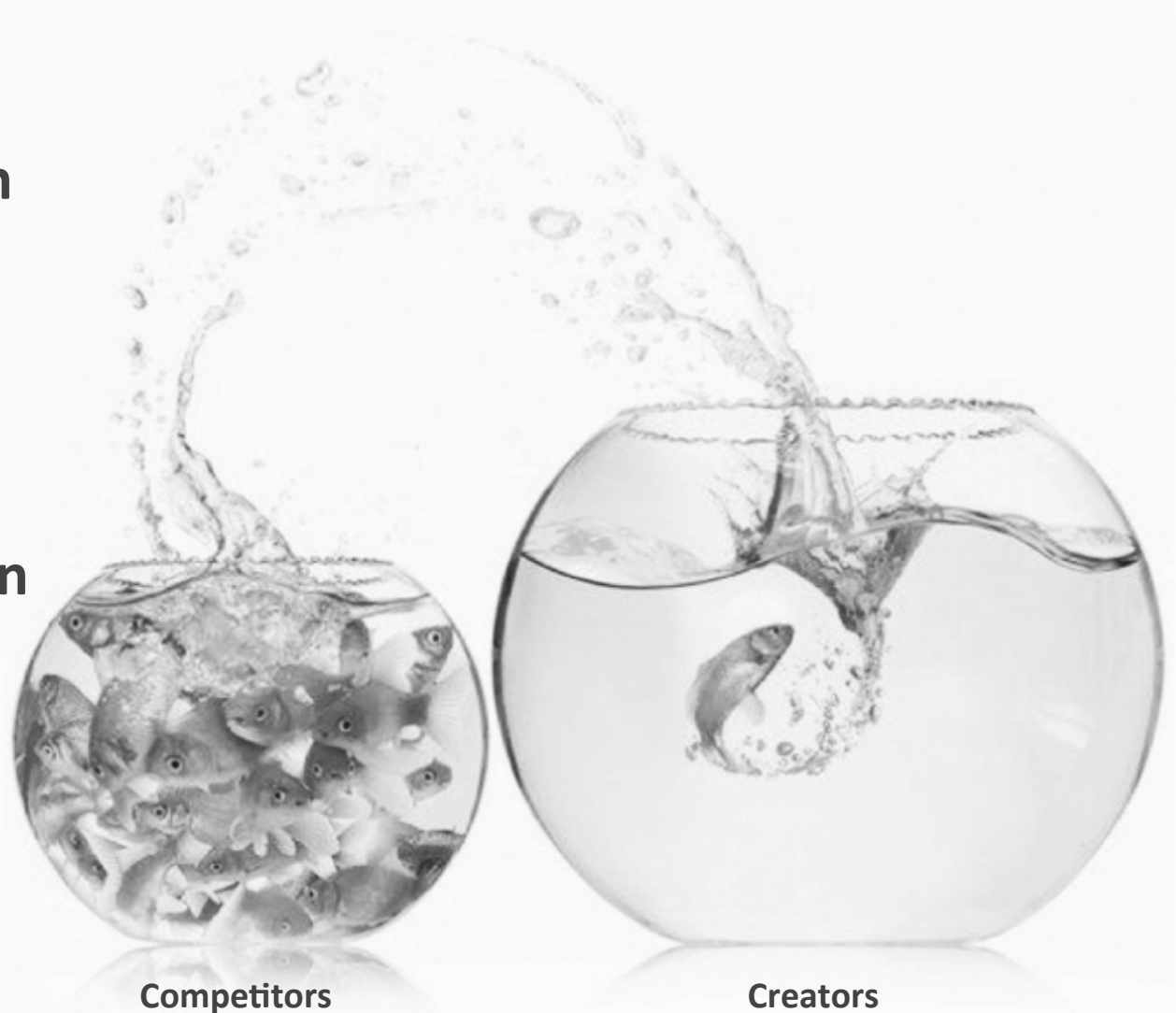
Our Beliefs

Applied Innovation

Delivering the benefits of technological innovation to market.

Dynamic Disruption

Changing the battlefield & basis of competition.



13 successful years of technical innovation



2002

Internet over Ethernet

2004



Intelligent Internet Routing Algorithm



2010

Web-based Bandwidth
Management is launched

2008



Launch of Smart Internet
Business Internet Service



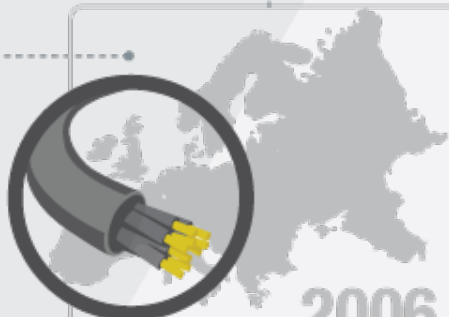
2011

North America watches the Royal Wedding
using Exponential-e Technology



2014

CloudNet and
Desktop-as-a-Service
(DaaS) launched



2006

Launch of Europe's first VPLS Network



2012

Core Network upgrade to 100GigE
Investments in Cloud and datacentres



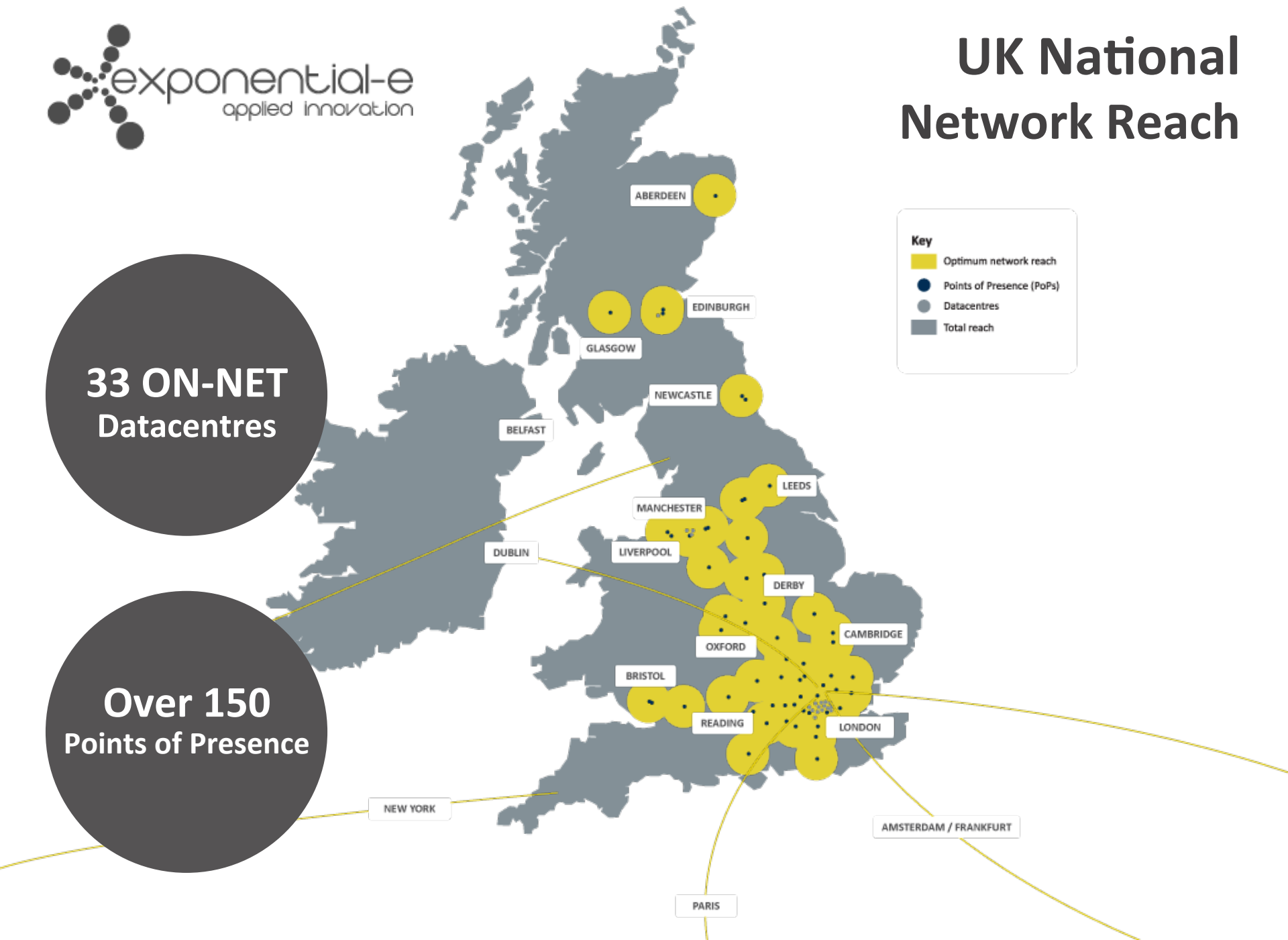
Launch of own private Cloud & Datacentre

2013

UK National Network Reach

**33 ON-NET
Datacentres**

**Over 150
Points of Presence**



Exponential-e Portfolio



Network Services

- Smart Internet
- CloudNet
- Smart WAN
- Amazon Direct Connect
- Bandwidth Management
- Insight
- Voice Connect
- DC Connect
- Cloud Connect



Security Services

- Dedicated FW
- Centralised FW
- SSL VPN



Cloud & IT Services

- Online Backup
- Server Replication
- Virtual Datacentre (VDC)
- Desktop as a Service (DaaS)
- Colocation
- Shared Colocation



Unified Communications

- Unified Communications
- Hosted PBX
- SIP Trunking
- Audio Conferencing
- PSTN Lines



Professional Services

- Flex Managed Services
- Flex Support Services
- Professional Services



Promotions Services

- BDUK Connection Voucher



Exponential-e - Our accreditations



BROADCAST & MEDIA



FINANCE



LEISURE & HOSPITALITY



PROFESSIONAL SERVICES



PUBLIC SECTOR & HOUSING



THIRD SECTOR & RETAIL



IPv6



Way back in 2011

- The Target – Readiness for “World IPv6 Day”
- 4-star RIPEness
- Core Network ready
- Corporate network IPv6 ready
- DNS, NTP mail relays etc

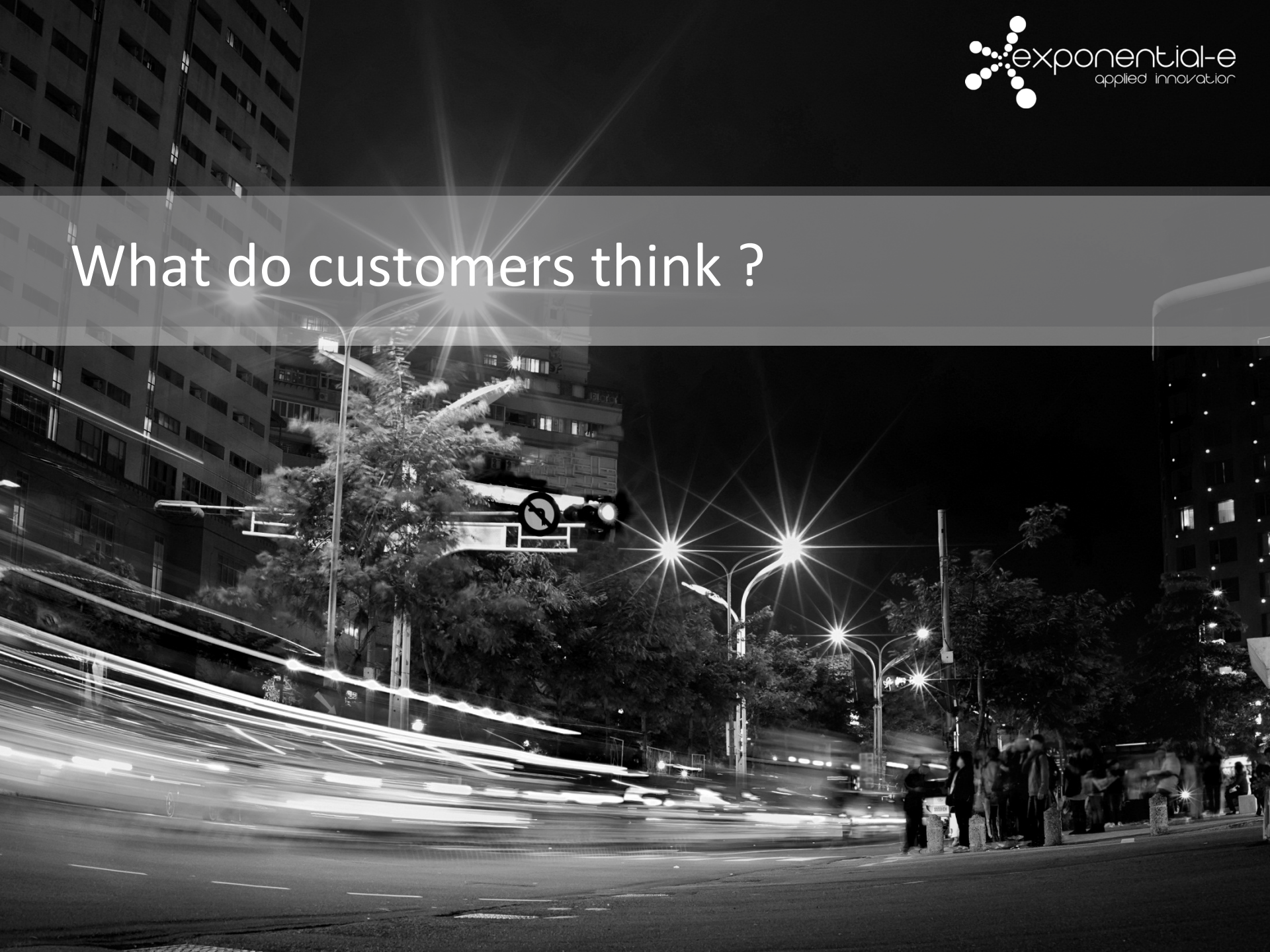


2012

- “World IPv6 Launch Day”
- All Ethernet services delivered as dual stack by default



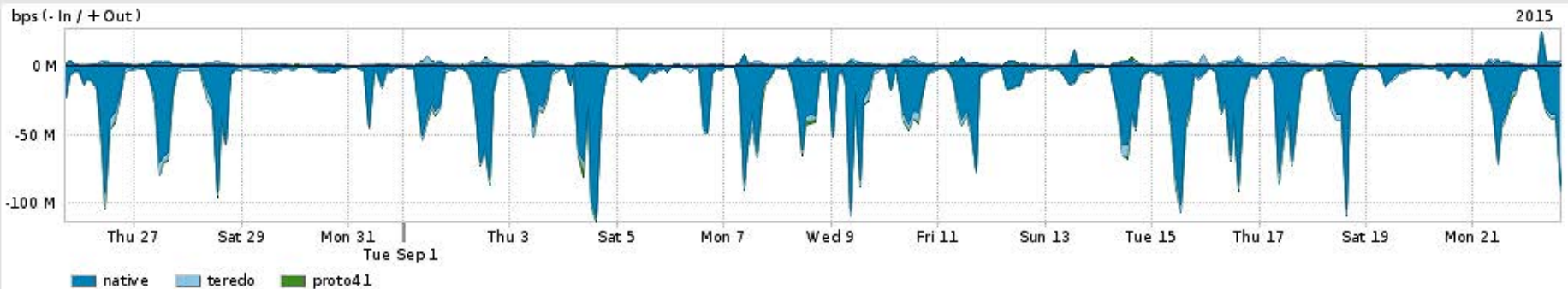
What do customers think ?



RFP's

- Suppliers should confirm that their network supports IPv6.
- Please confirm that your proposed solution does not inhibit us from migrating to IPv6 during the contract term
- Please state any implications we may need to consider with regard to your proposed solution if we migrate to IPv6
- Please confirm there will be no detrimental impact on us if your solution is upgraded to IPv6
- If we were to require an all IPv6 environment, from what date could you support this?

So who is using it ?



Current IPv6 traffic:

91.5 Mbps

IPv6 share of all network traffic:



0.242%

Maximum:

135.6 Mbps

Average traffic:

19.7 Mbps











95th Percentile:

74.7 Mbps

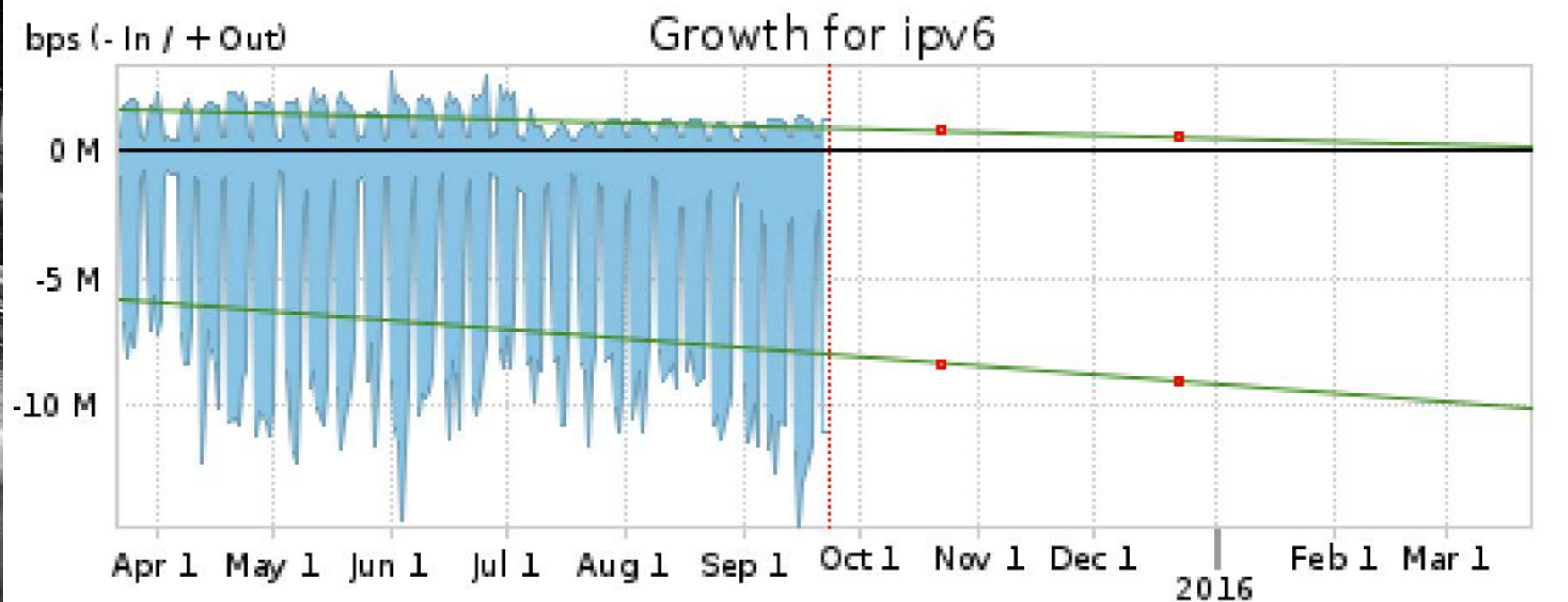
Number of Customers Using IPv6: **51**

Number of Peers Using IPv6: **158**

Where is it going ?

<u>Name</u>	<u>IPv6 In</u>	<u>IPv6 Out</u>	<u>% of All IPv6</u> ▼
<input checked="" type="checkbox"/>  GOOGLE	4.22 Mbps	70.18 Kbps	45.56%
<input checked="" type="checkbox"/>  Level3	504.18 Kbps	228.76 Kbps	7.79%
<input checked="" type="checkbox"/>  Telia	638.09 Kbps	32.93 Kbps	7.13%
<input checked="" type="checkbox"/>  FACEBOOK	480.92 Kbps	39.33 Kbps	5.53%
<input checked="" type="checkbox"/>  BT-GB	359.74 Kbps	29.49 Kbps	4.13%
<input checked="" type="checkbox"/>  HURRICANE ELECTRIC	286.72 Kbps	95.23 Kbps	4.06%
<input checked="" type="checkbox"/>  AKAMAI	339.17 Kbps	31.30 Kbps	3.94%
<input checked="" type="checkbox"/>  NTLI	285.83 Kbps	1.54 Kbps	3.05%
<input checked="" type="checkbox"/>  MICROSOFT	172.00 Kbps	97.71 Kbps	2.86%
<input checked="" type="checkbox"/>  Netflix	215.28 Kbps	356.00 bps	2.29%

But there is good news.....



Thank you

