

Tessares: company profile

Software company based in Louvain-la-Neuve in Belgium

History







70th spin-off of UCL



Coming from academic research

Activities

Company that develops and commercialises software to improve Internet performances & experience for consumer & enterprise markets



Multipath TCP (MPTCP) Worldwide Experts



Ongoing research & standardization











2 awards

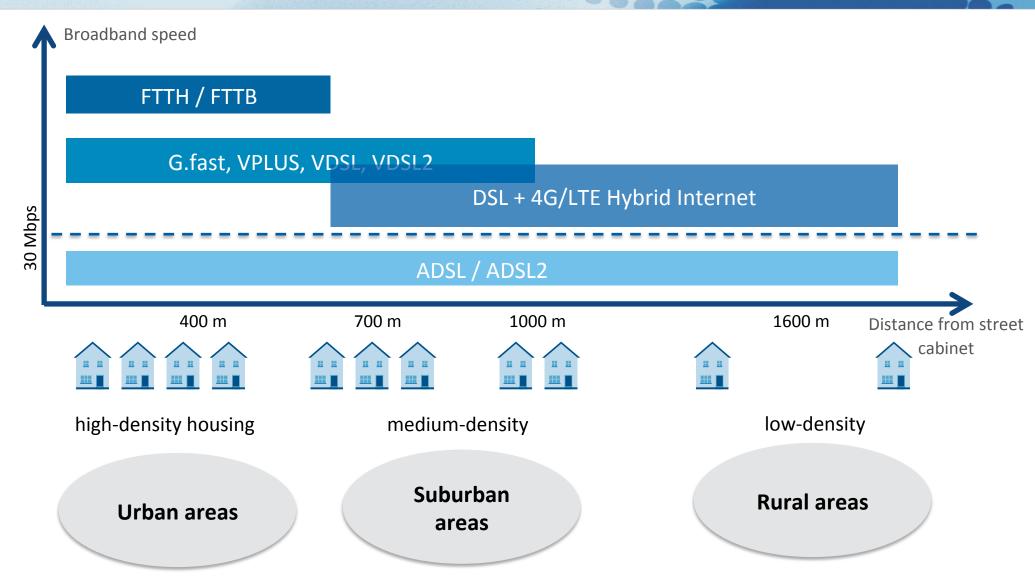
5 customers (Numerous PoC)

Publication by GSMA

« Hybrid broadband offers fibre alternative for rural Europe »

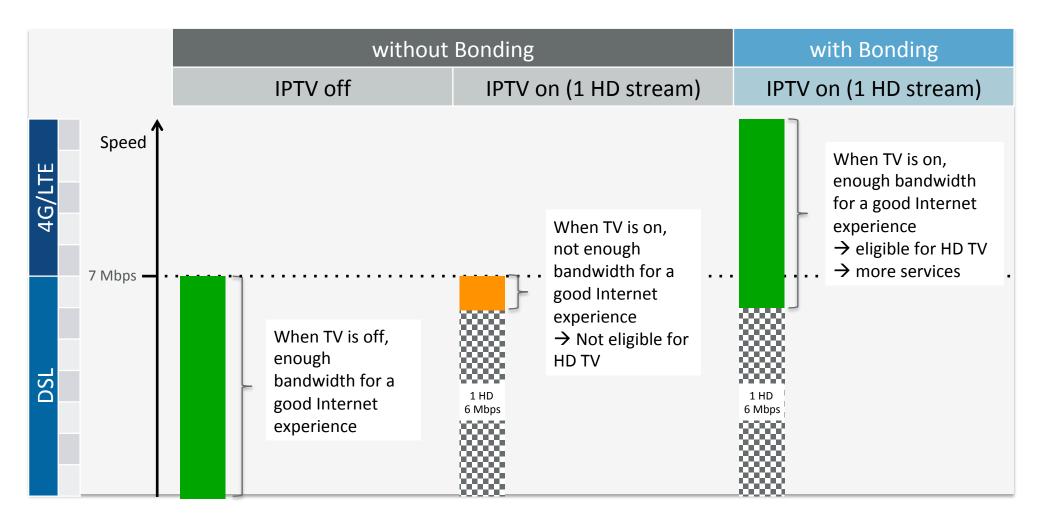
Complementary technologies

FTTH in rural areas: no business case



Example: 7 Mbps DSL line

More internet speed thanks to Hybrid Internet Bonding

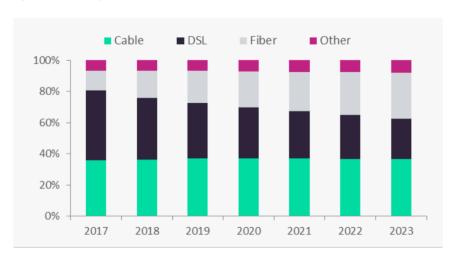


DSL to remain a major access - Continuous growth of 4G

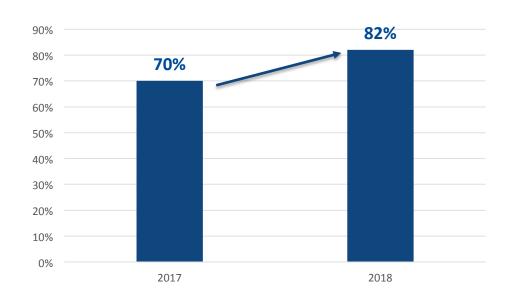
In 2023: DSL=20% => ~37m HH

Broadband access in Latam

Broadband lines by technology, 2017-2023 (percentage of broadband lines)



4G coverage in Latam



Source : https://tech.newstatesman.com/business/latin-america-broadband

Source: https://www.idgconnect.com/idgconnect/opinion/1020747/look-mobile-ecosystem-latin-america https://www.businesswire.com/news/home/20181204005077/en/4G-Dominant-Mobile-Technology-Latin-America-Year



Broadband Metrics – 2018 Brazil Market

#1 BB access in Latin America with huge potential

Fixed broadband penetration

Download speed challenge

Low FTTH penetration



Around 30 Million homes have a fixed BB access

15 Mbps

75% of fixed BB access offers less than 15 Mbps

FTTH home passed: 15% FTTH subscriptions: <3%

IDATE CONSULTING EXPERTISE

Average download speed: 3 Mpbs

Q2 2018: 43% penetration

Source: Wikipedia, Brazil Broadband Market, Idate LATAM presentation April 2018, Telecom paper, cable.co.uk



Broadband Metrics - 2018 Chilean Market

Digital Leader in Latin America

Fixed broadband penetration

Download speed challenge

Low FTTH penetration



Around 50% penetration



85% of fixed access offers less than 15 Mbps



Average download speed: 5 Mpbs

FTTH home passed: 15% FTTH subscriptions: 6.5%

Source: Telegeography, Euromonitor, trading economics, Akamai p25 Q1 2017, FTTH Panorama LATAM IDATE, IDATE FTTH ranking, OECD, cable.co.uk

Broadband Metrics – 2018 Colombian Market

Huge potential in Colombia

DSL penetration

Download speed challenge

Moderate FTTH penetration



Around ~2 Million homes have a DSL access



40% of FBB users have less than 10 Mbps



Around 840k HH have a fiber connections

DSL is 28% of FBB connections

Average download speed: 3 Mpbs

Fiber is 12% of FBB connections

Source: Regulator, Broadband speed checker, el tiempo, cable.co.uk

More value from existing assets

Grow revenue while minimising CAPEX investments

Hybrid Internet benefits



Faster Internet services



HD stream eligibility **ARPU** increase



Business impacts

Higher customer satisfaction Less churn



Asset utilisation "Sweat the assets"



Reuse of existing networks Improved asset ROI



Reuse of existing CPEs Reduced TCO



Shorter deployment (~6 months)



Faster TTM

Quicker revenue generation

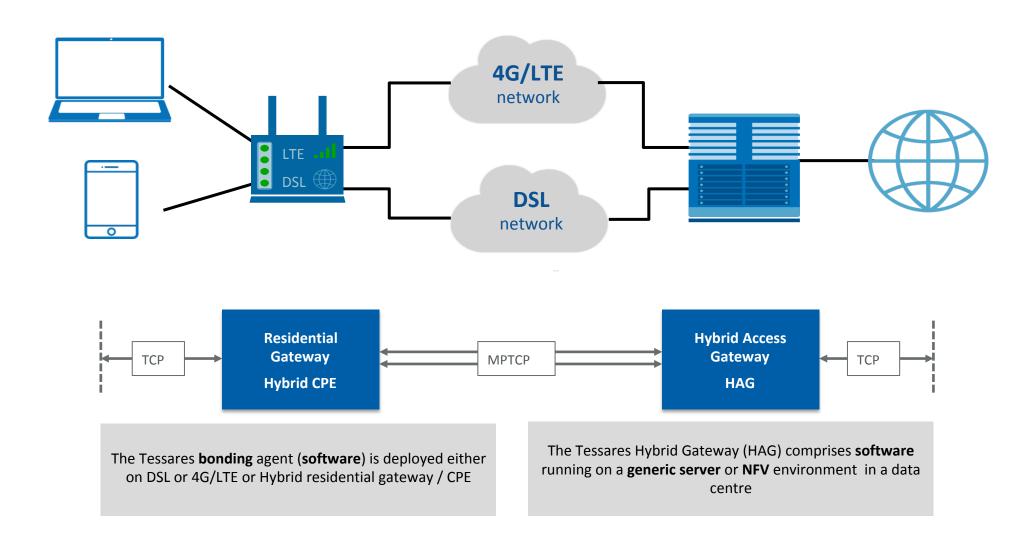


Fast provisioning thanks DSL & 4G existing networks Quicker UBB uptake



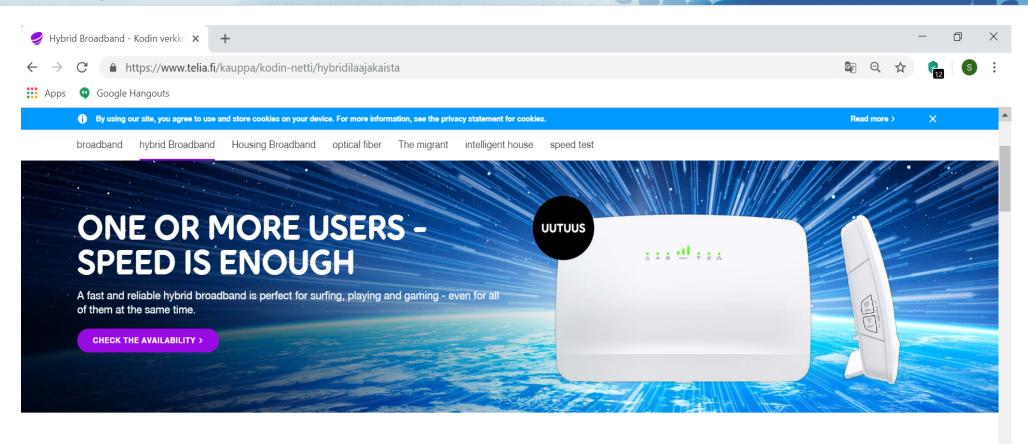
Tessares: Hybrid Access solution overview

Software to be deployed in end-user device & in carrier side



Telia Finland (1/2)

More speed for households unable to connect to fibre networks



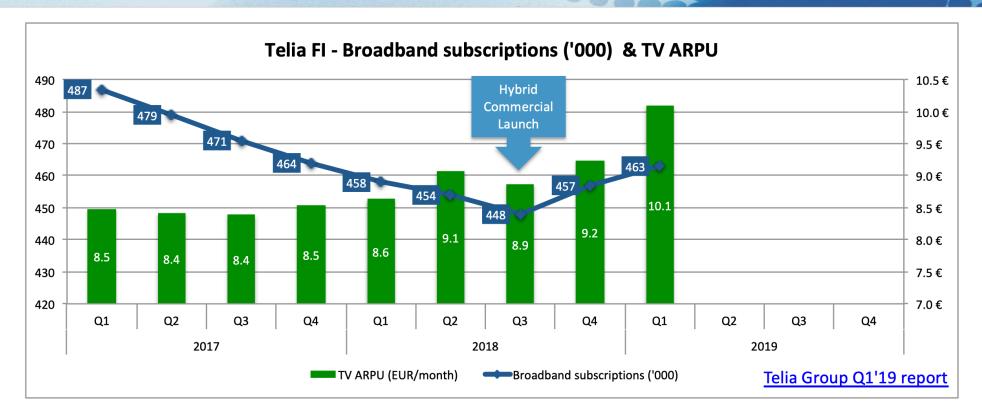
WHAT IS A HYBRID?

Hybrid Broadband is a new home connection that connects fixed broadband and mobile connectivity to a single stable and fast broadband. The new hybrid innovation enhances connections in many locations throughout Finland and allows for the best viewing experience for the Liiga season, for example.

Source: Telia Finland – website – translated in English

Telia Finland (2/2)

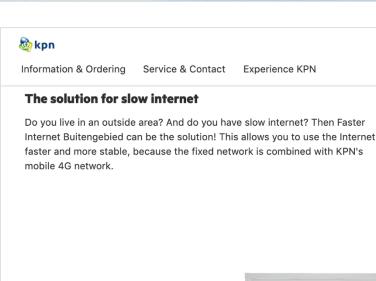
Launched at Telia in calendar Q3 2018



Telia's objectives w/ hybrid	Achievement
Stop the decline in fixed BB subscriptions (blue line)	Q1'19 vs Q3'18: +15k (+3%)
Boost sales of valuable TV content (green columns) by increasing the subscriber eligibility footprint	Q1'19 vs Q3'18: +1€ (+10%)

KPN (1/2)

Speed boost of slow copper lines





Mykpn

Zoeken...



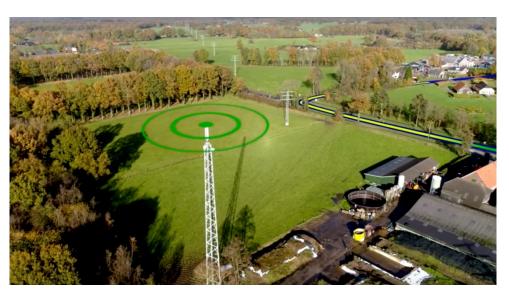
- ✓ At home simultaneously worry-free Facebook, Netflix, and music streaming
- ✓ Up to 30 Mbit / s extra than your current speed
- ✓ You get an extra 4G modem for free that you place at the window
- ✓ In combination with the latest Internet subscriptions from KPN



Source: KPN website - Translated in English

KPN (2/2)

Testimonial video



Learn how fast Internet services are delivered by KPN with our solution (available in spanish)

Recent press release

KPN expands hybrid DSL/4G to 440,000 premises

8 May 2019

Netherlands

The Netherlands' KPN has announced that its hybrid DSL/4G fixed internet speed boosting technology is now available to 440,000 residential addresses in outlying areas of the country where existing xDSL-only download rates are limited to below 30Mbps. The 'Sneller Internet Buitengebied' ('Faster Internet Outskirts') coverage footprint reaches 'almost the entire outer area of the Netherlands', enabling download speed to be accelerated by up to 30Mbps, according to KPN's press release. Hybrid LTE/DSL technology aggregates internet bandwidth from fixed and mobile networks to increase user speeds via a single integrated customer premises device, and KPN says its customers currently receiving up-to 8Mbps xDSL downlink can upgrade this rate to 38Mbps using the hybrid service, whilst those with xDSL-only downstream peaks of 28Mbps can now enjoy maximum 58Mbps performance.

The Sneller Internet Buitengebied service has been extensively tested and expanded over the past two years, and is available as a free supplement to KPN's internet subscription range for customers with existing sub-30Mbps fixed connections. KPN currently has more than 30,000 users of the hybrid technology.

Netherlands, KPN, Broadband, LTE

Source: TeleGeography



Our activities in Latam

Quick opportunity seizing accelerated with your support

Description

Support needed from AWEX

Market analysis

- Telecom market + country analysis to size the opportunity (BR, CH, MEX, ARG & COL = targets)
- Identification of C-Level people within the telco
- Identification of key people in NRA

N/A

Marketing & PR activities

- Marketing materials in Spanish: two-pager, Youtube videos, emailing
- Identification & participation to events: Smart cities
- Connect with the tech journalists in Latam

- Identification of key telco events
- Support for futurecom (20-31 Oct. 19 Brazil)
- Contact with more local tech journalists

Business Development

- 1 Explort intern in Argentina (till 22nd of June)
- 1 Latam business dev partner onboard
- Commercial discussions ongoing with America Movil
- Several first discussions with some operators

- Other Explort resource
- Contact with local NRA
- Contact with some people in the telco operators
- List of next AWEX mission in Latam



Thank you!



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