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## Matsing Introduces the world's highest performance sector antenna

**Matsing Introduces the world's highest performance sector antenna along with its new family of ultra-wideband RF Lens antennas to prepare for future Zettabytes of wireless broadband data traffic. These sector antennas support high capacity densification in the most efficient way possible. The antennas provide key advantages such as capacity, flexibility and precise RF Control.**

Matsing ZettaBall™ RF lens antenna line will replace legacy panel antennas as capacity demands increase and densification continues in 4G, LTE networks. Matsing MetaLenz™ patented meta-material is the key to enable constructing these light-weight, yet high capacity antennas which utilizes RF Lens technology as opposed to traditional panel-array approaches to introduce a new era of high-performance high-capacity antennas.

The ZettaBall™ antennas utilize the latest in RF Lens technology to provide the highest capacity, highest performance ultra-wideband antennas. The antennas are packaged to be compatible with network wide applications, towers, buildings and utility/light poles.

The ZettaBall™ antennas provide key advantages such as:

1. **Capacity with no additional antenna sites:** The Lens enabled antennas are able to provide up to 12 individual beams with a total of 24 full band ports over the full ultra-wide band frequency range, allowing for up to a 10X capacity increase in a network without adding additional sites.
2. **Flexibility:** The ZettaBall™ antennas allow multiple beams to be combined while maintaining high performance, additional radios can be added anytime if extra capacity is required by the user.
3. **Precise RF Control:** Lens technology allow the ZettaBall™ antenna to provide the highest performance RF beams minimizing interference with other sectors while improving capacity. Each beam can be individually tilted up to 30 degrees, allowing the user to precisely control where each RF beam is aimed.

Operators will quickly learn how ZettaBall™ will provide a true 'Plug and Play' capability at any existing 4G LTE site. Providing instant triple capacity boost per site and up to a ten times network capacity increase when ZettaBall™ is deployed network wide. Matsing will offer five models up to 24 full band ports to support six 4x4 MIMO radios or twelve 2x2 MIMO radios, all with individual tilt adjustment.

### Lens Technology Enabled – the future of communications

"Our Mission is to become the world leader in Lens Technology and we strongly believe Lens Technology will be the future for communications", says **Leo Matytsine**, Executive Vice President of Matsing Inc and adds, "with future capability to transfer Zettabytes of data, we will become the new Lens based Antenna and Connectivity standard for 4G, LTE, 5G and beyond", Leo summarizes.

"I predict over the next three years our lens solutions will make its way into large venues that require additional Lens Technology Enabled (LTE) capacity. We are able to provide better solutions due to the effective, cost efficient and speedy implementation qualities ZettaBall offers", says **Tony DeMarco**, Chief Product Officer and General Manager of Base Station Antenna Business Unit.

"Having vetted the technology in the most capacity challenging environments, we are now bringing the same MetaLenz™ technology to the macro network and everybody's reach with the new ZettaBall™ Antenna-family, which will allow operators across the world to quickly and effectively upgrade their networks without adding new sites. I predict every wireless operator will adopt lens as a strategic technology due to its extraordinary ability to allow densification of existing assets" Tony DeMarco continues.

For Mobile end customers, it will bring security and connectivity even in the areas that are most densely populated, like town centres, stadiums and other big venues. With a growing reliance on cellular coverage and data speeds, this new technology can quickly improve customer experiences even in the densest and capacity demanding environments.

For more information and technical information, please visit our website [www.matsing.com](http://www.matsing.com)

**Come and see ZettaBall™ along with other models at Mobile World Congress in Barcelona February 26<sup>th</sup> 2018, Hall 7, Stand M65**

**About Matsing**

Matsing is a pioneer company with several years of experience in bringing high performance RF lens solutions to industries including wireless broadband, satellite, measurement and government. Matsing has had a strong focus on meta-material development and design, allowing them to construct the worlds lightest and largest RF lenses. Having developed unique high-performance lens antennas for multiple industries, Matsing is now driven to transform 4G networks to lens technology.

Holding several RF MetaLenz™ technology patents, Matsing Inc. has led the development of a new approach to antenna design, focusing on using RF Lenses to outperform traditional phased-array (panel) or dish antennas, providing a needed solution to growing capacity demands.