

# Infographie : 59 millions de lignes VDSL2 en 2017

Le **VDSL2** permet de transporter les données sur une infrastructure cuivre à hauteur de 100 Mbit/s. À ce titre, il s'inscrit comme une alternative crédible aux réseaux optiques face à la demande en débit dans les zones où le déploiement de la fibre tarde.

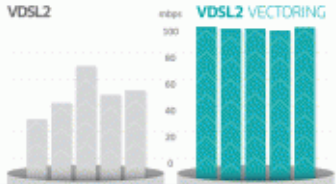
Même s'il ne s'inscrit pas comme une technologie à long terme, le VDSL2 représente un marché soutenable. Il est plus simple et quatre fois plus rapide à déployer que la fibre pour un coût divisé par trois. Et les technologies de vectorisation, [notamment développées par Alcatel-Lucent](#), améliorent la qualité de la bande passante. Illustration en image.

# GET TO FAST, FASTER

## TURBOCHARGE YOUR COPPER WITH VDSL2 VECTORING

**59**  
MILLION  
VECTORING  
LINES BY 2017  
(in advanced markets)

Two-thirds of the world's broadband depends on copper. But crosstalk limits bandwidth and creates unpredictability. Vectoring eliminates crosstalk and powers VDSL2 to fiber speeds.



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| <ul style="list-style-type: none"> <li>• Crosstalk causes heavy bandwidth losses</li> <li>• Crosstalk causes unpredictable and inconsistent bandwidth</li> <li>• Operators unable to offer highest attainable speeds</li> </ul> | <ul style="list-style-type: none"> <li>• High speeds in downstream and upstream</li> <li>• Predictable and consistent bandwidth on all lines</li> <li>• Operators able to offer genuinely high-speed service</li> </ul> |
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### CROSSTALK AFFECTS EVERYONE



### ELIMINATE CROSSTALK

Alcatel-Lucent Vectoring Processor  
Billions of anti-noise calculations per second

- Continuous crosstalk measurement on all lines
- Calculate and generate anti-noise for all lines
- Noise + anti-noise = zero noise (i.e. noise canceling headphones)

## VECTORING DELIVERS

VECTORING COMPLEMENTS FIBER DEPLOYMENTS



<p><b>100+Mbps FAST</b> broadband <small>Proven by tens of operators across 5 continents</small></p>	<p><b>4x FASTER</b> time-to-market <small>vs. new copper assets</small></p>	<p><b>1/3 FASTEST</b> return on investment <small>1/2 the cost of a new fiber roll-out</small></p>
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### ALCATEL-LUCENT KNOW HOW

- Field-proven technology: customers and trials all over the world
- Alcatel-Lucent has shipped over a million vectoring lines (June 2013)
- Motive Network Analyzer lets you find and fix problems at source, improving efficiency
- Unique in-house vectoring processor delivers speeds in excess of 100Mbps, putting our know-how in your deployment
- Zero-Touch Vectoring handles legacy CPEs automatically and provides smooth migration path

### WHAT THEY SAY ABOUT US

<p>“Alcatel-Lucent is the undisputed leader in the VDSL2 vectoring market based on the most important indicators: customer traction and port shipments.” Erik Raith Current Analysis</p>	<p>“Alcatel-Lucent separates itself from the rest of the group in sheer experience with actual deployments.” Teresa Mastrangelo Broadbandtrends</p>
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Source: BroadbandWorld, Zolter-Land, Current Analysis