



Press Release

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Signify reports rush to trial LiFi: “It’s light Jim, but not as we know it”

Indonesia is among the first countries piloting LiFi in an education center.

Eindhoven, Netherlands – [Signify](#) (Euronext: LIGHT), the world leader in lighting, announced it is working with more than 30 customers in Europe, North America and Asia to pilot its commercial LiFi system. Its LiFi-enabled LED luminaires combine excellent quality energy-efficient light with secure, stable, high-speed wireless communication using light waves.

Implementation of LiFi technology from Bangalore to Stavanger

Customers trialing the ground-breaking technology are located all over the world. In Bangalore, India, managed offices provider [Incubex](#) has established a LiFi meeting room to enable the many start-ups and firms it serves to explore the technology.

“Since our inception, we’ve been actively experimenting with and promoting new technologies. We’re giving our 450 plus members at our Manya Tech Park hub, and more than 3,500 members at our 10 other hubs, the opportunity to be the first to get hands-on with this new technology which is set to go places. So far, we’ve had great feedback and received lots of enquiries from our members,” said Alap Uttamchandani, Founder of Incubex.

[Atea](#), the leading IT infrastructure company in the Nordics and Baltic region, is piloting LiFi in its office in Stavanger, Norway. The company has installed LiFi luminaires in the lobby of its building so it can demonstrate the technology and have visitors try out the new wireless communication technology.

Telecoms company [Orange](#) is another customer, piloting the technology at its office near Paris, France, where LiFi is being tested.

In Singapore, [Republic Polytechnic](#) will install LiFi in its Smart Devices Lab. It intends to give its students new learning opportunities and broaden their exposure to smart lighting technologies. The polytechnic is the first institute of higher learning in Southeast Asia to adopt LiFi.

In Indonesia, Signify has partnered with [IQ Education](#) to create a hi-tech learning environment for children between the ages of 6 - 12. IQ aims to become the “third” place between school and home - teaching students Coding, Math, and English while providing a comfortable lounge area for them to complete their homework before their parents come back from work. In addition to IQ’s study lounges having specially designated corners with a Li-Fi connection, IQ’s classrooms also use Philips Hue, smart lighting for perfect ambiance, from Signify.

Broadband Internet through your lights



“Our initial pilots illustrate the massive potential of this technology,” said Michel Germe, Head of LiFi at Signify. “We’ve received hundreds of enquiries from potential customers from all corners of the world, some of which have led to applications inspired by them and jointly created with them, such as communication between robots in manufacturing facilities. As well as the 30 plus pilot projects, we’ve installed LiFi in 26 of our buildings across the world.”

“The pace of digital development in Indonesia, the country with the largest number of internet users in Southeast Asia, is primed for new technology such as LiFi,” commented Rami Hajjar, Country Leader, Signify Indonesia. “LiFi will change how the internet gets delivered to us, and it has sparked a lot of interest, especially where fast and highly secure internet connections are needed. We are excited to see how Signify and our customers will find new ways to use LiFi, in offices, in stores and in education centers, such as IQ.”

The pilot projects underscore Signify’s commitment to developing innovations to benefit its customers and its leadership in unlocking the value of light as a new intelligent language.

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Notes to Editors

LiFi: broadband connectivity through your lights

LiFi offers two-way, high-speed wireless communication like other wireless technologies. Instead of using radio signals it uses light to transmit and receive data. Signify’s LiFi-enabled Philips luminaires have a broadband connection speed of more than 30Mb per second without compromising light quality. This allows streaming simultaneously several HD quality videos while holding a video call.

How does LiFi work?

Each luminaire is equipped with a built-in modem that modulates the light to transmit data. The modulated light is detected by a LiFi USB access key plugged into the socket of a laptop or tablet (in the future such technology will be built into laptops and mobile devices). The LiFi USB access key returns data to the luminaire through an infrared link.

Advantages of LiFi

LiFi provides high speed, reliable and stable communication and may be used in places where radio frequencies may interfere with equipment, such as in hospitals and factories, or where other wireless technologies cannot reach or are weak, such as underground. It’s also ideal for use in environments demanding high security; for example, the back office of a financial institution or government service. LiFi is highly secure as light cannot pass through solid walls and a line-of-sight to the light is needed to access the network.

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About Signify

[Signify](#) (Euronext: LIGHT) is the world leader in lighting for professionals and consumers and lighting for the Internet of Things. Our [Philips](#) products, [Interact](#) connected lighting systems and data-enabled services, deliver business value and transform life in homes, buildings and public spaces. With 2018 sales of EUR 6.4 billion, we have approximately 29,000 employees and are present in over 70 countries. We unlock the extraordinary potential of light for brighter lives and a better world. We have been named [Industry Leader](#) in the Dow Jones Sustainability Index for two years in a row. News from Signify is located at the [Newsroom](#), [Twitter](#), [LinkedIn](#) and [Instagram](#). Information for investors can be found on the [Investor Relations](#) page.