

SMARTPOLE

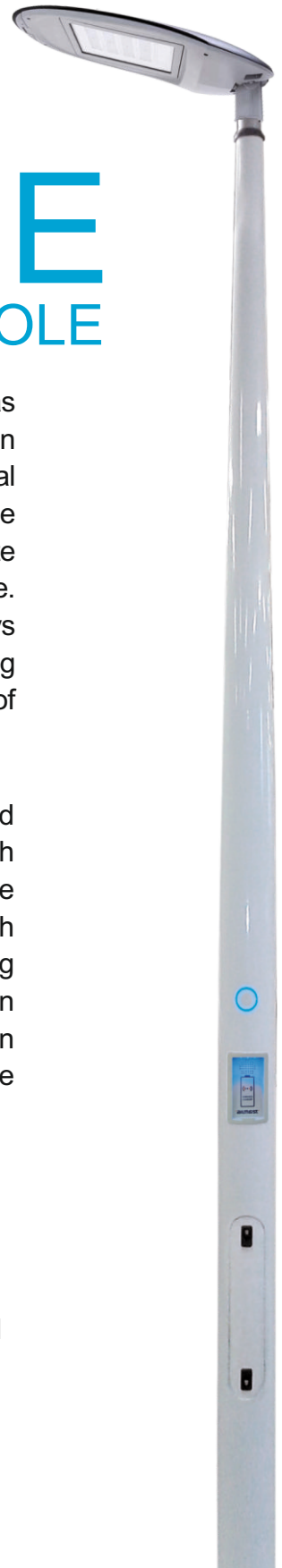
HIGHLY DEVELOPED LIGHTING POLE

Innovative lighting pole Smartpole produced by company Alumast S.A. has many more functions than just illumination. It is a modern construction which aims to improve safety and comfort of inhabitants of cities and rural areas. Additionally, it is Eco-friendly because lightweight and durable composite materials are used in the production of Smartpole. Composite material is resistant to road salt, traffic pollution and animal waste. Advanced interface enables the implementation of different kinds of plays and games and also of interactive tourist guide informing what tourism facility is located nearby. Smartpole has a wide range of services and functions.

Smartpole has been developed in order not to look differently than standard lighting pole. Its basic function is still ensuring proper illumination which is done by highly effective LED luminaires providing the lowest possible CO2 emission. What is more, Smartpole may be also produced with luminophore (Lumipole). Such lighting pole is a combination of our long experience in producing composite lighting poles with fresh perspective on the problem of public lighting. This innovative product was designed in cooperation of Alumast with Wrocław Technical University. Lumipole provides even light intensity and proper visibility on roads.

During the day luminophore contained in our lighting pole stores the light energy from the sun so at night it gives light with its entire surface and spreads around a delicate light mist.

Furthermore, luminophore contained in the lighting pole is stimulated by ultraviolet light source mounted inside the pole and by luminaire. Passing vehicles also stimulates chemical compounds to emit light. In the case of power outage, poles will emit light providing better visibility.



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ADVANTAGES

ENVIRONMENTAL PROTECTION

- Composite construction with low CO2 emission, 100% recyclable
- Current recording of CO2, CO carbon monoxide and PM 2,5 and 10 emission
- Detection of toxic substances in the environment
- Wireless lighting management to reduce electricity consumption and also CO2 reduction

SAFETY

- Light alarm and a voice message emitted in the case of emergency
- Providing information to emergency and law enforcement services in the case of car accident causing break of the pole
- Measurement of traffic used to inform drivers about the situation on the road
- Providing information to drivers regarding weather conditions prevailing in the relevant section

ENTERTAINMENT

- Wireless internet access (WiFi)
- Providing important information and local ads on smartphone (laptop, tablet computer) after connection with lighting pole
- Interactive fun and educational games for children in the playgrounds
- Tourist Guide (information about historic buildings and nearby cultural sites)
- Listening to music through the loudspeaker mounted inside the pole

ADVERTISEMENT

- Broadcast advertising on pedestrian crossings, near shops and shopping malls, information about promotions via audio messages

COMFORT

- Wireless inductive charging of phones and other equipment having this capability



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