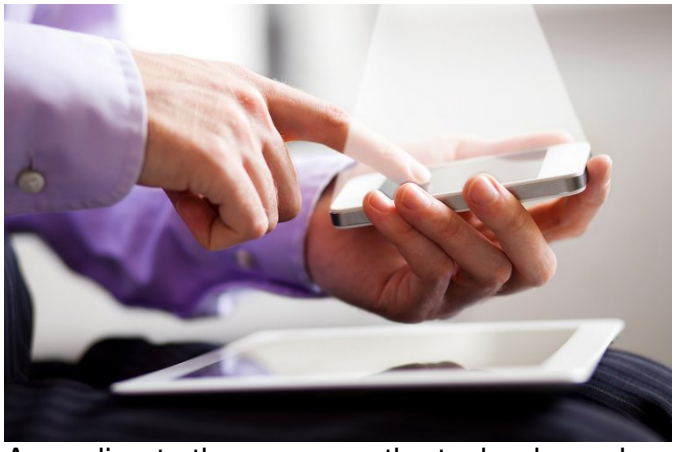
Written by Marco Attard
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Estonian startup Velmenni starts testing Li-Fi, the light-based alternative to wifi, in the real world with a pilot program taking place in offices and industrial environments in Tallinn.



According to the company the technology already shows promise, as it reaches connection speeds of up to 1Gbps-- 100 times faster than wifi. It has been seen to go faster still, as February 2015 tests by University of Oxford researchers achieved Li-Fi speeds of 224Gbps.

"We are doing a few pilot projects within different industries where we can utilise the VLC (visible light communication) technology," Velmenni CEO Deepak Solanki tells IBTimes UK. "Currently we have designed a smart lighting solution for an industrial environment where the data communication is done through light. We are also doing a pilot project with a private client where we are setting up a Li-Fi network to access the internet in their office space."

As Velmenni website puts it, Li-Fi "refers to the wireless communication system, which uses light as a medium of transport instead of traditional radio frequencies." The technology is potentially limited compared to radio waves (since it ultimately depends on line of sight), but still can be developed in a number of interesting ways, especially when used in parallel with other networking technologies.

The company already has a Li-Fi product-- the Jugnu smart LED bulb.

Go Velmenni

Go Li-Fi Internet: First Real-World Usage Boasts Speed 100 Times Faster Than Wifi (IBTimes)