Voice-over Script

Intro
Meet Industry Solutions, we're 20-year specialists in the electro-technical market and major leaders in Slovakia.

In the summer of 2022, we partnered with Žilina city and the University of Žilina to implement a pilot project in Solinky, a small suburban town of Žilina. This project was based on three fundamental factors: *modernisation* in an urban landscape, environmental and economical *sustainability*, and public *safety*.

Our innovative solution used existing lamp posts and power lines infrastructure to enrich Solinky town with a new generation of efficient and eco-friendly light heads and intelligent functions.

Adaptable Lighting
Our LightNET technology empowers you to independently manage and control each light head.

The benefit of adaptive lighting is the versatility it offers in adapting to outdoor lighting conditions in real-time, and the flexibility to suit the needs of individuals.

The benefits don't stop there. Our advanced adaptive lights come with an extended service life, reduced operating costs, increased safety and comfort for the public.

Our future-centric solution ensures that your street lighting system is tailored, optimised and adaptive to your requirements.

Smart Alley

Welcome to Smart Alley, one of the most sustainable streets you'll ever walk along.

A general standard of light is constantly maintained thanks to a combination of our intelligent detectors and programmable light heads which decrease your overall running costs.

When a pedestrian enters within the radius of the detector, it'll automatically trigger the light head to fully light up. Crucially, this provides public comfort and safety, while simultaneously saving power.

Constant Electrical Power

While a standard street light electrical grid is inactive during the day and completely disconnected from power, our advanced LightNET technology has the features and capacity to provide a constant supply of electrical energy. This means there is an additional stream of electricity that wouldn't be available otherwise.

LightNET technology supplies electrical energy to end devices and transmits relevant and useful data. But how does this look in reality?
Electrical energy generated from LightNET technology provides electricity to market stands and food trucks for example. It can also power different appliances, like charging transportation devices, enabling transmission and reception of data for advertising displays, or delivering information to parking systems or other utilities.

Our Smart Power outlet is just one example of how to benefit from the stream of electricity and share data along the street light power line.

QR Code

When it comes to maintaining the lamp posts in a modern and manageable way – our solution has you covered, thanks to a unique QR code marked on each lamp post.

Anyone can scan the QR code and complete an online form to report a malfunction or request a change in light intensity at a specific location.

An alert will be sent out and an authorised person can remotely control the light heads in real time to create the ideal lighting conditions, even in unplanned situations. If someone reports a damaged light, it can be rapidly fixed.

Smart Sensor

Our Smart Sensor measures light intensity, temperature, pressure, moisture and concentration of dust particles in close proximity.

Light heads will adjust their intensity based on the measurements from the sensor which creates optimal conditions for visibility, while saving power and cost. Each location is equipped with multiple Smart Sensors to ensure the accuracy of measurements.

All this valuable data will be archived and can be highly useful when it comes to improving the local landscape, establishing eco-initiatives and conducting environmental quality analyses.

Smart Button

At the touch of a button, our solution gets even smarter.

Thanks to our Smart Button, pedestrians can press the button to kick-start a temporary, local light boost. It can also be configured as an SOS button to call for help, or activate assistive lights at a zebra crossing.

Traffic Counter

Another intelligent feature of our solution is measuring traffic intensity and categorising vehicles into different classes through our Traffic Counter.

The data captured can be useful for mobility management, transport planning and infrastructure, like determining the correct light intensity for high-traffic parts of the road compared to less-frequented areas. From a long-term perspective, the information from the Traffic Counter is also valuable for road and city planning.

Smart Control Panel

Now for the most pioneering device of all – our Smart Control Panel provides the electrical grid with a continuous supply of power. Thanks to control modules embedded into each lamp post, the Smart Control Panel can create a remote and automatic communication link.

LightNET technology provides a constant power supply and a two-way power line communication between the light heads and Smart Control Panel.

The best part about our solution is that it doesn't require additional costs for new wiring or altering the city infrastructure. Our solution can simply be implemented into your current street lights and

power lines which saves you additional expenditure and time, while improving your city's safety and sustainability.

Our revolutionary products are sold directly to city councils and municipal offices without any monthly fees.

Outro

Our advanced LightNET technology brings new possibilities for a better, safer and sustainable world. Are you ready to brighten up your future?

In-house research has been conducted to ensure all elements of our solution are developed to the highest standard, and designed to satisfy the needs of our streets now and in the future.

Our Industry Solutions of today are your solutions for a brighter future.