DIMONOFF Lighting

SMART LIGHTING CONTROL SOLUTION

FOR PUBLIC & COMMERCIAL SECTOR

About DIMONOFF

Founded in 2006 and headquartered in Canada, Dimonoff has become a pioneer and innovator of wireless control and monitoring technologies.

Dimonoff also operates a large software and IoT design house for custom R&D projects.

Dimonoff has invested in 150+ engineering man-years to create the first true multi-platform Lighting & Smart City Management System : Dimonoff | SCMS.

As a recognized major player in the sector, Dimonoff is among the top 3 leaders for smart street lighting control and is involved in 5 of the largest smart cities' projects in the world*.

*Per the most recent Enterprise IoT Insights survey of smart street lighting deployments in the world

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Our Solutions

Software
- Dimonoff | SCMS
- DOO Express

Smart Wireless Lighting Nodes
- RME
- RTM
- LNLV

Smart Sensors

Gateways

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Software
Dimonoff | SCMS

The world's first multi-platform, scalable, and easily configurable asset control, management, and analytics solution.
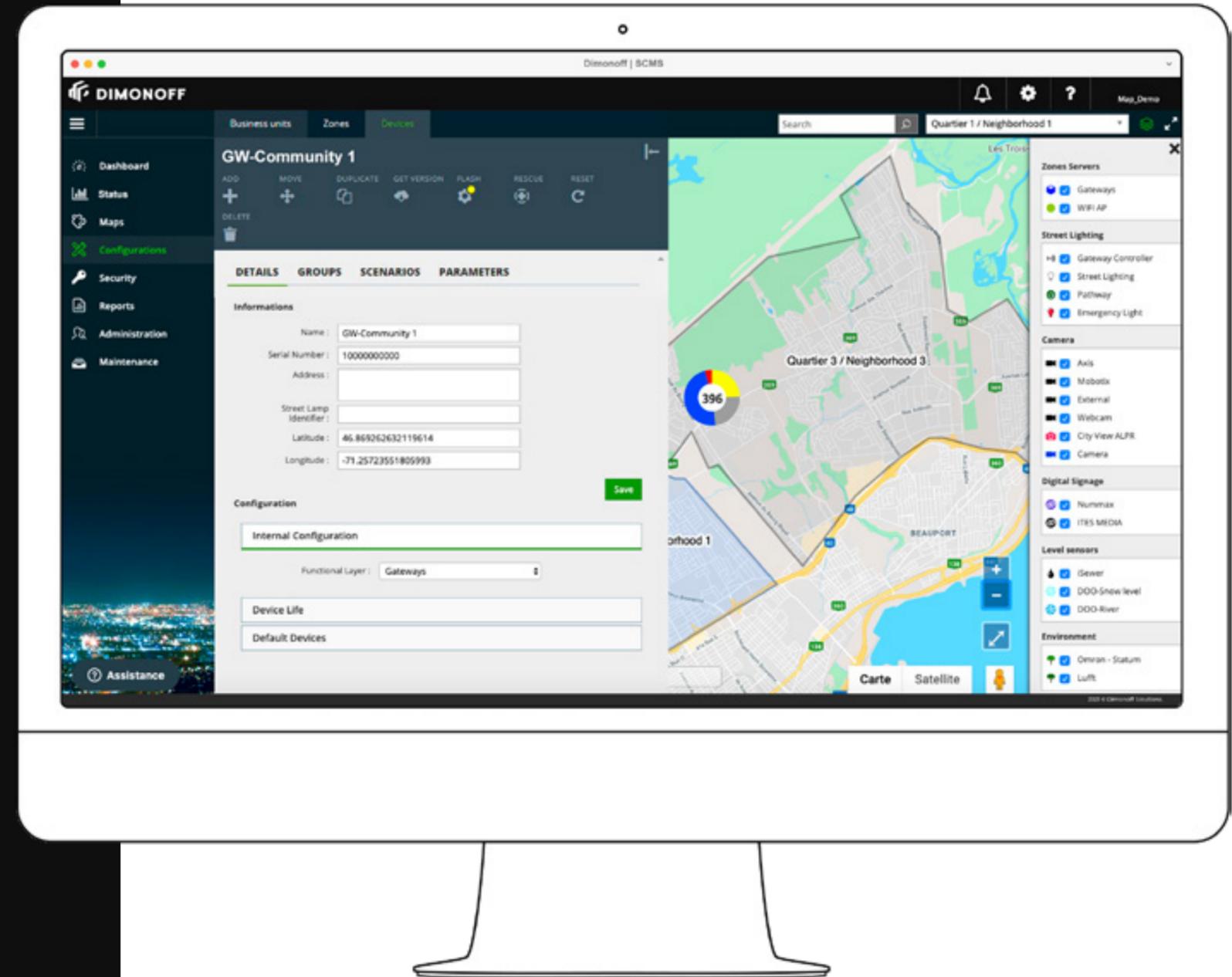
Capabilities

Enables you to effortlessly label, group, monitor, manage, and analyze lighting and non-lighting assets.

Provides the ability to control, monitor, and manage lighting controllers from vendors other than Dimonoff – you no longer are locked into using only one hardware vendor.

Enable smart parking, license plate recognition, snow/water/sewer level monitoring, gun shot and other sound recognition, car counting, live video feeds, etc.

ALL ON THE SAME SCREEN
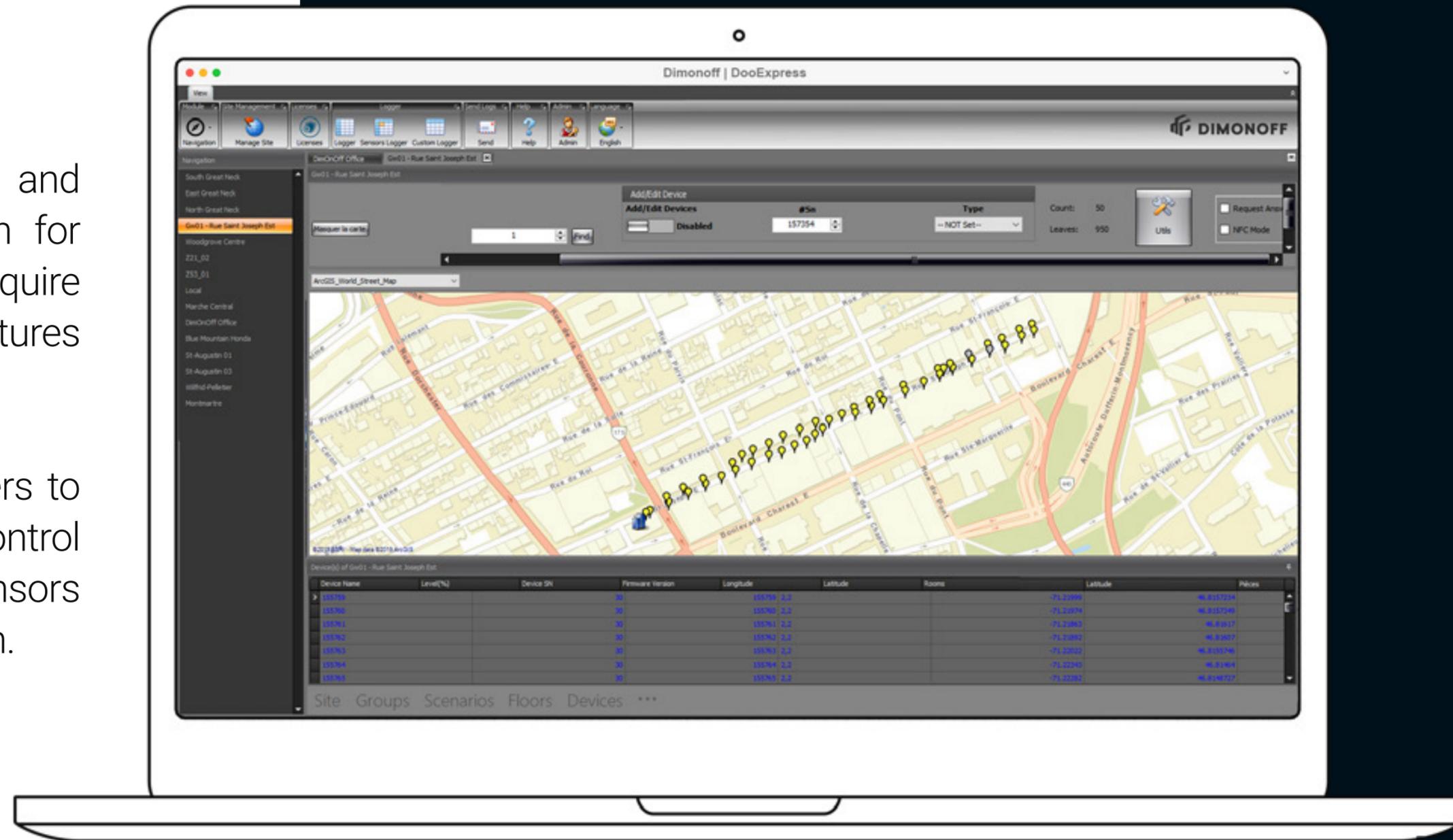WITH ONE USER INTERFACE.

Book a live demo!

☑ Installed on Cloud Server
☑ Installed on Client's On Premise Server

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Software
DOO Express

DOO Express is an intuitive and cost-effective software solution for smaller projects that do not require some of the more advanced features offered by Dimonoff | SCMS.

It allows facility or site managers to quickly and easily monitor and control their lights and associated sensors on-site or from a remote location.

Book a live demo!

☑ Installed on Client's Desktop Computer

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Wireless Smart Lighting Nodes

Our range of control nodes suit any size project from car dealerships to very large networks operated by cities, DOTs, and utilities. Our 150+ man-years of engineering focused on wireless smart lighting control provide many unique differentiators.
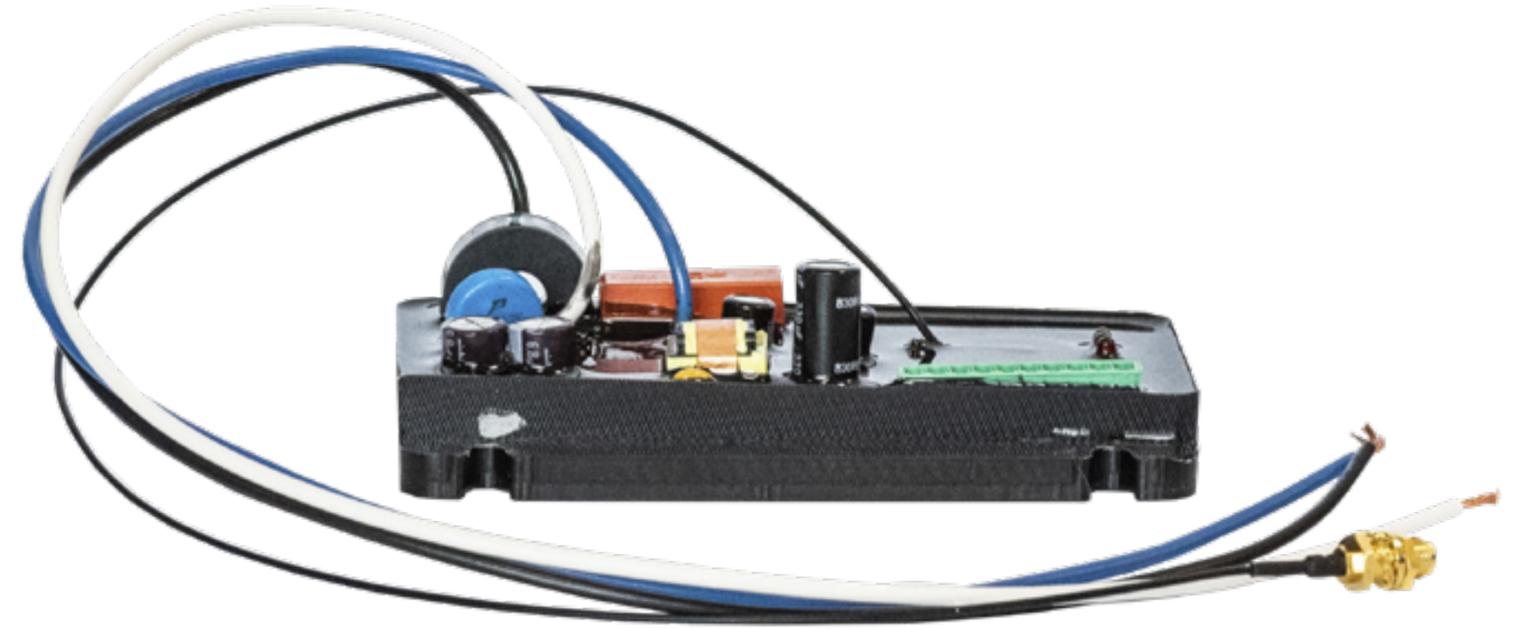
- Universal mains voltage power supply accepts 110 VAC to 480 VAC, simplifying installation, reducing field errors, and enabling quick response to field issues.

- Low voltage DC models available for solar lighting applications and LV driver output.

- Models available for 0-10V and the updated DALI 2.0 LED driver control protocol.

- Revenue-grade metering accuracy of 0.5% per C12.20 metering protocol compliance.

- Uses firmware architecture that adapts to multiple radio technologies and frequencies such as DigiMesh®, EA900, LoRa, LTE-M/NB-IoT and others.

- AMI network nodes available with specific AMI network vendors – ask us for a current list.

- All nodes store their last configuration and can be rebooted so that any multi-cast OTA update can never lock up or "brick" a device.

Product data sheets available at www.dimonoff.com

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RME

The RME is a 120V to 480V ANSI C136.41 or Zhaga Book 18 (Q2-20') lighting control module with an internal photosensor & multi voltage power supply. The optimized design and small size allow it to fit fixtures from nearly every lighting manufacturer.
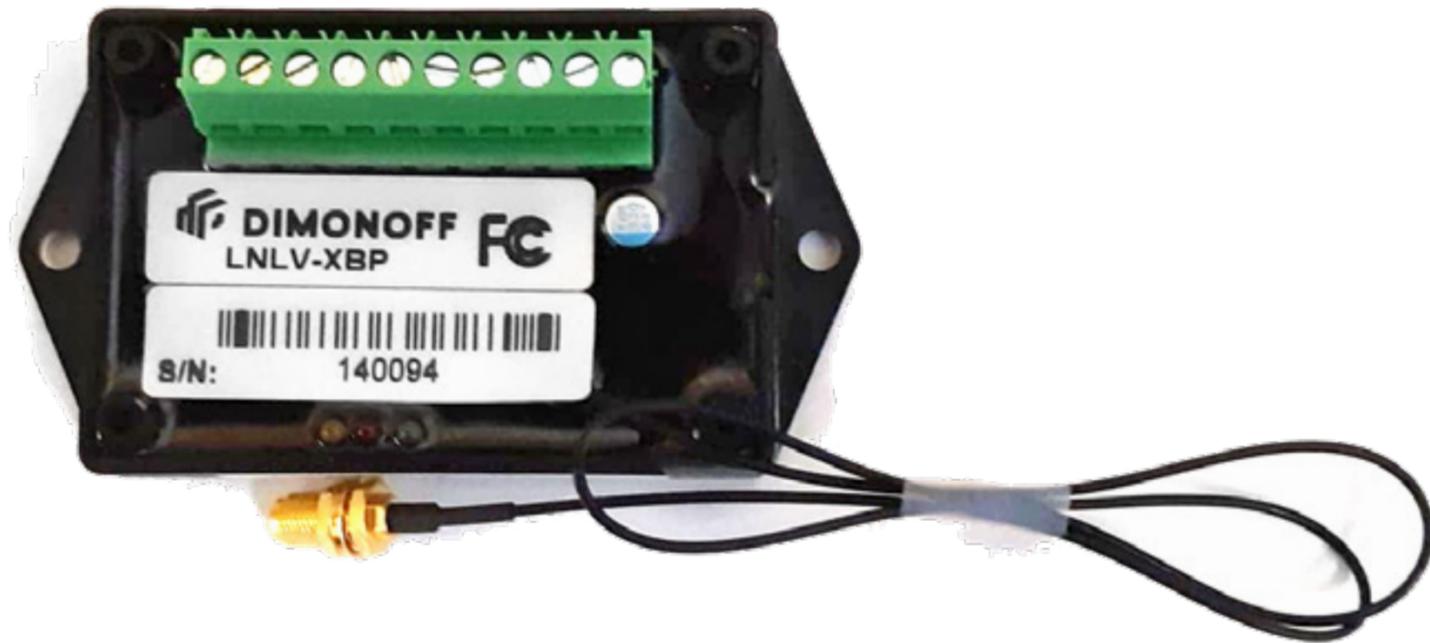
RTM

The RTM is a 120V to 480V compact module for integration inside most major decorative lighting fixtures. It also accepts multiple digital and analog sensor inputs for Smart City applications, and is IP66 rated.

2 options to control colored LEDs with the RTM: CK and DMX for commercial street lighting, building façade, or bridge lighting applications.

Product data sheets available at www.dimonoff.com

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LNLV

LNLV is conceptually similar to the RTM control module, but is powered by low voltage and offers RS232 serial communication. It is ideal for control & monitoring of battery or solar powered lights, communicating with digital displays, and distributed sensors for data collection.

Product data sheets available at www.dimonoff.com

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Smart Sensors

Dimonoff offers many different opportunities to expand the functionality of a control system through peripheral hardware and software connections to other types of systems, such as:

- Light level (lux) meters
- Occupancy sensors
- Low voltage switch inputs
- 0-10V and 4-20mA analog inputs
- RS232 serial data
- APIs to connect to other software
- Parking detection sensors
- Cameras for LPR (license plate recognition)
- Cameras for car detection in parking spaces and multideck lots
- More coming – just ask!

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Gateway

The G3+ gateway enables secure communications between Wireless Smart Lighting Nodes and Dimonoff | SCMS or DOO Express platforms. Each gateway autonomously manages a group of nodes, removing dependency on a central server for normal operation and making the system redundant and robust.

Capabilities
The G3 industrial grade gateway is capable of:

- Scheduling events at specific and/or astronomical times

- Providing real-time system status for all connected devices

- Capturing energy data logging information

- Sending out appropriate alerts to designated personnel when anomalies are detected

- Secure communications of manual queries and control operations over the network and instantaneous execution

- Supporting many wireless protocols : DigiMesh®, LoRa

- Communicating to Dimonoff I SCMS using either Ethernet or cellular link

- OTA upgrading of communications and security protocols (commercial and industry grade).

- BACnet/IP compatible

Product data sheet available at www.dimonoff.com

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The preferred IoT partner for smart lighting projects.

Our Commitment

Easy installation, commissioning and operation of your smart lighting infrastructure.

How Did We Start?

We started in 2006 with a vision to provide innovation, research and development and integrate solutions to answer pressing modern challenges: lighting, mobility, security, environment and citizen experience.

Where We Are Now?

We are now a major player in the sector of smart cities and IoT with a depth of expertise unparalleled in the industry.

6+	18+	375+	850k+	100%
Countries	Years of experience	Major projets completed	Products delivered	Made in America

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"Dimonoff invests in solving real world pressing issues. Our partners share the same values and understand that the type of technology we are developing can help cities, utilities and businesses provide services that increase the sustainability, safety and quality of life.

Let's do this together!"

Bernard Têtu, CEO, Dimonoff

Book a live demo!

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