



Fiber to the Premises

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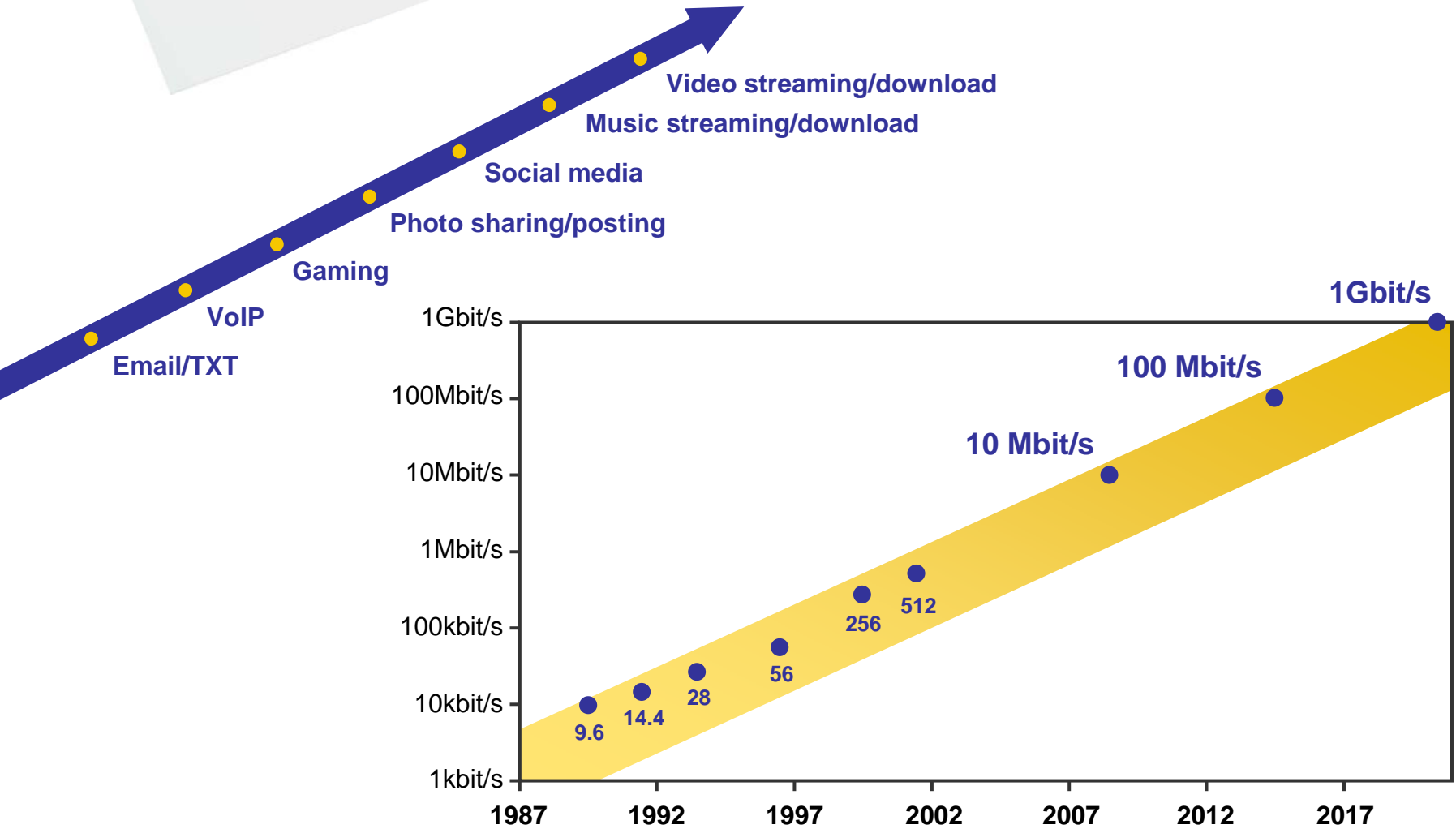
Why fiber?

Why fiber-to-the-premises (FTTP)?

VZ FTTP deployment

Future of fiber

Bandwidth Demand

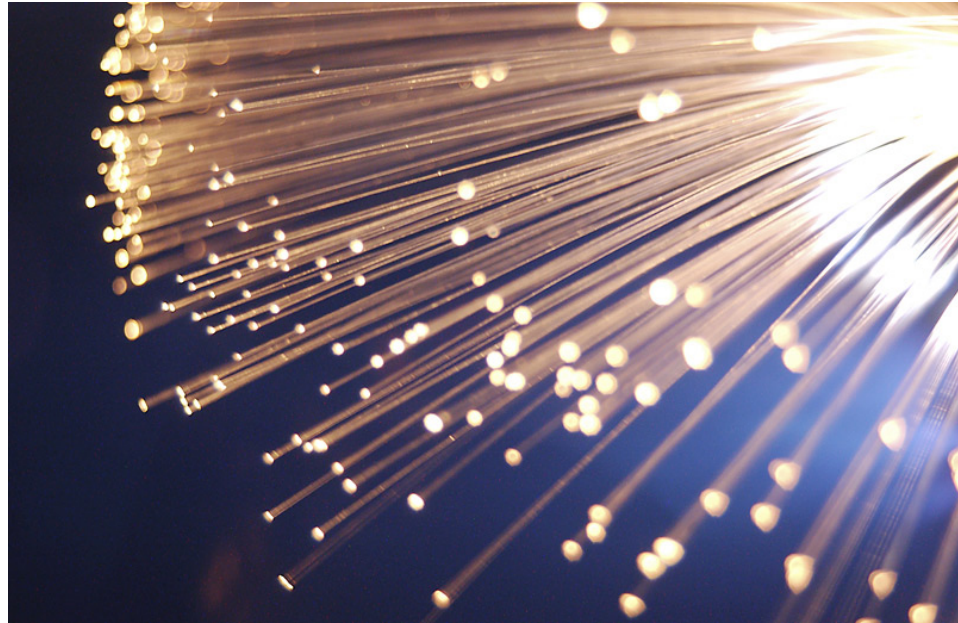


Source: Infonetics and Alcatel-Lucent

Why Fiber?

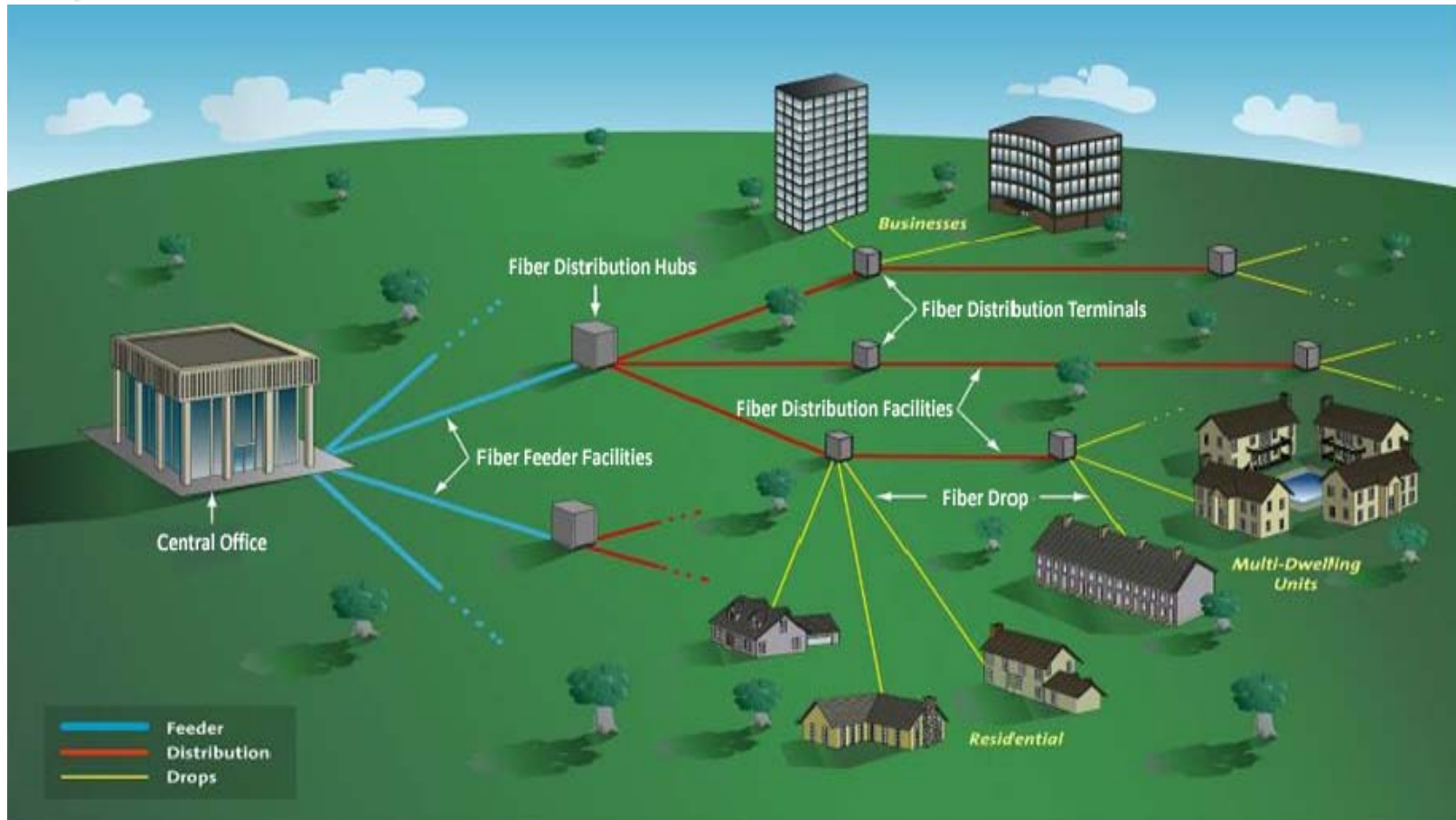


- **Bandwidth – with headroom**
 - Today (50/20 Mbps)
 - Future (00s/00s Mbps)
- **Leading competitive solution**
 - Quality
 - Reliability
- **Cost effective solution**
- **Lower operating cost than copper**
 - More immune to weather
 - Less active equipment
 - Cost curve improving
- **Not enough wireless spectrum**

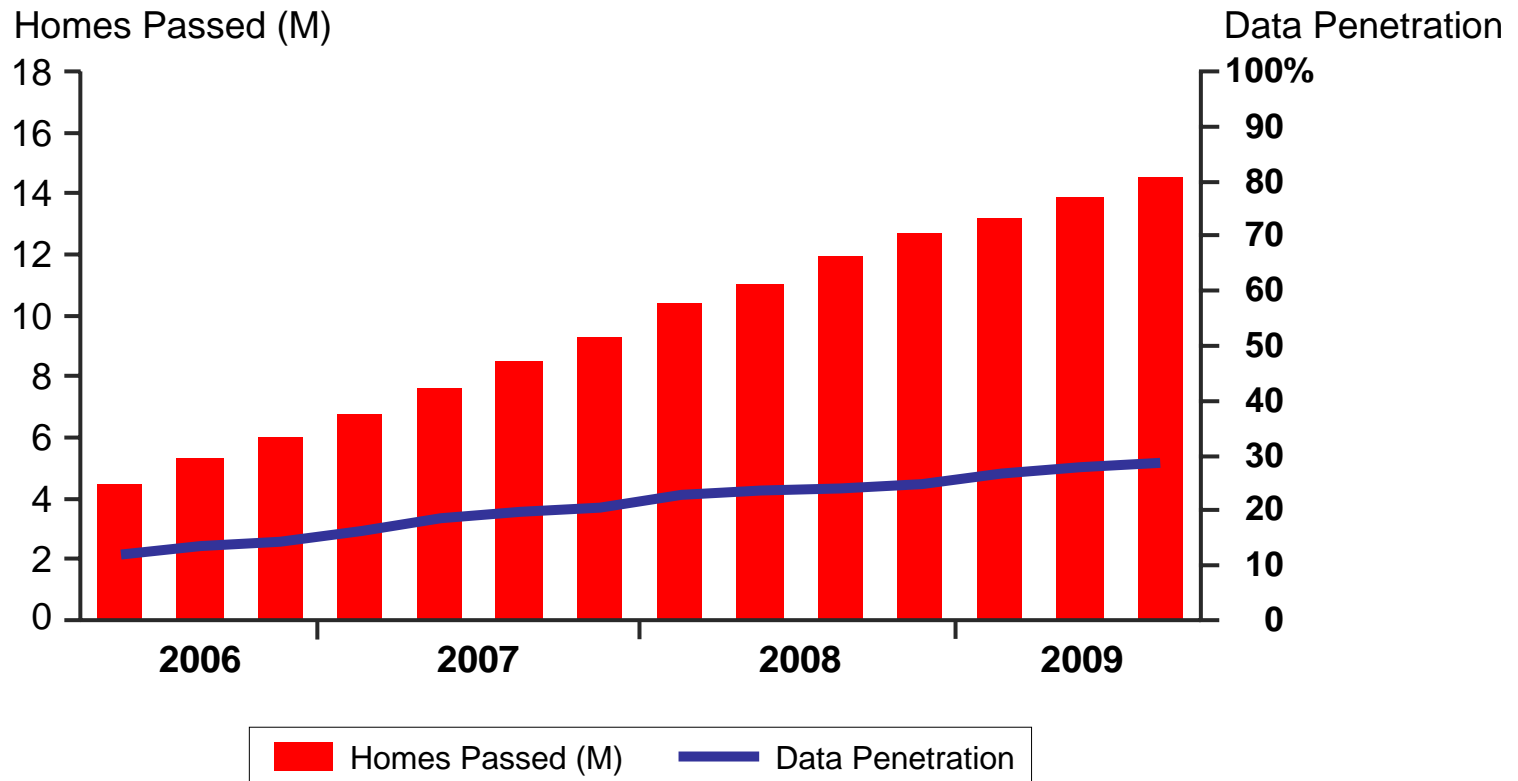


Fiber Solutions Enhance Capabilities and Efficiencies

Fiber to the Premises Architecture



VZ FTTP Program Status



Future of Fiber



- **Build costs declining**

- Innovations
- Scale

- **Operating costs declining**

- Y/Y
- vs. copper

- **Profitable field of use increasing**

- MDUs
- Less dense areas

- **Performance improvements**

- Speeds
- Symmetry up/down

- **Only technologies not bounding demand**



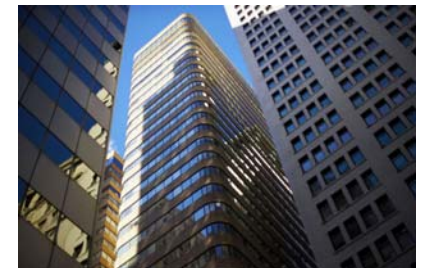
Ultra High Definition TV



HD Video Teleconferencing



Smart Grid



Business Ethernet



Home Health Services

The Verizon logo is centered on a black background. It features a red checkmark symbol above the word "verizon". The word "verizon" is written in a bold, italicized, lowercase sans-serif font. The letter "z" is highlighted in red, while the remaining letters are white.

verizon