

## **Virtual Extension Announces Next-Generation Mobility Feature in Wireless Mesh Networks**

*Networks using Diversity Path Mesh technology enjoy location freedom - coordinator and nodes can be moved freely within the cell range, network continues to operate seamlessly*

Tel-Aviv, Israel -- April 24, 2008 -- Virtual Extension, a leading mesh Wireless Sensor Network provider, announces the “Mobility” feature of its wireless fixed mesh sensor network. This unique capability enables the users to move or relocate the network coordinator (or the coordinators – if there are more than one) anywhere within the propagation range of the cell, with no need to make any changes, no re-programming or re-setting, and hence no corresponding delays and no down-time. The same feature applies also to the network nodes. Since such location changes do not impact the behaviour of the network, they do not require any expertise or training from the person undertaking them, resulting in a dynamic and flexible network.

The mobility can be used in a variety of ways. For example, in AMI mobility can be a key cost factor, as it enables the customers to use a single network for either drive-by AMR or fixed network, or to mix different systems in the same network, again without changing the network equipment.

"We learned about the need for mobility from our customers and put it on the original requirements list of our Diversity Path Mesh technology design; so when it was recently required by a customer application, the mobility was there, ready and waiting to be used. We tested it together with the customer and it worked immediately, exactly as planned" explained Leor Hardy, Virtual Extension's Chief Technology Officer. "This is one more example of a real need that the customer couldn't obtain from the other products on the market." he added.

The mobility is inherent in Diversity Path Mesh technology, adding to the already existing features that are unique or improved in Virtual Extension network product - compared to other products in the market. Diversity Path Mesh, which empowers Virtual Extension products, is a multi-hop, bi-directional communication technology, developed and optimized specifically for wireless sensor networks using mesh topology and operating in the unlicensed frequency ranges.

Diversity Path Mesh ensures that each transmission is relayed by the nodes surrounding it. Instead of investing in computing power to choose the best radio path and then instruct specific nodes, the network is flooded with the data in dozens of propagation paths, eliminating the need to rout and manage, thus increasing robustness and range and connecting thousands of nodes per network.

All Virtual Extension products are based on Diversity Path Mesh technology and available now. Please contact us about pricing.

**About Virtual Extension**

Founded in 1999, Virtual Extension has pioneered Diversity Path Mesh™ technology for Wireless Sensor Networking. The company's OEM customers rate its products as having the best range, resiliency and simplicity of deployment.

Virtual Extension provides a system that literally requires removing the wires from an existing sensor and replacing them with self-organizing wireless devices. Virtual Extension's design wins power a diversity of Wireless Sensor Networking applications and Automated Meter Reading, including pipeline security applications, agricultural applications, and industrial control and monitoring.

For more information, please visit us at [www.virtual-extension.com](http://www.virtual-extension.com)

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