€5m for LED plastic optical fibre expansion – September 22, 2022

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By Nick Flaherty

Dutch plastic optical fibre (POF) developer FiberUnlimited has raised €5m to expand its LED technology into international markets.

FiberUnlimited has developed a plug and play POF network using LED technology that can provide material savings of up to 90% and energy savings of up to 40% compared to traditional copper-based indoor networks.

The company is currently working on the roll-out of its technology in NedCargo's completely renovated distribution centre in Soesterberg as well as with Delta Development and VolkerWessels Logistics to install its technology at Schiphol Airport.

Other locations using the POF technology include Vos Transport's new distribution centre in Zaltbommel and ARA Almelo, developed by Stellar Development in collaboration with Heembouw, which will be equipped with POF integrated into the lighting.

- KDPOF teams for standard automotive ethernet over POF
- Plastic optics boosted to 25 Gbit/s
- IR transparent solderable resin for co-packaged optics

This first financing round of €5m from FORWARD.one and Oost NL will boost international growth and further development of its products and services to make networking connectivity for real estate more sustainable and to prepare buildings for the rising demand for super fast indoor networks.

"POF prepares buildings for the future with smart connectivity that makes real estate ready for the needs of current and future tenants," said Steven Bleker, CEO of FiberUnlimited. "It enables a sustainable indoor network that is fully circular and a flexible and scalable ethernet network that adapts to the demands of the time. This could mean a sound system, cameras, WiFi access points, or Bluetooth

beacons today, but in the future it could involve systems for flying drones. Our infrastructure is already prepared for the limitless future possibilities for any building."

"New network technologies will have to be applied to meet the increasing demand for sustainable buildings and the need for high bandwidth speeds. We are impressed with FiberUnlimited's team and believe their technology can play a leading role in the transition to sustainable optical indoor network connectivity," said Paul Pruijmboom, Partner at FORWARD.one

www.fiberunlimited.com/

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