# CANTO 34th Annual General Meeting





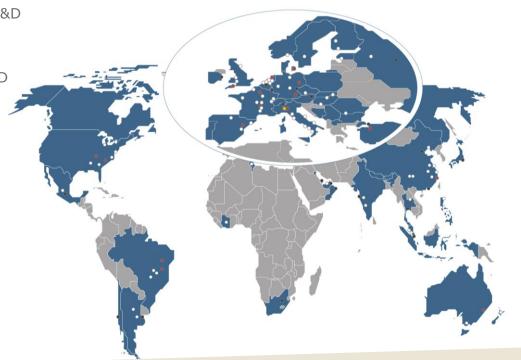


# **Prysmian Snapshot**

HQ + HQ R&D

Plant

Plant + R&D



### Vision

in the effective, efficient and sustainable supply in the development



### Mission

The Prysmian Group provides its customers worldwide with superior cable solutions based on pioneering technology and consistent excellence in execution, ultimately delivering sustainable growth and profit.



### Values

#### Excellence

Every day we relentlessly pursue excellence in all we do

#### Understanding

We listen closely to our customers to really understand their needs

Integrity We uphold the highest standards of integrity in our actions



**140** years of history









**21,000 € 7,6** billion sales in 2016

# **Telecom Business**

### **FIBRE**



A wide range of **optical** fibres designed and made to cater to the broadest. possible spectrum of customer applications, including single-mode, multimode and specialty fibres.

The Group also has at its disposal every currently available **technology** for the manufacture of optical fibre, allowing it to achieve optimal solutions for different applications.

### **TELECOM SOLUTIONS**



Solutions and connectivity products used for telecommunication. networks.

Wide range of STANDARD optical cables (from 1 to 1,700 fibres) or designed for challenging environments. Passive connectivity solutions to ensure efficient management of optical fibre within networks. Copper cables for underground and overhead cabling solutions.

### **MULTIMEDIA SOLUTIONS**



Cablecommunication needs in **infrastructure**, industry and transport, for a diverse range of applications: cables for solutions serving television and film studios, cables for rail networks, light-signalling cables and cables for track switching devices, as well as cables for mobile telecommunications antennae and for communication networks.



# **Digital Service Revolution is under way**

### Connected people

(WW population of 7,4bln): from 9bln up to 10,5bln in 2021



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Connected machines (IoT will surpass mobile phones as largest category in 2018): from 4,6bln up to 15,7bln in 2021



Video streaming vs broadcasting (killer application for bandwidth): crossover in 2015



# 2017 What happens in an INTERNET MINUTE



# Hyper connectivity

(connected anytime-anywhereany-device)

### Increase of **new services and apps** (Virtual Reality,

connected/driverless cars, etc.) that will require more bandwidth and lower latency

# New video technologies

like 4k UHD and future 8K that requires more bandwidth (25Mbps)



Increase of screen devices per home: from 6,5 up to 20 in 2020

# **Digitalization of our life**

Change of habits of personal and business communication (social media, apps, digitalization of everything): BB creates dependence

Cloud of
Things "we're
moving to the
point where we
will have a
parallel digital
world that
mirrors the
analogue world"
(world of
avatars)

Smart Cities Smart homes Smart factories (Industry 4.0)



Digitalization of our life: towards the Digital Society, Network Society, Gigabit Society

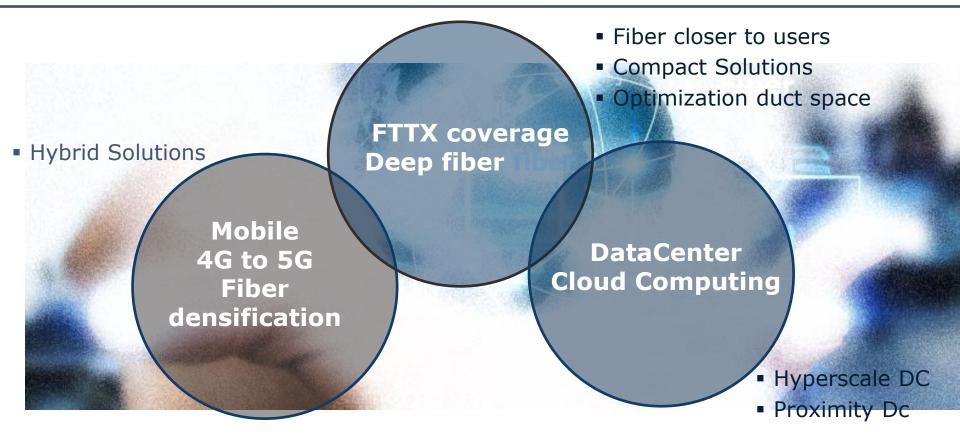
Millennials

Millennials &
Generation Z to drive
demand for more fibre as
a direct result of their
lifestyles and spending
trends (multitasking –
multiscreen)

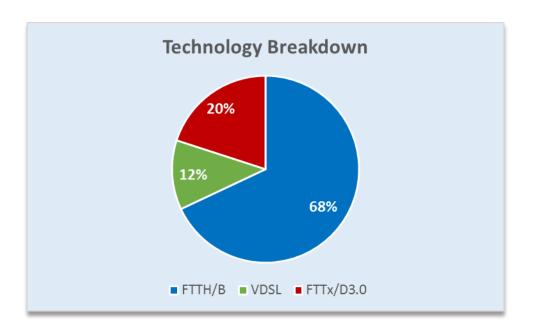
Voice is dead:
Long life to the
Data. Towards a
totally
asynchronous
communication

Hungriness for data: data traffic will grow 10 folds till 2021

# **Global Telecom Trends**

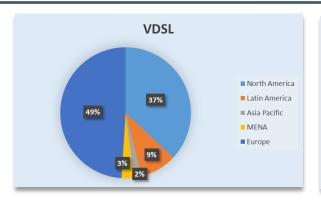


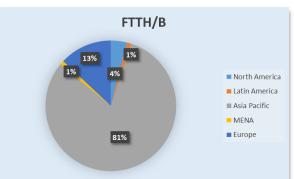
# **Breakdown of Broadband technologies**

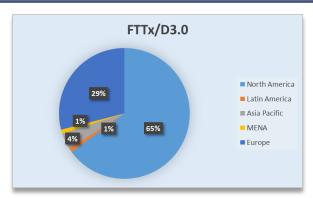


- > **585.9 million** FTTx subscribers Worldwide June 2017
- > FTTH/B is the leading broadband solution, far ahead of FTTx/D3.0,followed by VDSL
- > FTTH/B represented 68% of FTTx subscriptions.
- > FTTx/D3.0 represented 20% of FTTx subscriptions
- > VDSL lags behind (12%) but growth continues

# **Breakdown of Broadband technologies**



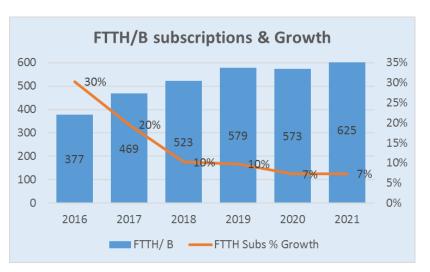




# **Regional differences**

- ➤ APAC: predominance of FTTH/B.
- >FTTH/B is also the most widely deployed technology in MENA and LATAM but competition from VDSL technologies is growing in the region (especially Brazil).
- >FTTx/D3.0 is still dominant in North America and is by and large growing more rapidly than other technologies.
- ➤ There is considerable room for VDSL(and other copper based technologies such as G.Fast) to grow in Europe where incumbents are still working to optimize their copper networks.

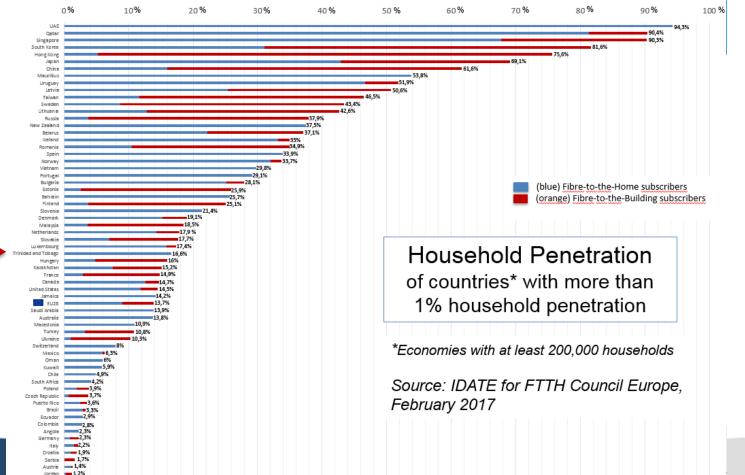
# **Breakdown of Broadband technologies**





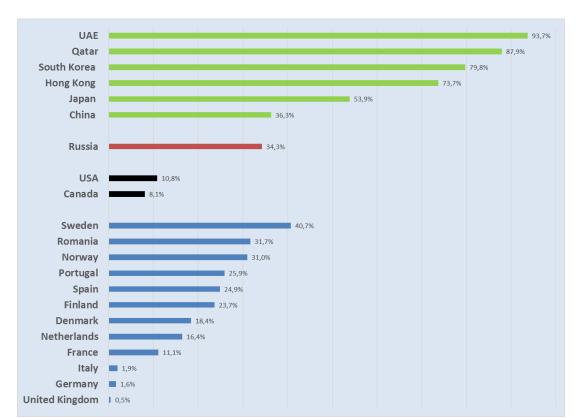
➤ Growth of FTTH/B subscriptions will continue until 2021, albeit not at the same pace year on year, and will naturally decrease as the markets mature.

# FTTH/B Global Ranking – Sep 2017



ireland =1.1%

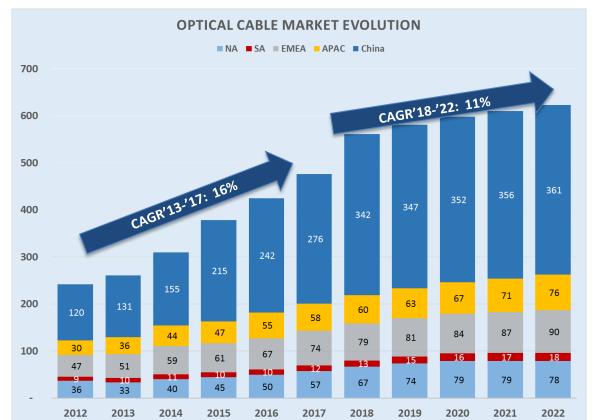
# FTTH/ B Penetration by country



Fiber will be essential for 5G as it is desirable for backhauling of small cells.

Therefore, those countries where FTTH is quite advanced will be in a better position to deploy 5G.

# **Optical Cable market Evolution**



# **Compound annual** growth rate '18-'22

**EMEA** 4% (10%) 4% (15%) NA 7% (4%) SA APAC 6% (12%) 1% (20%) China

- Global optical cable deployment has reached 561 million in 2018 (11% y-o-y)
- > 58 % global demand from China

Source: CRU International December 2017

## **Conclusions**

**Network transformation** 

**CAPEX** 

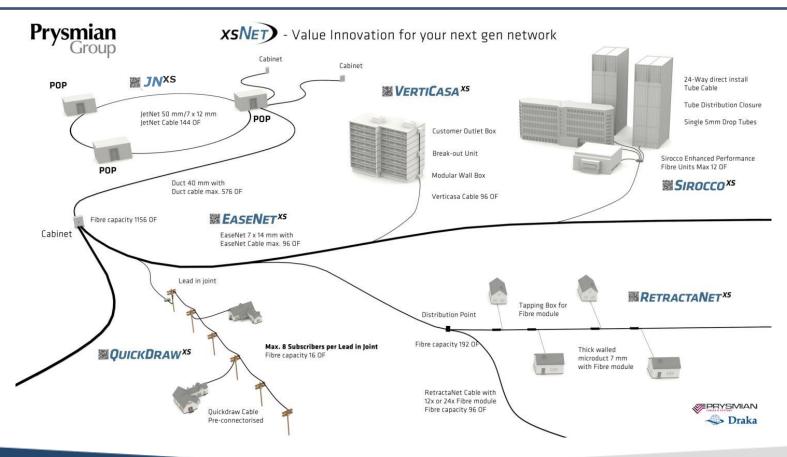
Digital Agenda 2025 3

Fiber/Cable manufacturers: TCO

**Digital Revolution** 



### **Solutions**



# **Complete Solution Portfolio**

