



Wireless networks have never been in **GREATER** demand.

We want better signals, more bars, more speed, and we're using more of it than ever. In 2014, mobile Internet traffic surpassed fixed-line Internet usage for the first time.

And the trend toward wireless is accelerating as our devices get better, screens get bigger and the ways we use the Internet evolve.

All that wireless traffic needs spectrum—the radio frequencies over which our phones and tablets and other devices transmit and receive information. We can't make more wireless spectrum, but we can use it better. Much better.

Technical improvements and network upgrades alone will not satisfy this accelerating demand; any sustainable solution will involve expanding access to spectrum for mobile data. Otherwise, limited wireless capacity could become a major drag on U.S. and European job creation, competitiveness, innovation, community development, as well as important advances in education, health care, and Public Safety.

That's where Rivada comes in. Rivada's patented spectrum-sharing technology, Dynamic Spectrum Arbitrage, makes sure that every bit of available bandwidth on a 4G LTE network is usable, all the time.

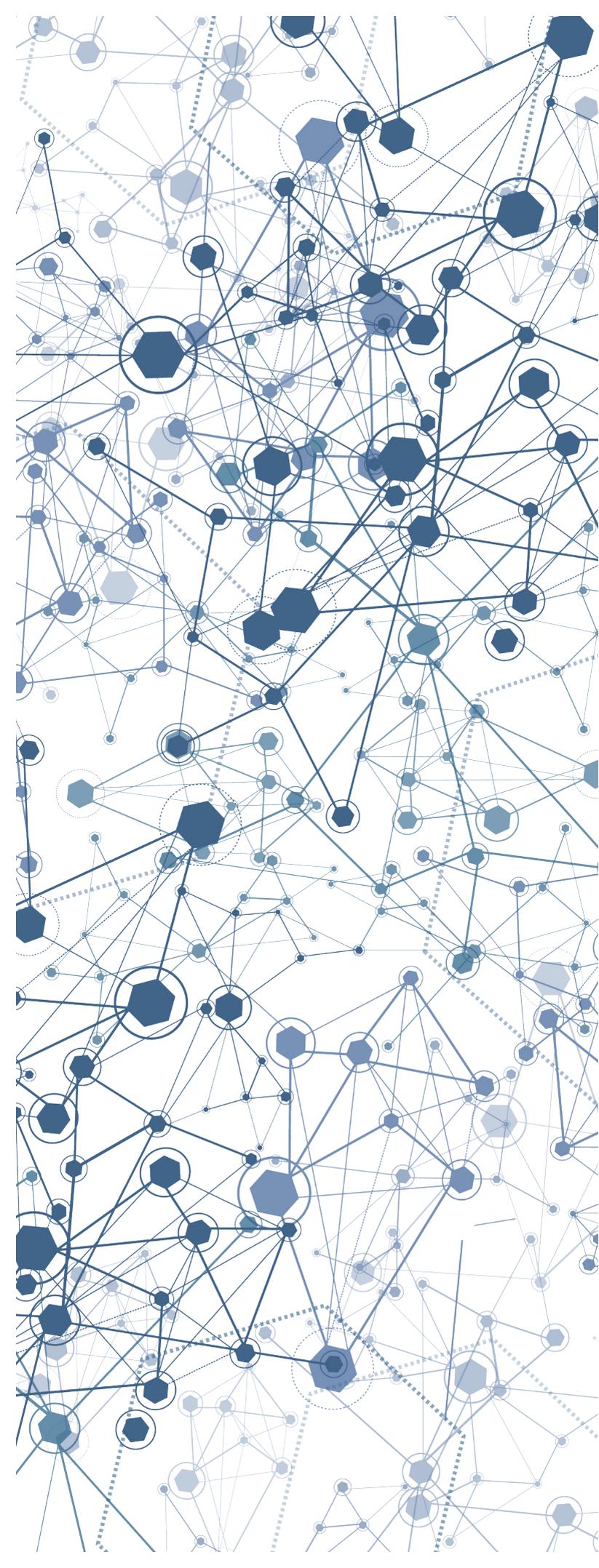
**2014**

**PC SALES WORLDWIDE**

**297m**

**SMART PHONE SALES WORLDWIDE**

**776m**



For wireless users, Dynamic Spectrum Arbitrage means faster connections, better streaming, shorter downloads.

At the same time, the wireless carriers, which control most of the spectrum we use, can use Rivada's technology to offer better service when they need extra speed and capacity, and to make money off under-used parts of their networks when they have spare capacity. Their spectrum is worth more—probably much more—as a result, and their customers get better service.

Rivada does all this by making it possible to reassign parts of the network to other carriers, or to other businesses—video streaming services, device makers, you name it. They can then buy, or sell, wireless capacity on the network when and where they want to or need to. This also means that they can buy only what they need, and only where they need it. And that in turn opens the door to non-traditional buyers of wireless capacity. With Dynamic Spectrum Arbitrage, you no longer need a spectrum license or expensive infrastructure to access spectrum. Internet content providers, device manufacturers and startups whose business models we cannot yet envision - all of them would be free to buy wireless capacity on an as-needed basis, in a competitive and open marketplace.

## **WE CAN'T MAKE MORE WIRELESS SPECTRUM, BUT WE CAN USE IT BETTER. MUCH BETTER.**

A more dynamic, flexible market is a more efficient market. That means lower prices for consumers, better service and lower barriers to entry in the wireless space. What's more, commoditizing wireless bandwidth in this way will pave the way for a comprehensive and deep financial market that will trade, invest in and speculate on the future value of bandwidth.

The ability to buy and sell wireless bandwidth continuously, in small slices of time and space, will revolutionize the wireless industry. The world needs this revolution to keep pace with the speed at which our lives are moving not just online, but to the wireless web.

**THE WORLD NEEDS RIVADA.**

For further information please visit [www.rivada.com](http://www.rivada.com)