

MODULAR SMART POLES

 **LuxTurrin 5G**

Building digital backbone for sustainable cities





Digital backbone for sustainable cities

LuxTurrim5G smart poles bring the digital backbone for a smart and sustainable city. Combining fast 5G connectivity, wide sensor network and a secure data platform with data-driven services boosts safety, efficiency, healthy and smooth living. The LuxTurrim5G technology has been developed in Finland by a Nokia driven innovation ecosystem.



Key features of the solution

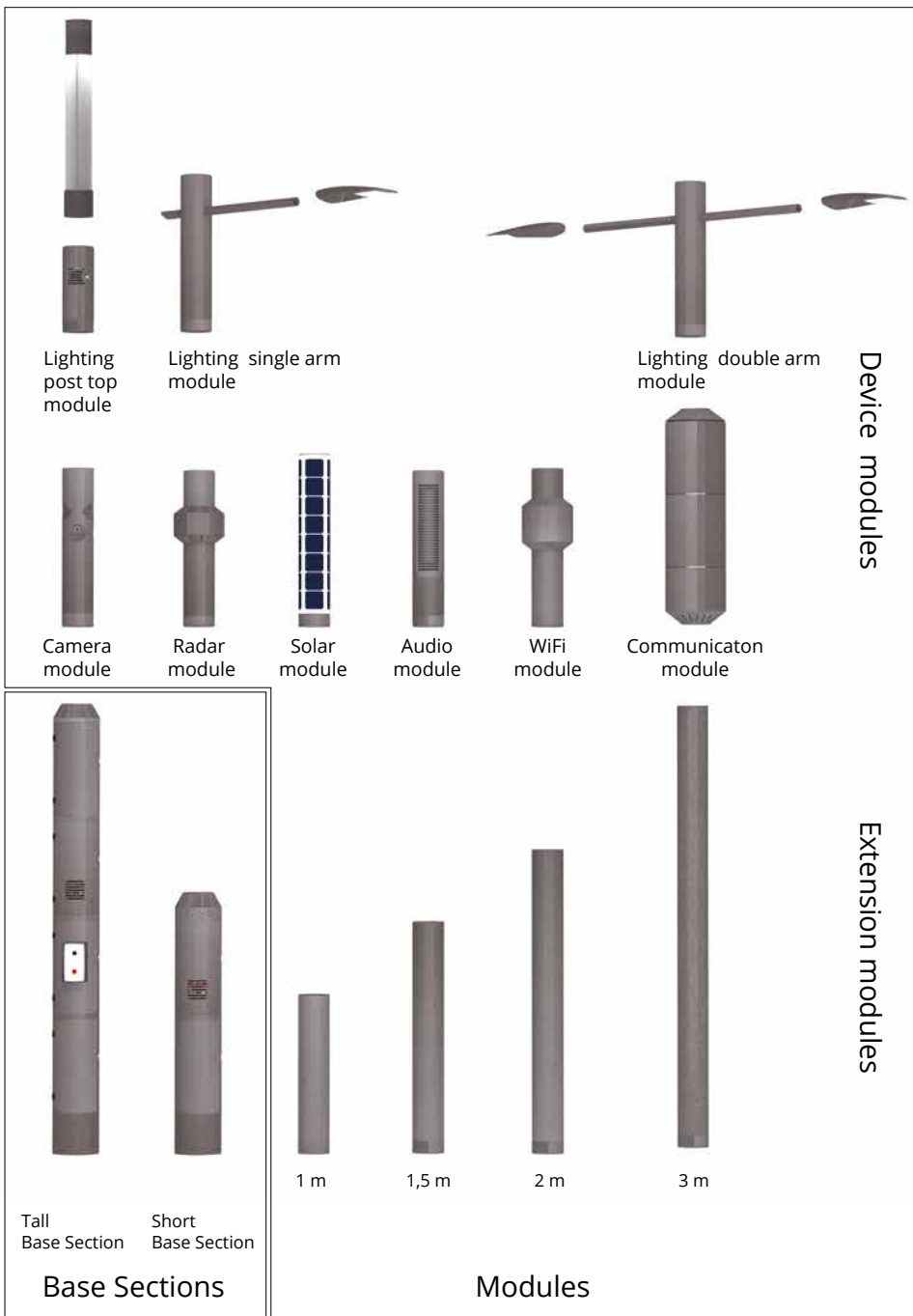
- Efficient smart pole network enables services for the smart and sustainable city
- Secure data platform combines centralized management and open data access
- Innovative modular design allows customization of smart poles
- 5G connectivity provided together with numerous integrated sensors and devices
- High-quality technological innovation from Finland





Configure your own smart pole

The basis for a sustainable city life is to understand the diversity of requirements in different urban areas. LuxTurrim5G smart pole concept has been designed to easily adapt to various purposes. Thanks to the innovative modular concept, we can provide smart poles in custom configurations.



Product family





Unlimited possibilities for the smart city services

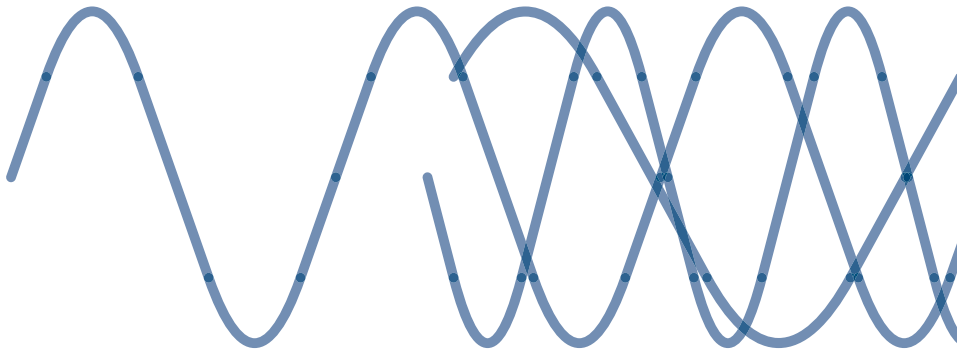
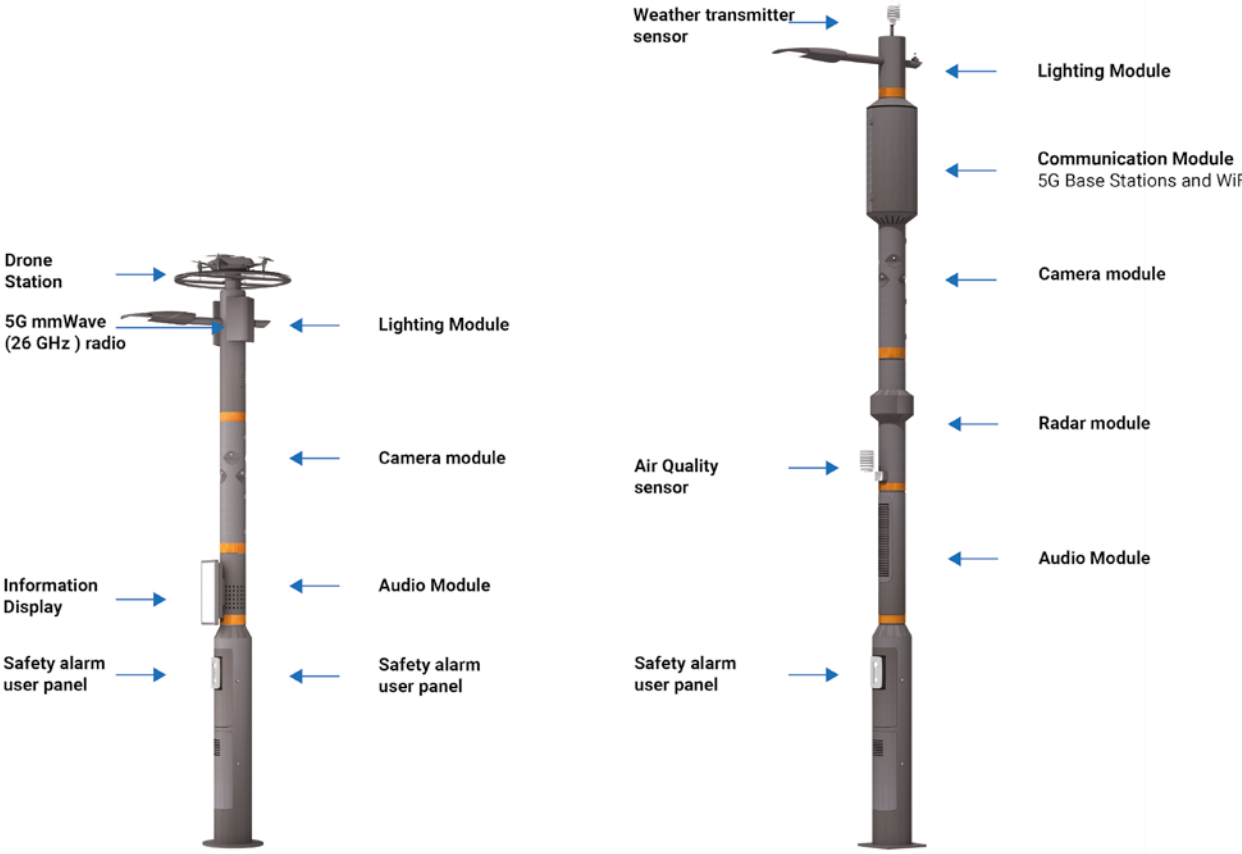
The network of connected smart poles can host numerous sensors and devices. With this infrastructure the smart city can provide a wide range of services and create new ones.

- Ultra-broadband 5G services for companies and citizens
- Public transportation, autonomous vehicles, and remote driving
- Traffic monitoring and optimization
- Infotainment and public safety services
- Security and surveillance incl. advanced video analytics
- Environmental monitoring, local weather, and air quality services
- Emerging new services - the biggest opportunity!

All sensor data collected from the smart pole network is managed in a secure platform, which also operates as a data marketplace for the service providers.



Smart poles with integrated sensors and devices showcased at Expo 2020 Dubai



Who are the LuxTurrim5G partners?

LuxTurrim5G is Nokia Bell Labs driven Finnish publicly funded Smart City Ecosystem research project. In May 2020 the ecosystem completed a pilot route of smart poles in the city of Espoo, Finland. Comprising of 19 smart poles with the latest 5G technology and altogether 250 interconnected devices it created a super-fast connectivity and extensive sensor network for practical piloting of digital smart city services.

During the Expo 2020 Dubai, the LuxTurrim5G offering, and two functional smart poles are showcased in Finland Pavilion together with following ecosystem partners: Nokia, Tehomet, Orbis, Teleste, Vaisala, Indagon, L7Drive, Link Design, VTT and Spinverse.

www.luxturrim5g.com

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