GREEN TECH.

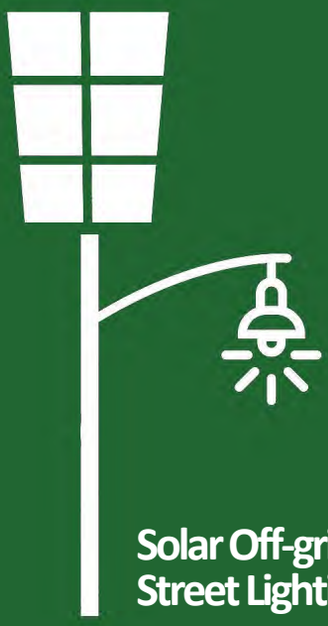


BBAi GreenTech

Smart solutions for a greener future

September 2026

Overview



Solar Off-grid
Street Lighting

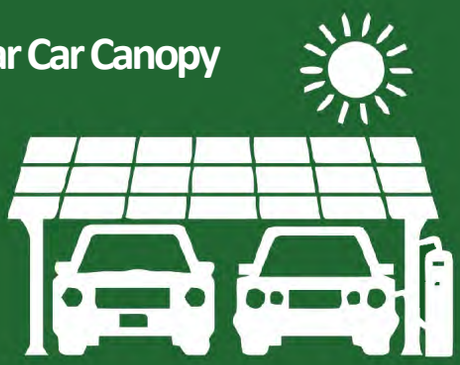
Photo-luminescent
Paint for
Signalization





Solar Off-grid
Pedestrian
Lighting

Solar Car Canopy





Solar Off-grid
EV Charger

Smart Off-
grid Bus
Station



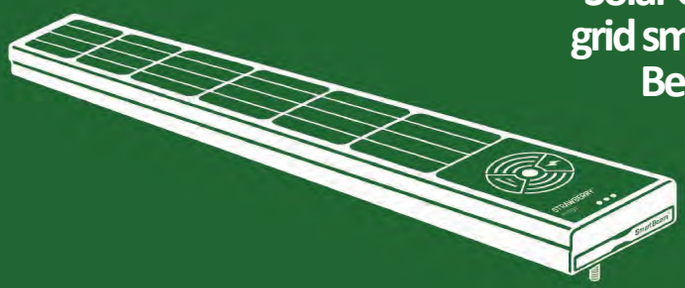
Smart IoT Solar/
Wind Street Lighting



Smart Off-grid
Bench



Solar Off-
grid smart
Beam



Driverless Passenger Public eTransport



Thermal Reflective Insulation Coating



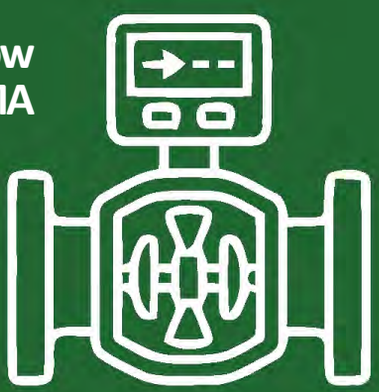


Indoor Lighting with UV/C Disinfection



Water Leaking Detection

Smart Off-grid Water Flow Meter for DMA



Solar Early Stage Off-grid Wildfire Detection





Public eBike Sharing Scheme

Mosquitoes Active Trap





Solar Off-grid Surveillance

Super Capacitor eBike



Solar off-grid Street Lighting











Solar Street Lighting That Lasts All Night, Every Night
Brighter, Reliable, and Off the Grid

Discover our solar
Street Lighting solutions
Our solar streetlights are the only ones to guarantee you 365 nights of lighting per year. Economical and environmentally friendly, our streetlights are renowned for their robustness and reliability. From north to south, east to west, solar public lighting adapts to all climates and requirements to meet all road or urban applications.



365 nights per year of lighting

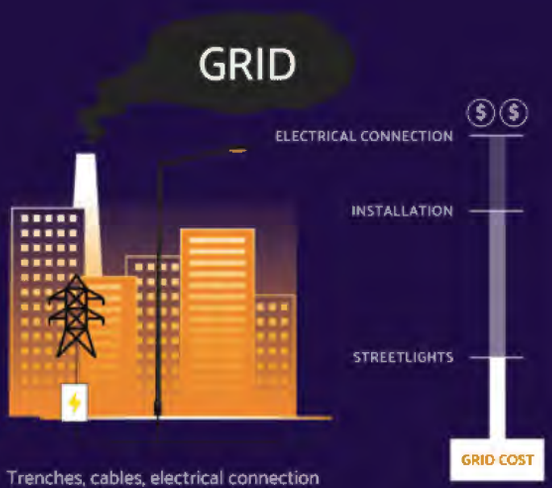
-40°C / +70°C

100% green/free energy

Quick/simple installation

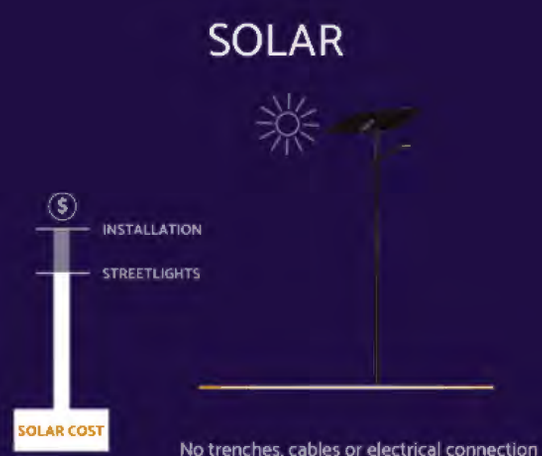
10 years wo maintenance

No more electricity bill



Trenches, cables, electrical connection

- ✓ 25% less expensive than conventional lighting.
- ✓ Easy to Install. Save 80% of the installation time: no cables, trenching or electrical cabinets required.
- ✓ Streetlights operate the same day they are installed



No trenches, cables or electrical connection

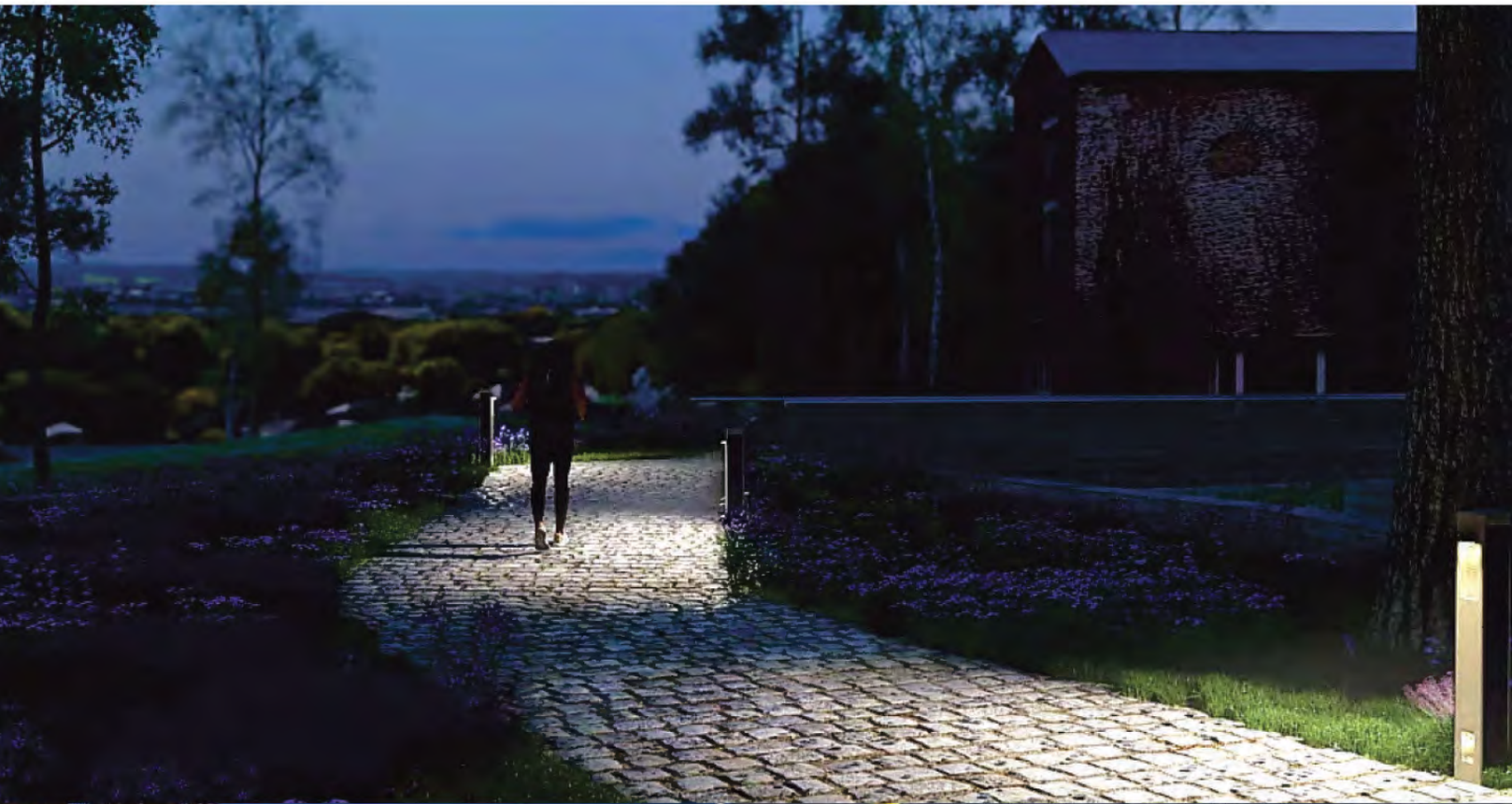


Characteristics

- Photovoltaic Module (125 to 410 Wp)
- 4 to 14 m, single/double head
- Nickel Alloy (NiMH) Battery with Long service life (4,000 cycles or 10/12 y) up to 1,248 Wh
- 40 to 80W nominal power lamp
- LED efficiency > 190 lm / W

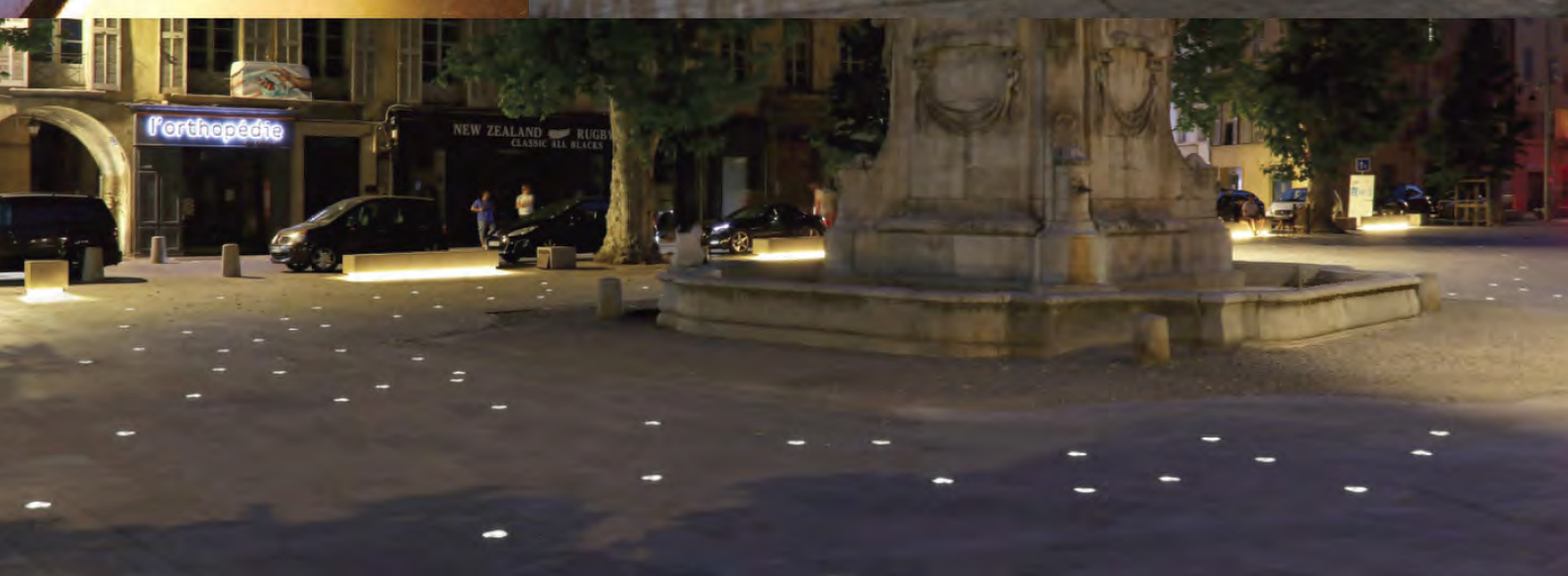


Solar off-grid Pedestrian Lighting









NOWATT
BY FONROCHE lighting

- ✓ Solar panel on both sides allowing to catch the sunlight even in winter and regardless of its orientation.
- ✓ LED 2200K or 3000K and motion sensor included

- ✓ Bluetooth control with scenarii
- ✓ Thanks to the Iroko wood and its discreet and elegant design, it fits in any environment (OKO) or anodized aluminium frame (ONYX).

- ✓ Power up to 5 watts with 150/23° or 30/60° optics (spacing 12/15 m)
- ✓ LiFePO4 Battery, 8000 Cycles, lifespan 22 years
- ✓ Height 365 mm / 1 100 mm

OKO, FOLLOW & BRUT BOLLARDS

COLUMN FOLLOW-UP



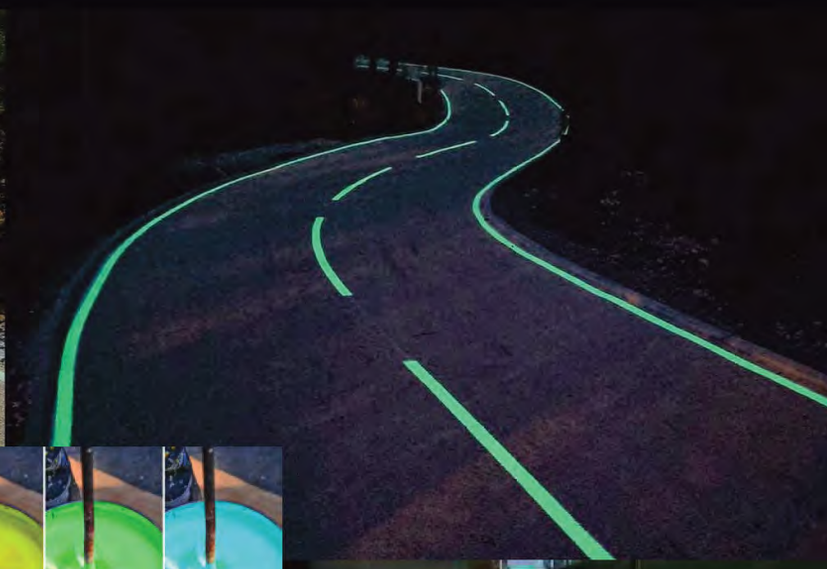
- ✓ Sustainable marking solution for all landscapes and many applications: bike lane, public square, pedestrian lane, street crossing, etc.
- ✓ Led RGB + Amber + GPS calendar programming
- ✓ Independent or network scenario
- ✓ Easy and quick installation
- ✓ 100 programmable via Bluetooth
- ✓ Compression up to 3 tons (suitable vehicles up to 32 tons).
- ✓ DARK SKY compatible

CRYSTAL STUD

Photo-luminescent Paint

for indoor and ourdoor signalization







5 Colours









LuminoKrom®

Photoluminescent paint for safer mobility at night

LuminoKrom®, photoluminescent paint with unique performance

Deployed since 2018, our photoluminescent paint is the most effective solution on the market.
It has been specially designed for use on cycle paths and pedestrian areas where there is no or insufficient street lighting.
It's a patented, certified Class G innovation. The paint is charged by natural or artificial light and glows in the dark for 10 hours, without any power supply or CO2 emissions.
The resistance of our photoluminescent paint has been tried and tested for over five years, and the checks carried out show that the lighting process is perfectly stable.

Bike lanes

Photoluminescent paint on cycle paths and areas dedicated to cyclists improves visibility at night, increasing safety for cyclists. It reduces dependence on street lighting, saving energy.

Greenways

Photoluminescent paint on greenways improves night-time safety, reduces the need for street lighting, saves energy and creates a pleasant and safe walking experience by guiding users in the dark.

Pedestrian areas

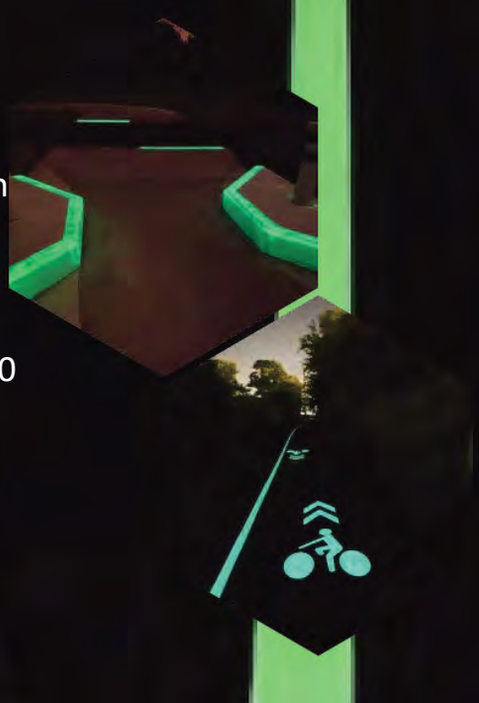
LuminoKrom® paint in pedestrian areas helps guide pedestrians in low-light conditions, enhances safety and reduces the risk of accidents by creating a safer and more pleasant environment for pedestrians.

ALERTING

LuminoKrom® is particularly well-suited to **ALERTING** and signalling accident-prone areas to bicyclists on bike lanes. Deploying luminous signs and markings at the approach to intersections, accident-prone roadside verges and obstacles (chicanes, barriers, low walls, steep turn etc.) enhances user vigilance and anticipation on its night-time travel.

GUIDING

In the dark, LuminoKrom® paints provide crucial informations to cyclists by creating a luminous **GUIDE** on the ground, visible for over 80 meters. Deployment is particularly recommended for securing bikeways areas: continuous and discontinuous axial lanes, edge lanes supplemented by pictograms and/or arrows with direction to follow, line markings intersection.



Solar off-grid EV Carport











The patented **EV ARC™ charging system** is the only 100% **renewable**, transportable, **off-grid EV charging option**

and it fits in a standard parking space. It can make enough clean, renewable energy to power up to 420 e-km in a single day and charge up to 6 electric vehicles (EVs) at a time.
It requires no permits*, no construction, no electrical work, and can be deployed in minutes by a Beam Deployment Expert.
The EV ARC™ solar EV charging system is a versatile energy-infrastructure product with a sleek aesthetic design that can provide power to charge a wide variety of items from EVs, e-motorcycles and e-bikes, to outdoor digital displays, 5G radios, CCTVs (closed circuit TVs), lighting and personal electronics.

- ✓ The EV ARC™ solves your problems
- ✓ Fastest and easiest to deploy solution on the market
- ✓ Transportable
- ✓ Off-grid EV charging and emergency power
- ✓ Highly visible sustainability initiative





- ✓ Maintain full parking capacity
- ✓ Reach as many as 12 parking spaces
- ✓ Charge up to 6 vehicles at the same time
- ✓ 4.4 kW solar array
- ✓ 20/30/40 kWh of battery storage
- ✓ Sun tracking system (+25% solar power)

- ✓ The dedicated BeamBike™ charging station provides a vital solution for ebike owners who want a secure location to park, lock and charge their ride, without the risks of charging indoors.
- ✓ Safe and secured charging for 12 bikes, deployed in minutes.



Classical Solar Parking Canopy











Solar off-grid Smart Bench & Bus Station











Solar off-grid Smart Beam











Strawberry energy

Power your devices, Reduce CO_2 emissions

SmartBeam is a groundbreaking solution that effortlessly upgrades regular benches into smart, sustainable, and connected urban seating. It generates 100% clean solar energy, stored in a battery, allowing you to power your portable devices and LED lights day and night—even on cloudy days or in off-grid locations. With modular add-ons like USB chargers, air quality sensors, and WiFi routers, you can customize it to fit your specific needs and use cases.



100% Solar. Powered by the Sun, Driven by Sustainability.

Reducing CO2 emission with every recharge. Take a seat, charge up, and see your impact in real time! Just scan the QR code on the side to discover exactly how much CO_2 this SmartBeam bench has saved so far. Every charge you make is a small but powerful step toward a cleaner planet. Go ahead, give it a scan—you'll be surprised at what a difference you're making!



Standard Features

Wireless Charging, LED lights, Connectivity with Data plan, GPS locating, Coolers, User counter

Add-on options

USB Charging (A+C), Air Quality sensors, Footfall Counter, Additional battery, the Power Beam, the WiFi Beam



Smart IoT Street Lighting
(grid/wind/solar) with EV charger



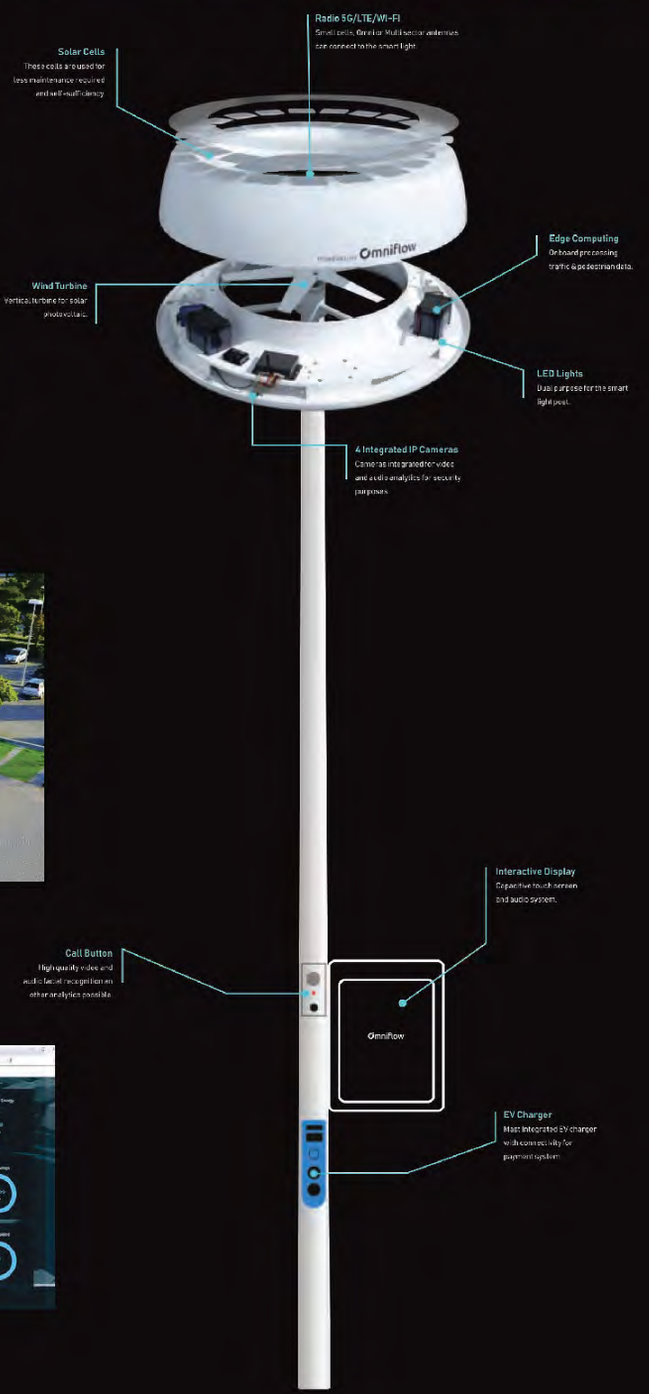
OmniLED is a fully autonomous smart energy infrastructure for urban and remote applications

Our solution achieves a power reduction of more than 90% transforming a simple street light into a carbon neutral object

It can be used for multiple IoT purposes in a single infrastructure without the need of creating new ones (existing grid pole)

We have 2 available models for smart lighting , the Omniled 07 (for pole heights of 6-12m) and the Omniled 035 (pole heights of 3-5m).









- ✓ Dimensions 0.30 / 1.20 m (h x d) and 0.15 / 0.60 m (h x d)
- ✓ Hybrid Wind at 15/100 Wp (rated @11 m/s, steady) and Solar at 15/60 Wp
- ✓ Direct drive iron-less start permanent magnet
- ✓ Battery 172/500 Wh C10 Lead Crystal
- ✓ LED power 12/180 W
- ✓ Efficiency 145/180 lm/W with colour temperature 2700/6000 K
- ✓ Wi-Fi, 4G/ 5G, Small Cell, IP cameras and Video Analytics, EV Charger, Edge computing
- ✓ **EV charger up to 22 kW**

Driverless Passenger Transportation

Shuttle/Bus/Towing tractor









At NAVYA, we offer you a turnkey mobility solution on private site and public road

Efficient
Bring a disruptive technology and services to address new mobility use cases

Improved operational safety
Increase the end user's safety with a reliable transportation solution

Green
No CO_2 emission when the vehicle is used and improved energy management

Decrease TCO
Deliver a cost-effective solution to offer highest value to the customer

For All
Provide an inclusive mobility service adapted and accessible to all passengers

AUTONOM® SHUTTLE PLATFORM



Gross vehicle weight	3700 Kg	**Maximum speed in auto mode**	14 km/h without operator 25 km/h with operator
Turning radius	7m	**Maximum slope**	15 %
Connectivity	3G/4G/5G	**Engine power**	22,6 kW nominal (32,9 kW peak)
Number of passengers	11 + 4	**Autonomy**	10h – 90 km
Wheelchair location	1	**Charging time charge**	4h (0-90%, 230V, 32A plug)
Dimensions	478x210x267 cm (lxwxh)	**Battery**	33 kW/h - LiFePO4 –Certified R100-3



1. LiDAR (2D and 3D perception)
2. Odometry (speed of the tires)
3. GNSS (communication GPS/beacons) Camera (front and back)
4. Sensing sensor (light and raindrops)

+ SLAM (map LiDAR) + V2X (data infrastructures

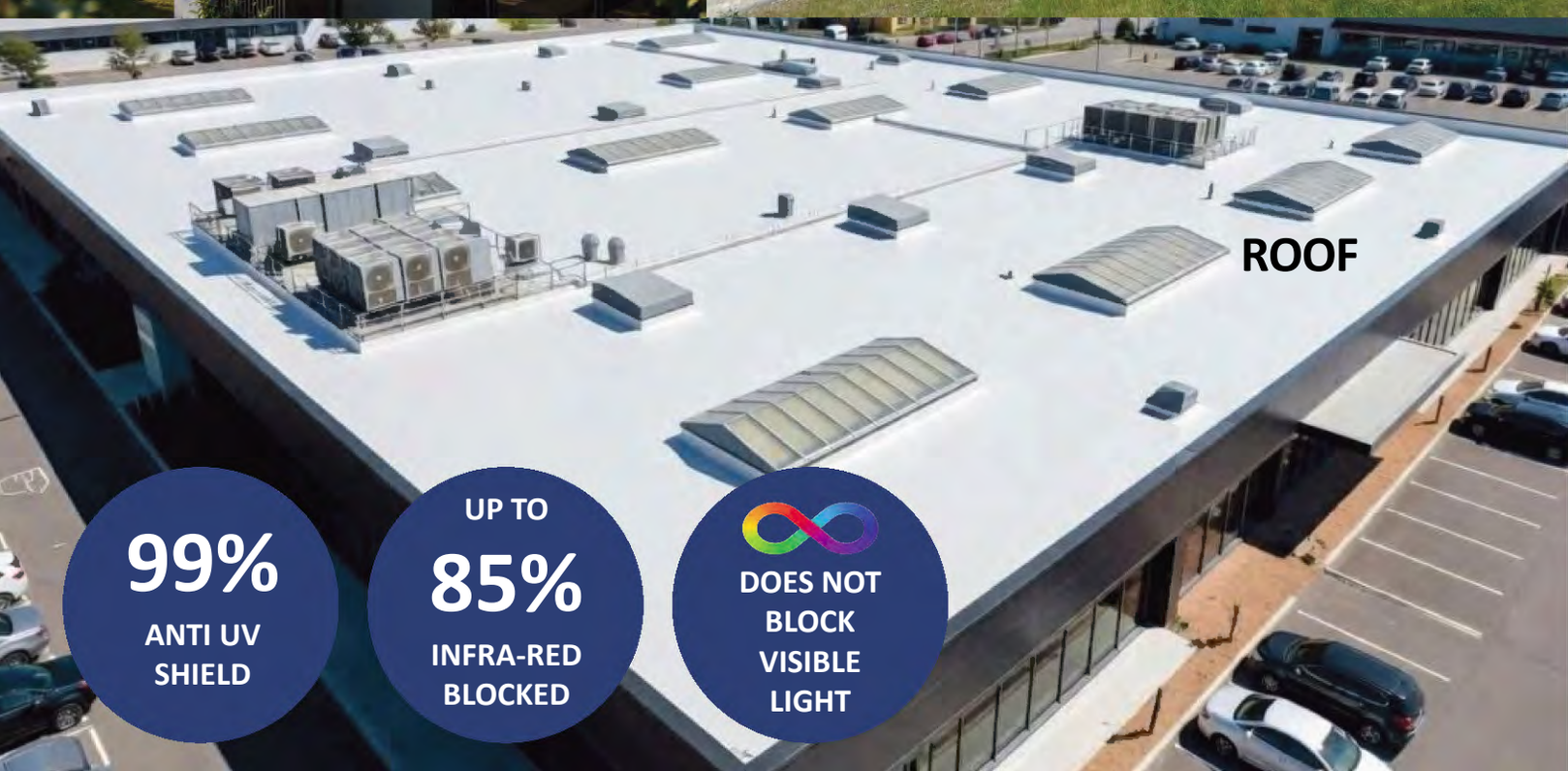
Thermal Reflective Insulation Coating

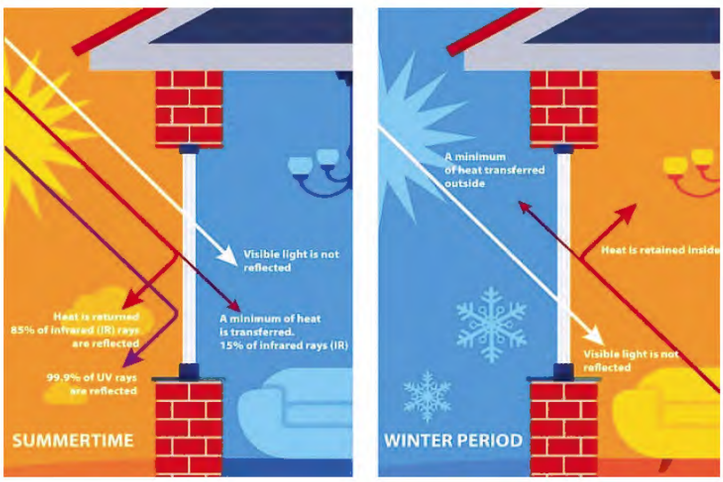
for glazed surfaces, walls & roofs (coolroofing)











VITRO'REFLECT® is a transparent, liquid coating for glass surfaces that increases the thermal comfort of buildings in summer and winter.
Applicable on glazed surfaces with the supplied roller, **VITRO'REFLECT®** forms by drying a transparent film creating a real thermal barrier on the surface of the glass.

THERMO'REFLECT® is a high emissivity reflective coating that prevents the absorption of solar radiation.
In winter, the cold is locked out.
THERMO'REFLECT® insulation forms a protective barrier that prevents heat from escaping from the building. As a result, heating requirements are considerably reduced.
THERMO'REFLECT® is a moisture-repellent coating.

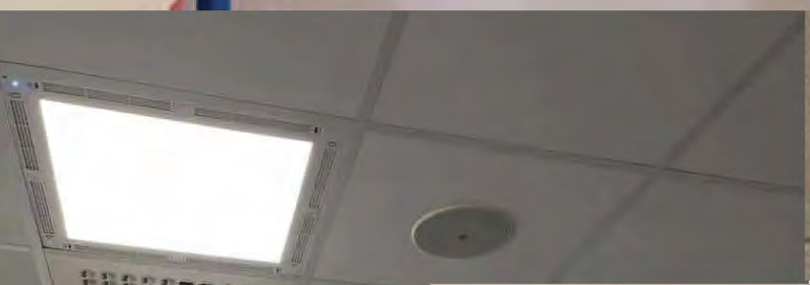


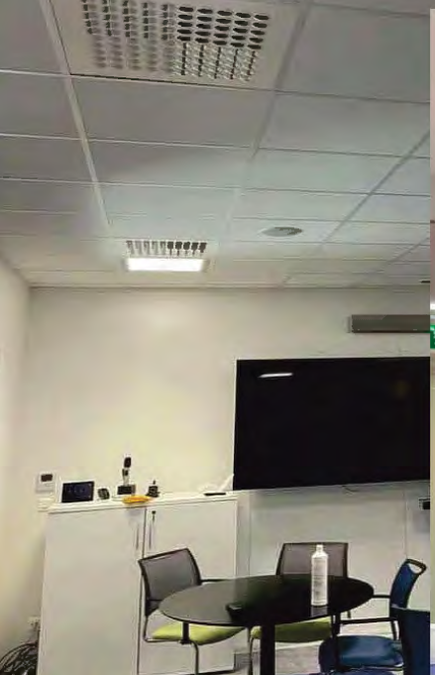


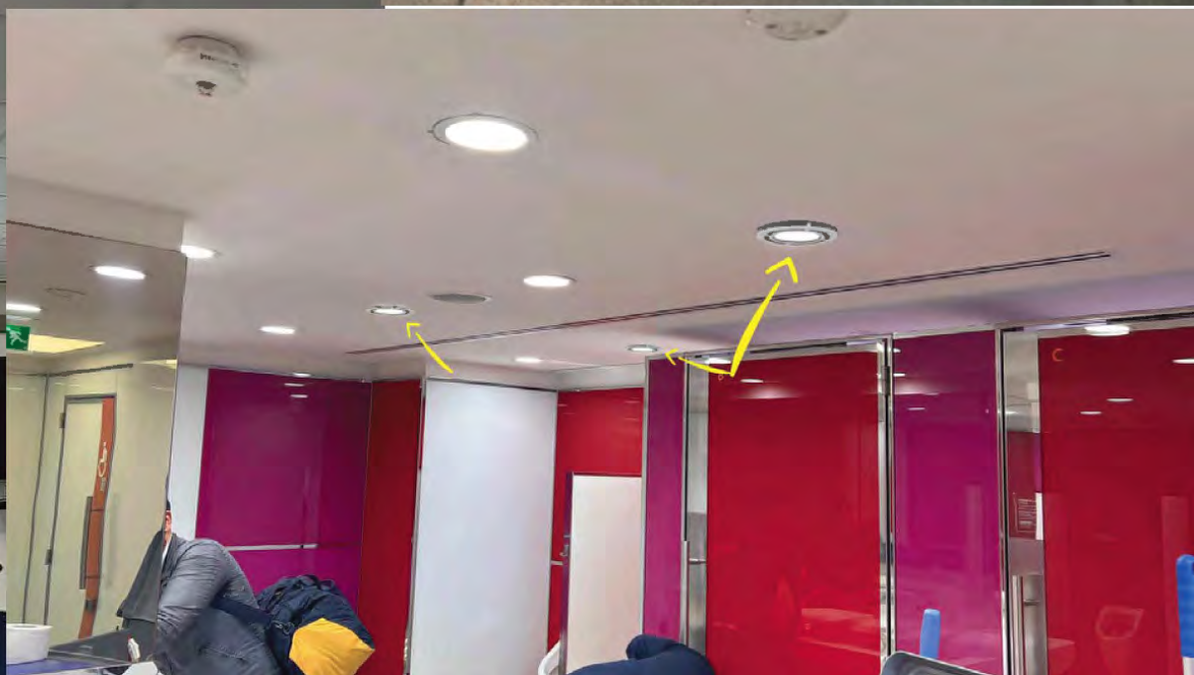
Indoor Lighting
with UV/C Disinfection System





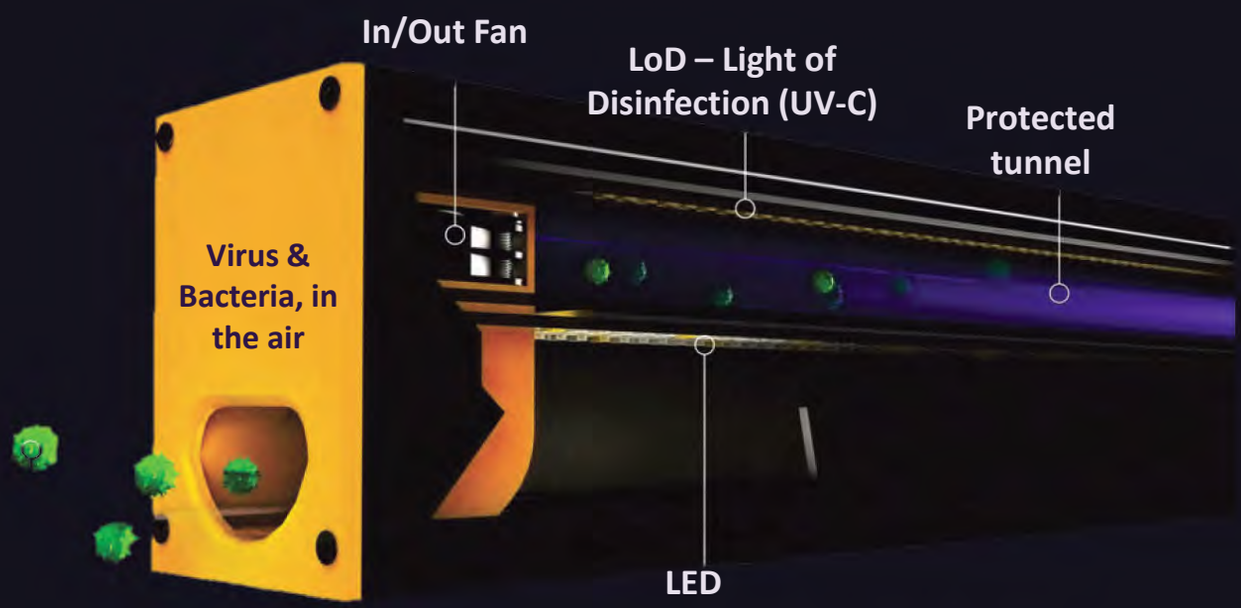


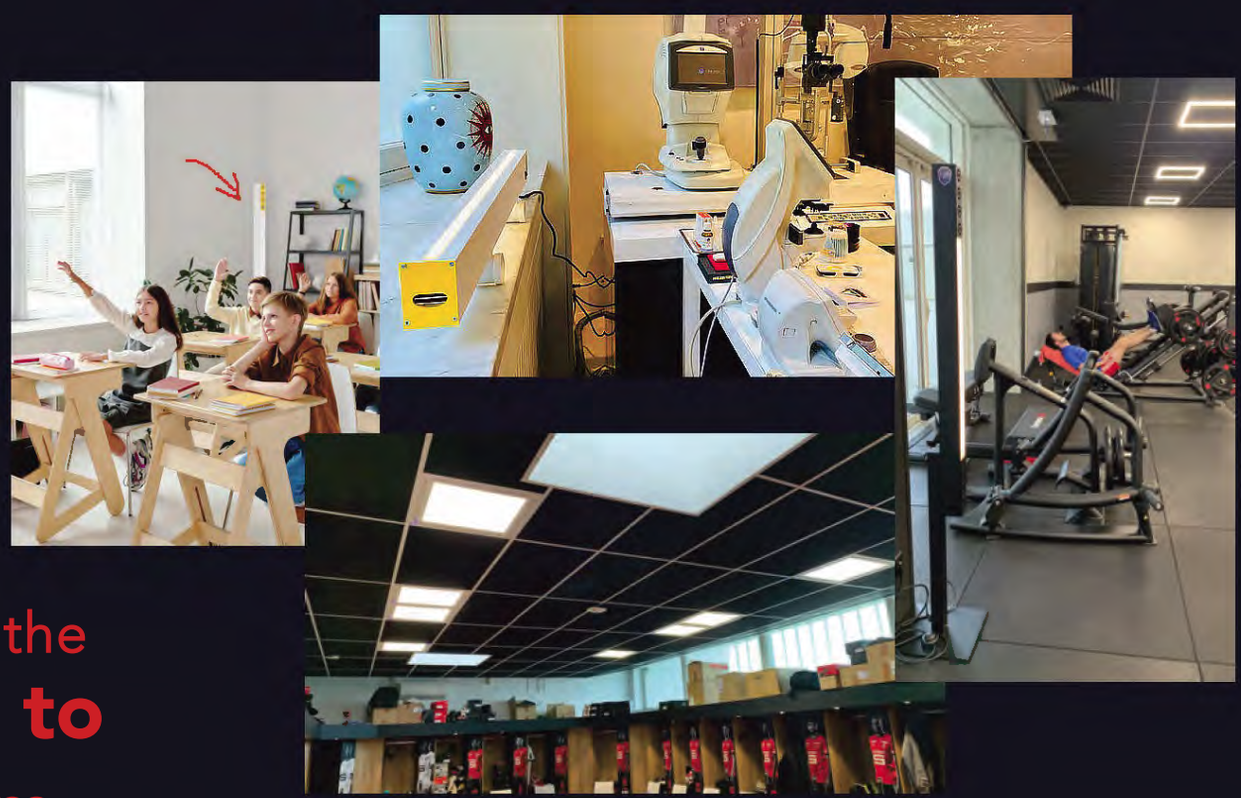




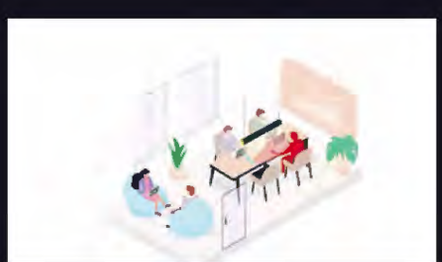
80% of virus transmission is made by healthy carriers, an alarming finding!

LOD Protect and its R&D team have developed a solution that combines light with a secured protection against viruses and bacteria in a closed environment such as offices, meeting rooms, open spaces, waiting rooms... Our technology has been tested in a P3/P4 laboratory





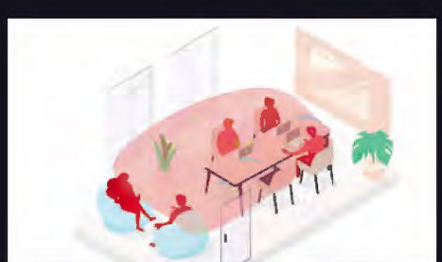
Disinfects the air from **7 to 120 sqm**



Viruses and bacteria are spread as aerosols in the air



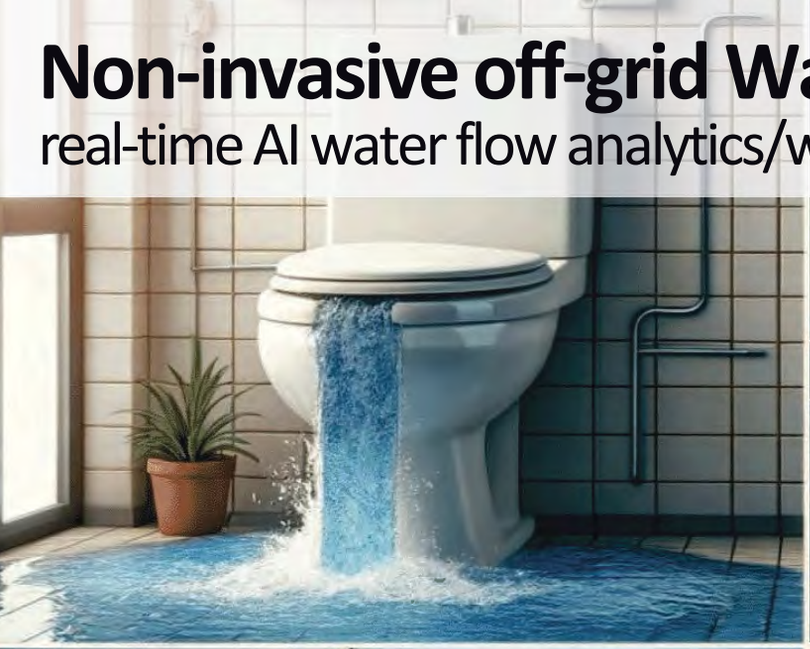
It takes less than **15 minutes for a carrier to contaminate another person**



It takes **1h to contaminate everyone in the room**

Non-invasive off-grid Water Leak Detection

real-time AI water flow analytics/warning











*Unreported and unnoticed **leakages** are a daily challenge in buildings, and represent 22% of the general **water usage***

1 in 3

buildings experience costly water leaks every year

>20%

of the total water usage covers leakages

X7

Water damage is 7x more likely than fire

Typical culprits : Toilets, water softeners, heating systems, taps, cooling towers, faulty valves, etc...

The most effective way to reduce water demand

Improve water efficiency standards across all buildings on a large scale



Using only a standard water meter, we inform property professionals how much water is wasted in their properties and provide insights to improve the situation.

22%
Average savings

12.000
Leaks detected

1 billion
Liters saved



Smart off-grid Water Flow Meter for DMA

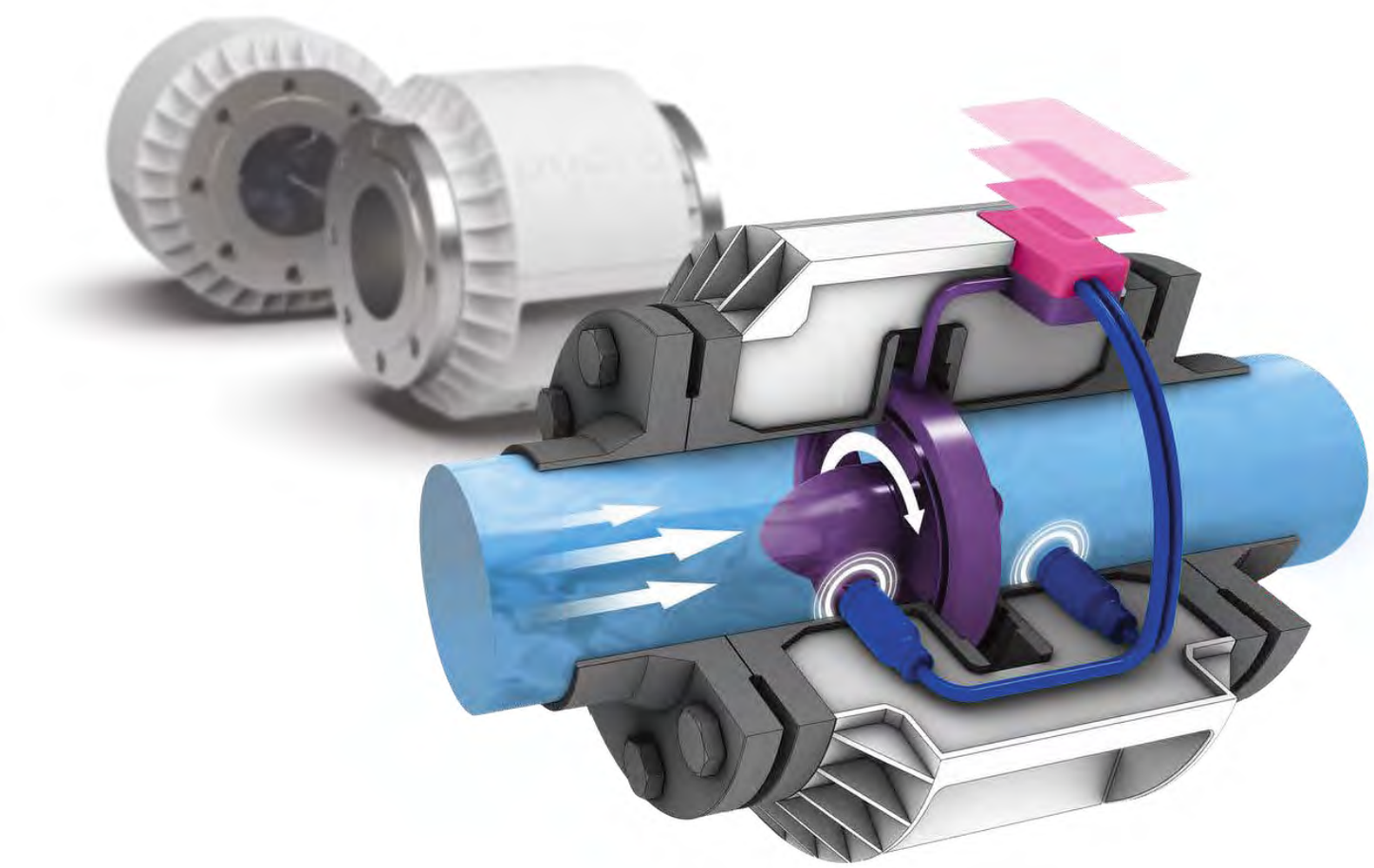
real-time flow monitoring - powered by watering

pydro WATER TO DATA



PT1 harvests energy from the water itself, measuring flow, pressure, and cumulative volume every few seconds and streaming minute-level data via LTE-M/NB-IoT.

Purpose-built for DMA zones, it installs in under 30 minutes, needs no battery changes, and gives early-warning insights for leak detection and pressure control —even in flooded chambers.



pydro

Detect leaks faster and cut OpEx, with a self-powered platform built for next-generation water networks

Self-Powered & Low Maintenance

Powered by flow — no batteries to replace, no external power, fewer site visits





High-Resolution Multi-Sensor

Measures flow, pressure, and temperature every few seconds — for real-time, high-granularity data.



Always Connected

Sends data every minute via LTE-M, NB-IoT, or 2G — with a built-in eSIM, unlimited data, and seamless SCADA/cloud integration.

- **Harvests energy with integrated hydro-power unit at point of use**
- **Integrated temperature flow and pressure measurement**
- **Leakage monitoring through real-time data**
- **Smart energy management with low pressure drop mode**
- **Real-time data transmission to any cloud-based or custom monitoring system**
- **On-device event and alert management**
- **IP68 for submersion in flooded chambers**



Mosquito active Trap for Professionals

without chemical , with real-time control

Finally, an effective solution against them* !



Municipalities
Restaurants / Cafés
Hotels
Golfs
Leisure parks
Museums
Swimming pools
Campings
...







INYO
EX MA BOITE À MOUSTIQUE

*The **elegant** solution for **effective** and **sustainable** **mosquito** control.*

How does it work?

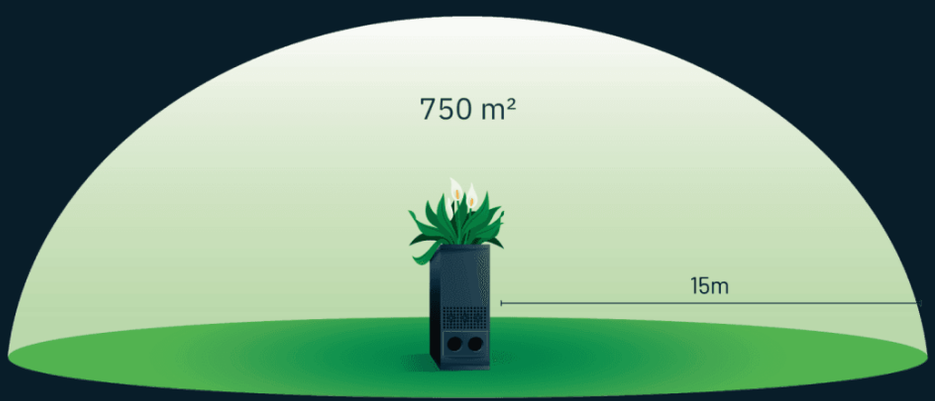
MBAM traps mosquitoes by mimicking human presence through the slow diffusion of **CO2**, and **attractants** (pheromones).

Once **drawn** to the device, mosquitoes are **sucked in** through the two side inlets and **captured** in the nets.

Our solution is designed to **significantly reduce mosquito populations.**







Protected area: 750 m²





Our range of products

- Easy to use
- Modern design with sleek lines
- Eco-friendly
- Smart and connected
- Targets only mosquitos
- Quiet operation

Battery-free, charger-free eBike

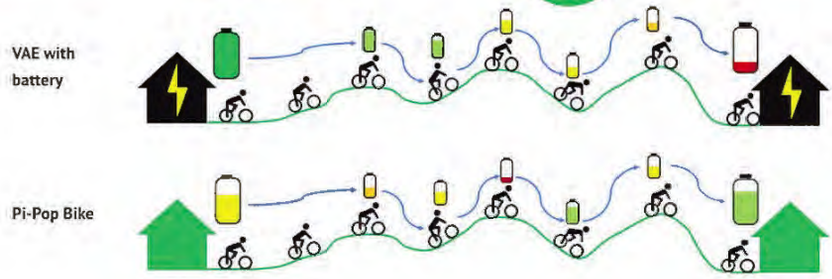
powered by quick-boosting **Supercapacitor**















The only electric bike (Electric Assisted Bike - EAB) that recovers energy and operates without a battery

WITHOUT BATTERY

Intelligent energy recovery using supercapacitors

MADE in FRANCE

Pedal freely, without battery life limits

NON FLAMMABLE

Non-inflammable

INFINITE AUTONOMY!

Pedal freely, without battery life limits

WITHOUT LITHIUM

Patented eco-friendly system without rare metals

Supercapacitors (without Lithium)

Energy recovery engine













Ultra-early stage off-grid Wildfire Detection

health & growth monitoring solutions for public and private forests



Silvaguard Geodesic Sensor Pod

New Gen4 Pro sensor

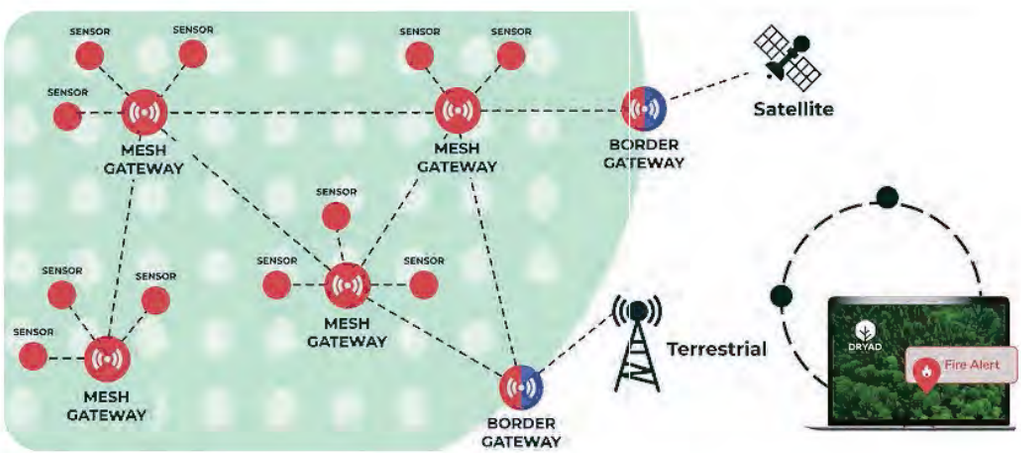
*We use a large-scale **IoT network of sensors** to detect **wildfires** and to provide valuable **forest insights** and **analytics**.*



- Detects fires at smoldering phase
- Runs on solar power & supercapacitors
- Low cost, high volume deployments
- 10-15-year lifespan maintenance-free
- AI powered EDGE computing
- IP67 waterproof

Wildfire Sensor

Solar & supercaps. Low cost with 10-15-year lifespan. AI powered EDGE computing. IP67 waterproof



Border Gateway

Internet connectivity for Mesh Network. Supports FUOTA firmware updates

Mesh Gateway

Solar & supercaps. Connect large areas with patented LoRaWAN Mesh



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Ultra-early stage off-grid Wildfire Detection *page 32*

Notes



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BALKANS BUSINESS ADVISORY Int. d.o.o.

GREEN TECH. & INNOVATIONS



greentech@bba-international.com
www.bba-international.com/greentech

SCAN ME