

## Movandi Launches BeamXR as Industry Transitions to 5G

*Delivering 5G Experiences with Low Latency, Extreme Capacity and Fiber-Like Connectivity to the Cloud*

- New BeamXR solution solves today's real world 5G deployment challenges – addressing non line-of-sight, high path loss, and self-install challenges.
- Delivers leading 5G performance and extends indoor and outdoor coverage, while maintaining ultra low latency.
- BeamXR increases 5G coverage, while reducing infrastructure costs, accelerating large-scale 5G commercialization.

**NEWPORT BEACH, Calif., February 19, 2019** – [Mobile World Congress 2019](#) – Movandi, a privately held company with a mission to revolutionize 5G Everywhere, today unveiled BeamXR that is poised to accelerate and extend the range of real world 5G deployments. Communicating on today's millimeter wave 5G networks are filled with a myriad of technical challenges. Movandi's new BeamXR solution provides the foundation for unlocking the potential of 5G millimeter wave networks and accelerating large-scale 5G commercialization.

Movandi's new BeamXR 5G system delivers improvements in performance, coverage and latency to connect 5G everywhere. Movandi's BeamXR solves the issue of 5G coverage limitations caused by the propagation characteristics of radio signals at 5G millimeter wave frequency bands and increases 5G coverage, while reducing infrastructure costs, simplifies deployment and increases network capacity, enabling new high-reliability, low-latency services.

“Millimeter wave 5G networks require dense deployment of network nodes, which translates into extremely high costs for radio equipment and fiber,” said Joe Madden of Mobile Experts. “Our modeling shows that major American operators will run out of capacity below 6 GHz, driving them toward mm-wave deployment in the next few years, “Reducing the related cost and complexity would be a game changer in the industry.”

Movandi's Beam XR platform was developed in modular, high performance design to support a broad range of 5G millimeter wave applications, enabling fewer traditional 5G base stations to support a greater number of fixed wireless and mobile broadband access

points. BeamXR is truly unique since it was designed and optimized as a complete system with unmatched performance, cost and size advantages that unlock the potential of 5G and other multi-gigabit networks.

“Movandi’s new Beam XR solution delivers a leap forward to the best-of-breed today and can solve the stringent 5G deployment challenges the industry and operators are facing today, said Reza Rofougaran, CTO, Co-CEO and Founder, Movandi. “Our new BeamXR solution is transformative and can accelerate large-scale 5G commercialization by reducing infrastructure costs, simplifying deployment and increase network capacity, without impacting latency. We are revolutionizing 5G the same way we pioneered Bluetooth, Wi-Fi, and 4G decades earlier – making the once thought impossible now possible and are proud to share our technology inventions and be among the first to bring mobile 5G to the world.”

To date, millimeter wave 5G has been successfully demonstrated and the delivered performance is promising. Solutions that can address the design complexity increases and signals reliability over long distances have made scaling a challenge. As such, many in the mobile industry considered millimeter highly impractical for mobile devices and networks, and thus unlikely to materialize.

Using BeamXR, the millimeter wave signals can be boosted to penetrate buildings or bend the signal around a building. While many engineers attempt to use existing technology building blocks, Movandi’s approach provides an entirely new foundation for 5G devices. In contrast to traditional expensive, bulky and inefficient millimeter-wave antennas. BeamXR is more compact, more power-efficient over a wider power range, more spectrally efficient, and cheaper to produce. And because BeamXR can more effectively distribute the 5G signal, you can achieve greater coverage while meeting very low latency in hard to reach places.

### **Availability**

Movandi is sampling BeamXR to its early access partners including major global operators, infrastructure vendors and OEMs. It will be demonstrated at Mobile World Congress, February 25-28, 2019 at Fira Gran Via. To schedule a private demonstration or meeting during MWC in Barcelona, please contact [info@movandi.com](mailto:info@movandi.com).

### **About Movandi**

Movandi, a privately held company with a mission to revolutionize 5G Everywhere, was formed by some of today's top leaders in wireless communications. Movandi is disrupting 5G by using a radically different approach that is yielding tremendous benefits over existing networks. 5G enables a transformation in wireless connectivity that offers orders of magnitude improvements in performance, coverage and latency. Movandi thinks differently and has built an entirely new portfolio of 5G innovative technologies from device level to systems, producing millimeter wave systems that can be deployed more efficiently and achieve better performance over a wider range of deployment scenarios. Movandi is enabling a 5G connectivity fabric for innovation, which will bring the benefits of the internet to almost every industry, creating a vast opportunity for economic growth. [www.movandi.com](http://www.movandi.com)

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