

Kerlink Gateways Power IoT Network Piggybacking On Wind Turbines 100 Meters Above Dutch Port



PRESS RELEASE

Thorigné-Fouillard, France – March 18, 6:00 p.m. CET – When the Port of Moerdijk had a large wind farm installed at the Southern Netherlands municipality in 2020, operated by Vattenfall, one of the European leaders in green energy, officials realized the turbine towers could serve an additional purpose: hosting an Internet of Things (IoT) network that provides key sensor data to the bustling port 120 meters below. **Kerlink** (AKLK – FR0013156007), a specialist in solutions dedicated to the Internet of Things, was selected to provide the gateways for the LoRaWAN® project.



While the 27-megawatt wind farm supplies clean energy to more than 27,000 households in the area, Kerlink WInet™ iStation LoRaWAN® gateways receive sensor data and information in a radius of +/- 25 km, or 2,000 km², and securely transfer it to users in the energy-efficient IoT network. In addition to monitoring air quality, including CO₂ emissions, sensors are used for monitoring water levels and open or closed bridges and gates around the port, which helps traffic move efficiently and reduces emissions.

In addition, the industrial-grade IoT network will be available near the port for shipping, rail and other companies, as well as municipalities, government agencies and individuals, at low cost.

Kerlink's wind-powered outdoor gateways will run entirely on green electricity. Remy de Jong Sr., from SKYLAB BV, which specializes in installing IoT gateways, said the advantage of the height is that the signal is stronger and reaches further.

"With these great results, we expect to expand the public Internet of Things into the wind industry, for example for on- and off-shore wind turbines. We usually do that on high buildings and towers," he added. "When we entered into talks with

Port of Moerdijk, we got the idea during a brainstorm of using the wind-farm towers. Installing a gateway on a windmill – we have never done that before in the Netherlands, and to my knowledge, it hasn't been done this way anywhere in the world."

The project is Kerlink's second major deployment in the Netherlands. In 2019, it was part of a joint deployment of a LoRaWAN® private IoT network at Amsterdam Airport Schiphol, one of the largest international airports in Europe.

"Kerlink WInet iStation IoT gateways are operating 100 meters above the water in what will be an exposed and challenging environment, but this product has repeatedly proven its robust performance and reliability," said Aurélien Seugnet, Kerlink's business developer. "Being wind powered also is a key benefit, because they will be out of reach for battery replacements."

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About Kerlink

Kerlink Group is a leading global provider of connectivity solutions for designing, launching, and operating public & private Internet of Things networks. Its comprehensive product portfolio includes industrial-grade network equipment, best-of-breed network core, operations and management software, value-added applications and expert professional services, backed by strong R&D capabilities. Kerlink specializes in enabling future-proof intelligent IoT connectivity for three major domains: Smart Cities – metering, parking, street lighting, waste management, air quality & pollution, building & facilities, assets monitoring... Smart Industries – fleet & asset tracking, energy & utilities, oil, gas & mining, airports, harbors, infrastructure, manufacturing, retail... and Smart Territories – precision agriculture, environment protection and rural towns & areas. More than 120,000 Kerlink installations have been rolled out with more than 330 clients in 69 countries. Based in France, with subsidiaries in the US, Singapore, India, and Japan, Kerlink is a co-founder and board member of the LoRa Alliance® and the uCIFI Alliance™. It is listed on Euronext Growth Paris under the symbol ALKLK.

For more information, visit www.kerlink.com or follow us on Twitter @kerlink_news.



Upcoming events

2020 results & 2021 Q1 revenue: 15 April 2021, after market close

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