iLamp

iLamp.com
(not yet operational)

iLamp Roadmap for Puerto Rico

This document covers information required to build a road map to commercial viability for the iLamp territorial license for the Puerto Rico

iLamp

Puerto Rico Population
3.2 Million

Required Streetlights
320,600

Puerto Rico GDP
$117.9 Billion

Street lighting is the single largest source of carbon emissions from local government, accounting for 30-60% of their total emissions.

Enhanced lighting leads to significant and sustained reductions in both night and daytime outdoor crimes with a benefit cost ratio of 5.1–10.8.

On residential roads accidents are 58% more likely to be fatal in areas without street lights.

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Puerto Rico, with its ongoing recovery efforts and ambitions to achieve 100% renewable energy by 2050, faces unique challenges in energy resilience, public safety, and economic revitalization. Severe hurricanes in recent years have underscored vulnerabilities in infrastructure and the critical need for reliable electricity in all communities. iLamp offers Puerto Rico a transformative solution that aligns with the island's push for cleaner energy, greater resilience against extreme weather events, and new avenues of local economic growth.

iLamp's autonomous, solar-powered operation is an ideal match for Puerto Rico's energy landscape. Because the island's grid has experienced repeated outages following major storms, iLamp's off-grid capability delivers consistent lighting and power in areas with unreliable or nonexistent electricity. Its rapid, trenchless installation ensures minimal disruption and allows for swift deployment across urban centers and remote communities alike. The system's compatibility with microgrid solutions further reduces dependence on expensive fossil fuels, lowering power costs and enhancing overall energy security.

Streetlighting has long been recognized as one of the most cost effective and impactful infrastructure investments. The presence of well lit streets deters criminal activity and creates safer environments, enhancing neighborhood livability and overall public confidence. Better illumination also helps reduce traffic accidents, protecting motorists and pedestrians alike, and it allows businesses to extend operating hours into the evening. These benefits are particularly important for Puerto Rico's broader economic recovery, as improved public safety and increased commercial activity can attract investors and visitors, fostering a more vibrant and resilient society.

A key element of iLamp's vision for Puerto Rico is local manufacturing, which can stimulate economic development in several ways. By establishing production facilities on the island and forming partnerships with Puerto Rican suppliers, iLamp generates skilled jobs, keeps profits in local communities, and builds valuable technical expertise. Local production also reduces the cost and logistical burden of importing infrastructure components from abroad. As Puerto Rico develops these capabilities, it can strengthen its

> *Creativity is the power to correct the seemingly unconnected.*
> - William Plomer

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Estimated Streetlights
180,000

Streetlight Shortfall
140,600

Puerto Rico Area
5,320 Sq Mi

Streetlights account for approximately 20-40% of a city's total energy expenditure, making them one of the most significant energy costs for urban areas.

ELS Compliant street lighting enhances public health by encouraging physical activity, supporting safe movement after dark, fostering a greater sense of security, and reducing anxiety, thereby creating healthier and more vibrant communities.

industrial base and potentially expand exports of sustainable technologies to other markets in the Caribbean region, enhancing the island's economic standing while promoting green innovation.

In addition to curbing crime, iLamp offers sophisticated real-time monitoring and reporting features that collect data on traffic flows, environmental conditions, and public safety. Local governments can use this information to optimize infrastructure investment, schedule maintenance more efficiently, and bolster emergency services, particularly during weather-related crises. These capabilities align with Puerto Rico's pursuit of "smart city" initiatives by providing the technological framework necessary for advanced urban planning and robust disaster preparedness.

iLamp's reliance on solar energy directly supports Puerto Rico's mandated transition to 100% renewable energy by 2050. By drawing power from the sun, iLamp decreases greenhouse gas emissions and cuts down on the use of diesel generators and other carbon-intensive resources. Its modular design facilitates easy upgrades as new technologies emerge, ensuring that iLamp remains adaptable to Puerto Rico's evolving energy requirements. Such long-term sustainability translates into financial savings for municipalities and consumers while addressing the broader goal of mitigating climate change at the local and global levels.

Extended lighting hours have a far-reaching impact on daily life in Puerto Rico. Children can study in well-lit environments, leading to better educational outcomes. Residents benefit from safer communal spaces where social, cultural, and recreational activities can continue after dark. In remote regions, iLamp also has the potential to serve as a communication hub, helping isolated communities remain connected and informed, which is particularly crucial during emergencies. These community benefits reinforce the island's commitment to inclusive growth and social resilience.

As Puerto Rico advances, iLamp stands ready to illuminate a brighter, more secure future for all who call the island home.

The iLamp

What is iLamp?

iLamp is a groundbreaking, self powered, modular, and enhanced lighting solution designed to address multiple urban challenges. By integrating autonomous power generation capabilities, and monetizing them iLamp is easy to install anywhere and alleviates grid strain, contributing to energy sustainability. By using Power as a Service to bill for this energy, iLamp generates its own revenue. Its modular design supports a wide range of smart city applications, offering further monetization opportunities and revenue streams and making it a future proof solution for urban infrastructure.

Equipped with low profile, cylindrical solar panels, iLamp harnesses renewable energy, storing it in batteries for efficient distribution. This setup powers street lighting but also supports various smart sensors and modules, eliminating transmission costs and reducing emissions to zero.

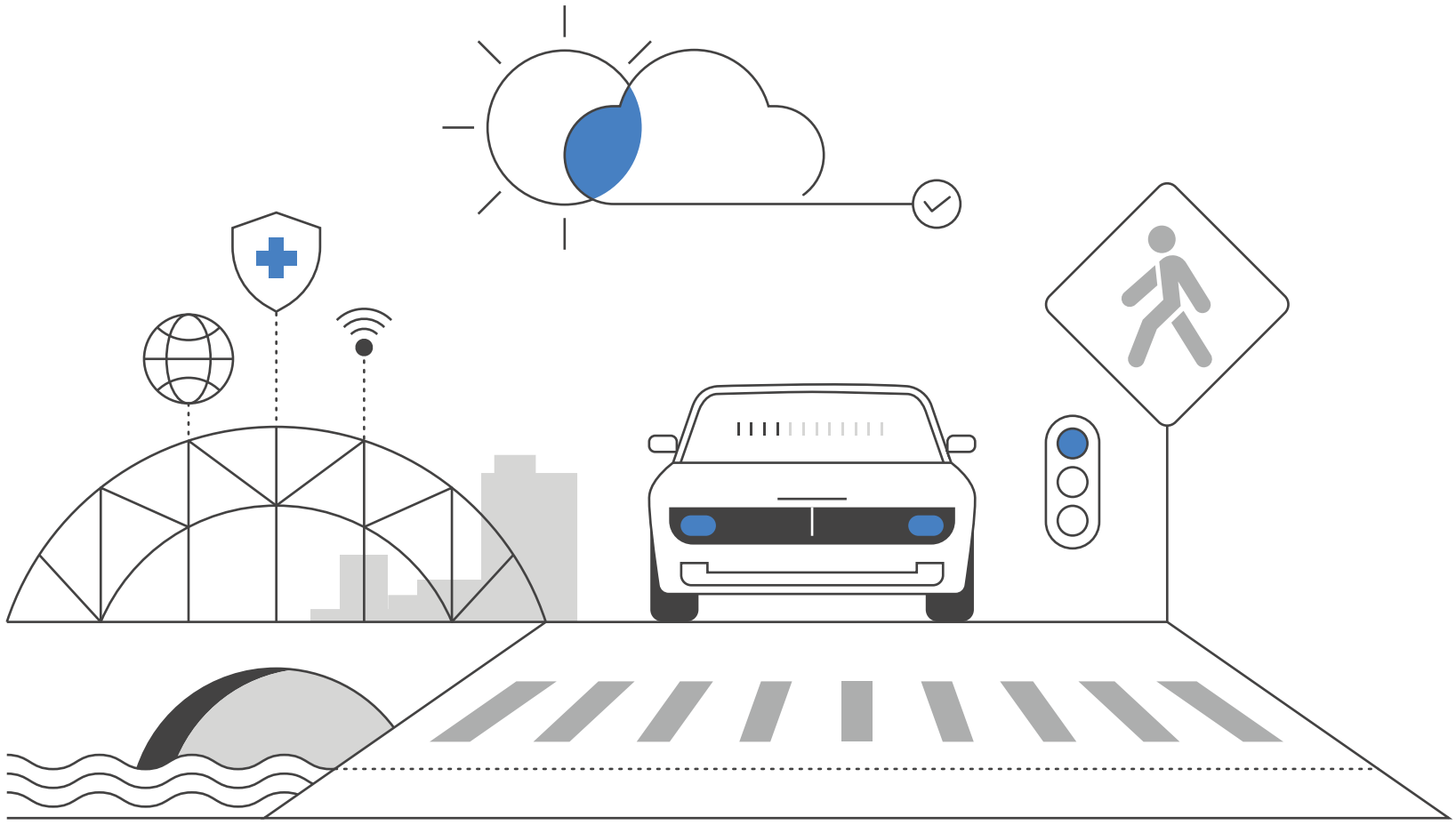
Each iLamp is customizable to meet the needs of different neighborhoods-supporting add-ons like 5G WiFi, traffic management, CCTV, environmental sensors and a plethora of other modules, sensors and software. This modularity ensures a quick, plug-and-play setup, making it adaptable and future proof and providing licensee's with various upsells and benefits.

iLamp qualifies as enhanced street lighting, which has been shown to reduce crime by 20-40%. Implementing iLamp can therefore significantly reduce various crimes and improve public safety which improves quality of life and stimulates local economies.

Through it's App and Module Stores, iLamp is a dynamic framework for unlocking hardware and software ingenuity, similar to how Google Play and Apple App Store revolutionised smartphones capabilities.

iLamp is not just a streetlight; it is a comprehensive urban solution and strategy designed to enhance safety, sustainability, and spur economic growth. By leveraging advanced technology and modular design, iLamp offers a future proof infrastructure that adapts to evolving needs, making countries, cities, towns and neighbourhoods around the globe safer, more attractive, and better connected.

Whether through crime reduction, safety, economic stimulation, or health and environment benefits, iLamp stands as a beacon of innovation in urban development, illuminating the future it unlocks.



The iLamp

Why iLamp?

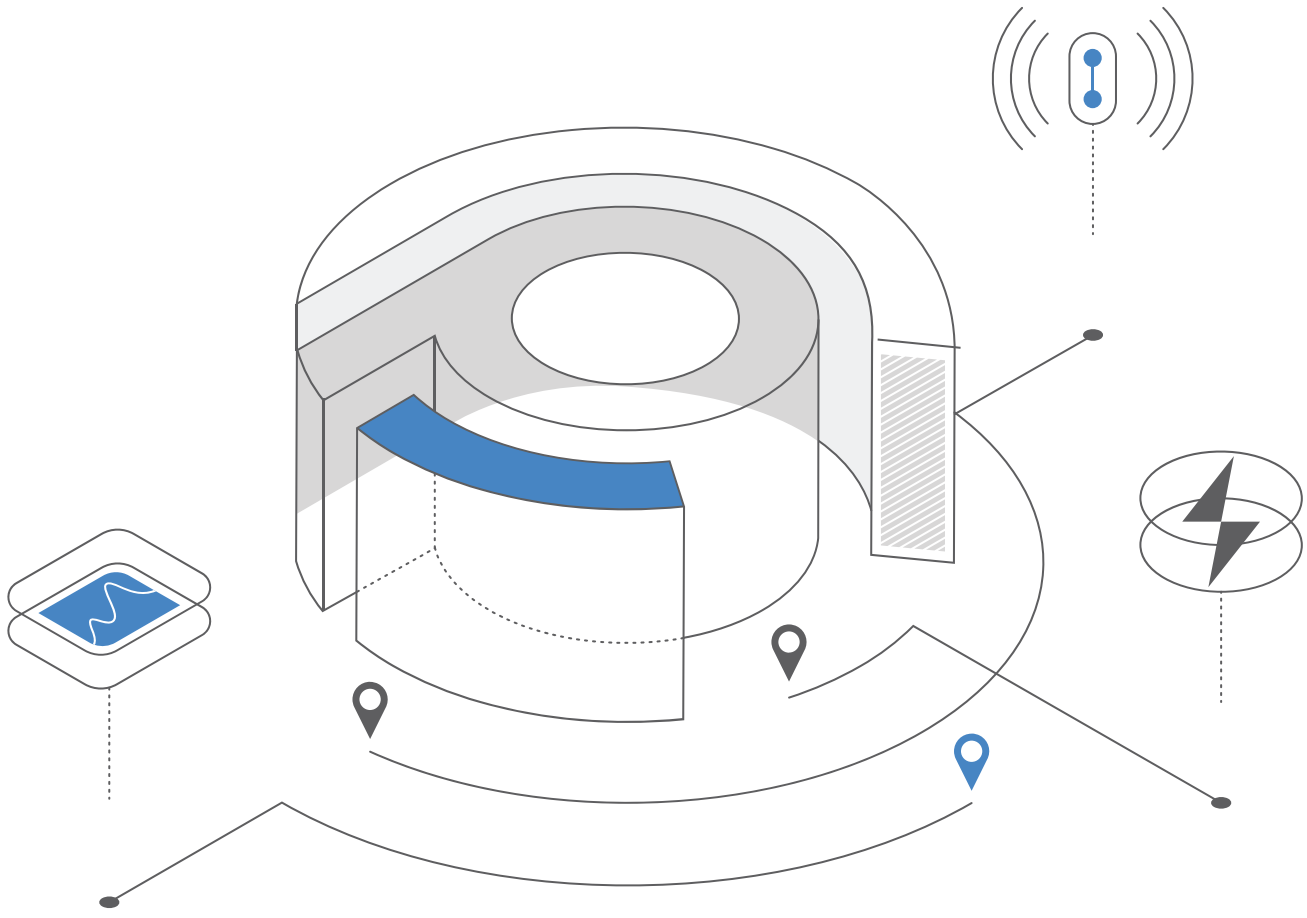
iLamp has a transformational effect on communities making them safer, more prosperous, social and desirable. It is the single most cost effective improvement any country, city, town or neighbourhood can make, offering multifaceted benefits that dramatically outweigh its costs.

Saves Lives: On both streets and the road. Pedestrian and driver fatalities are 58% more likely on unlit roads. By providing enhanced illumination iLamp protects both the community and road users.

Decreases Crime: iLamp improves visibility, studies have shown that this enhanced street lighting leads to sustained reductions in crime rates of over 40%. Implementing iLamp improves crime rates, deters potential crimes, creating safer, more welcoming public spaces that can be used after dark, encouraging outdoor activities, social interactions and commerce.

Increases Property Values: Street lighting correlates with increased property values - with each 1% reduction in crime leading to an approximate 0.5% to 1% increase in property values.

Creates Jobs: iLamp sublicensing creates and inspires local jobs that keep money within the communities they serve, creating a virtuous cycle. Sublicensing can be made available down to a neighbourhood or zip code level.



The Power of Conflow

Flagship Product of a Global Technology Aggregator

iLamp is the flagship product of the Conflow Power Group, a company with extensive global manufacturing capabilities, years of experience in product development, electronics, technology aggregation and strategy. Conflow Power Group focuses IoT and smart city solutions, owning several key technologies that make iLamp possible, ranging from advanced electronic modules and power management systems to battery monitoring, automatic lighting, LED technologies and software.

Conflow Power Group collaborates with several external developers to adapt their technologies for iLamp, providing a comprehensive development kit and specifications to support these innovations. This collaboration has led to a robust, established ecosystem surrounding every key aspect of streetlighting. Additionally, iLamp integrates a variety of smart city applications, making it the most comprehensive streetlighting solution available.

The company is committed to future innovation, with several new products in development, continually enhancing the capabilities and applications of iLamp. This ensures that iLamp remains at the forefront of smart city technology, offering unmatched performance and versatility in lighting solutions. iLamp is not only a product, but a strategy that has spawned an entire ecosystem of revenue generating activity for license holders to participate in.

The Puerto Rico Opportunity

Puerto Rico faces unique challenges in energy access, infrastructure, and community safety. Repeated hurricanes have severely disrupted the power grid, leaving many communities without reliable electricity. These constraints affect public safety, economic development, and overall quality of life. Enter iLamp Puerto Rico, a smart streetlight solution offering a resilient, grid-independent approach to lighting, energy, and innovation, all tailored to the island's needs.

Lighting the Way for Safer Communities

Crime and safety remain pressing concerns in Puerto Rico, where unreliable or nonexistent street lighting can heighten risks in both urban centers and rural areas. iLamp, certified with the Enhanced Lighting Standard (ELS), has demonstrated the capability to reduce crime by up to 40%. Its self-powered, solar-based system provides consistent illumination—even during extended power outages—ensuring neighborhoods have a dependable source of light that safeguards residents, saves lives, and fosters community trust.

A Self-Sufficient Energy Solution

Unlike traditional streetlights that depend on an aging grid or costly diesel generators, iLamp generates its own electricity through self-cleaning cylindrical solar panels. Built to withstand Puerto Rico's challenging environmental conditions—hurricane-force winds, torrential rain, salt air, and flooding—iLamp operates seamlessly throughout the year. Each unit functions as a miniature microgrid, producing clean energy where it is needed most,

reducing reliance on fossil fuels, and lowering long-term energy expenses for communities.

A Platform for Local Innovation

iLamp is more than a streetlight. Its modular design and integrated sensors enable advanced features, including environmental monitoring and public safety applications, customized to address local challenges. Developers can create plug-and-play modules and publish them on the iLamp App Store, driving technological innovation while generating revenue. This model transforms iLamp into a dynamic marketplace for solutions, allowing communities across Puerto Rico to harness cutting-edge technology to solve real-world problems—from flood detection to air quality monitoring.

Supporting Puerto Rico's Energy Transformation

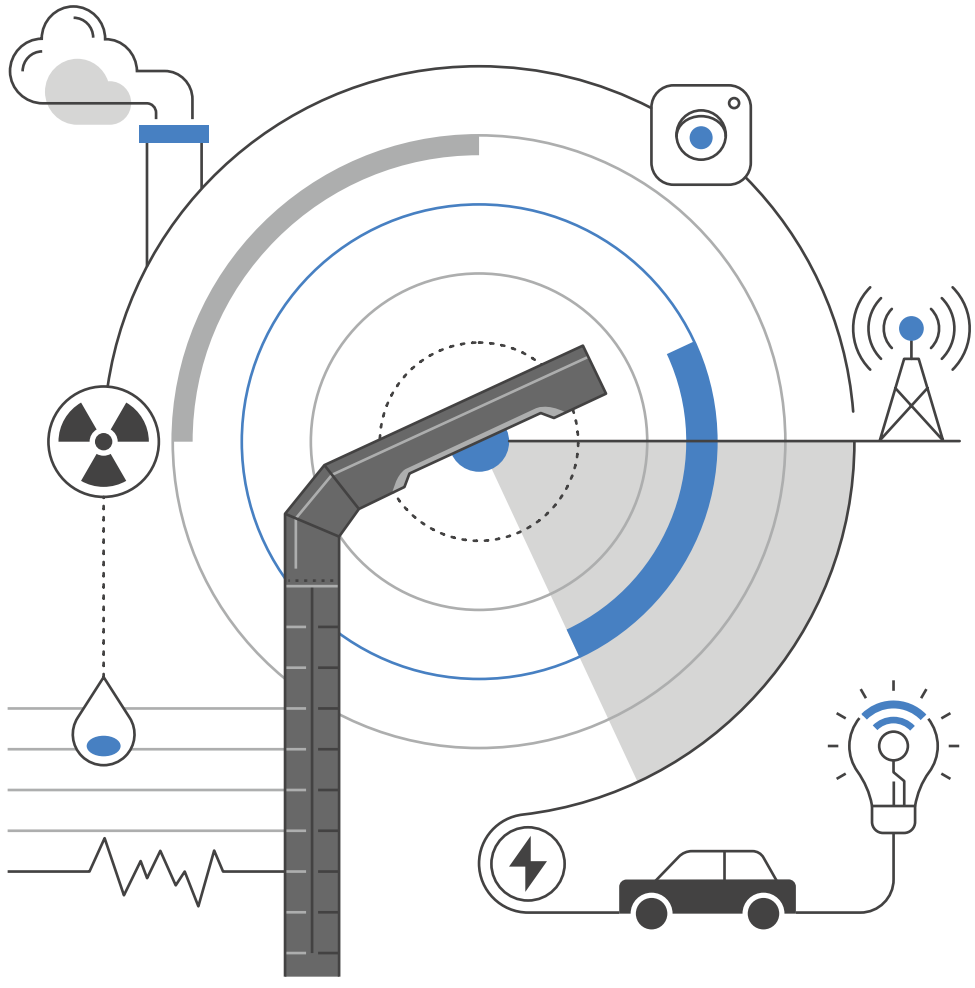
Puerto Rico's energy landscape is undergoing a transformation, driven by ambitious goals to achieve 100% renewable power by 2050 and phase out coal-fired generation by 2028. Despite these commitments, the island's current grid remains vulnerable to natural disasters and relies heavily on imported fuels. iLamp addresses these obstacles by offering localized, renewable energy options that accelerate Puerto Rico's march toward greater energy independence—an essential step in strengthening resilience against future storms and boosting local economic prospects.

Economic Growth Through Local Manufacturing

In tandem with its technological advantages, iLamp plans to establish micro-factories in Puerto Rico to foster local production. These facilities will create jobs, provide hands-on training, and enable communities to customize streetlights to fit their specific needs. The high-mix, low-volume manufacturing model not only curbs transportation costs and environmental impact but also allows iLamp to embrace the diverse character of Puerto Rico's neighborhoods while spurring sustainable industrial development.

A Brighter, Resilient Future for Liberia

iLamp Puerto Rico represents far more than just an infrastructure upgrade; it offers a path toward a safer, stronger, and more sustainable future for the island. By addressing chronic energy shortages, reducing crime, and nurturing homegrown innovation, iLamp empowers communities to thrive and draws Puerto Rico closer to its renewable energy targets.



Public security and health

Road Safety & Traffic

iLamp improves road safety, decreasing road fatalities of both road users and pedestrians. iLamp's optimal lighting enhances safety during peak low light hours and adverse weather conditions. Modular camera and communi-cations systems can help monitor traffic, detect potential hazards, and improve response times to accidents, improving road safety and reducing traffic.

Pedestrian Safety & Crime Deterrence

iLamp deters crime and increases pedestrian visibility by providing lighting in areas such as sidewalks, crosswalks, and public tra=nsportation stops. Modular cameras can be used to monitor pedestrian movement and help identify potential hazards or security threats in real time ensuring safer pedestrian environments.

Weather Monitoring Module

Weather sensors can detect changing weather conditions, such as storms, fog, rain, or snow, and adjust the intensity and distribution of light accordingly. This adaptability enhances visibility for drivers and pedestrians in adverse weather conditions, further improving public safety.

Air Quality

Air quality monitoring can help track pollution levels in real time, allowing authorities to implement appropriate measures to limit exposure and maintain a healthy environment. By monitoring and addressing air quality concerns, iLamp contributes to improved broader public health and well being.

Communications

Communication modules can both expand telecoms coverage and facilitate the transmission of critical information to the relevant authorities and emergency services in case of accidents or security incidents. creating a comprehensive and interconnected network enabling authorities to monitor and manage various aspects of urban living more effectively. This network of sensors can lead to improved decision making, more efficient use of resources, and a better understanding of the

Light Polution Reduction

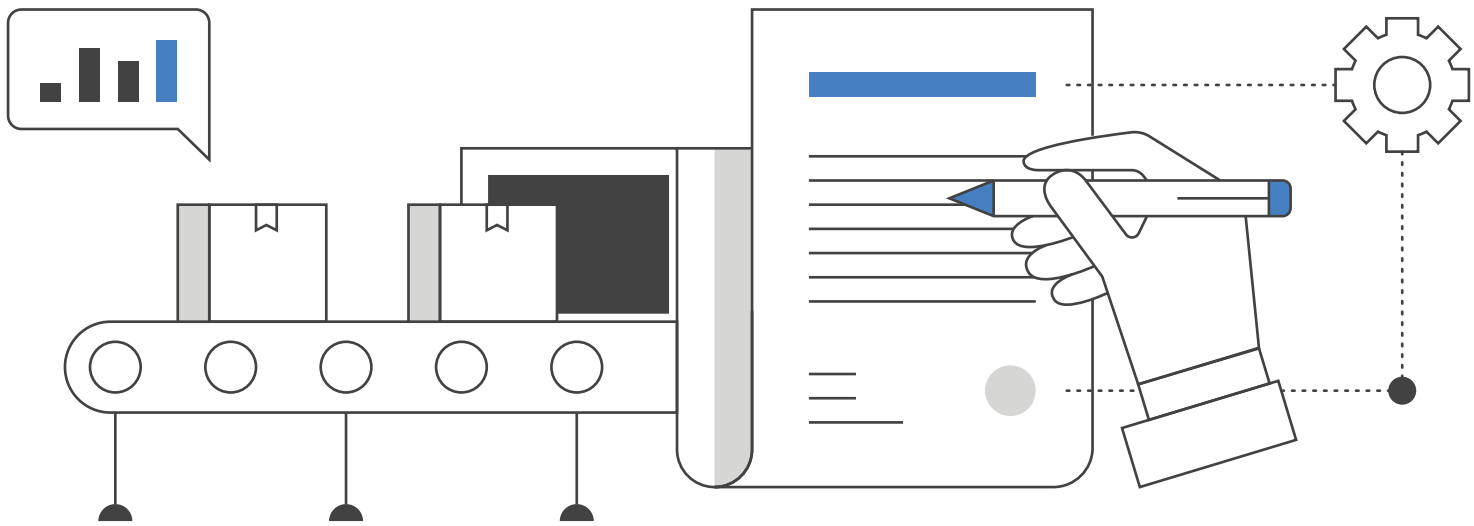
The adaptive lighting capabilities of iLamp can minimize light pollution by adjusting brightness levels according to the time of day and surrounding conditions. This can contribute to a better night-time environment, reducing the impact of artificial light on wildlife and human health.

Integration with Existing Infrastructure

iLamp technology can integrate with existing sensors and infrastructure, allowing for enhanced data collection and analysis. By connecting iLamp with sensors a modules facilitating parking, traffic management, telecommunications structural, UV and noise monitoring, fire, leak and flood detection, grid management and many more.

Public Protection

iLamp can host smoke, gas, gunshot detection, thermal imagine and communications modules, enabling the quick detection of public safety hazards, such as wildfires, shootings, gas leaks or explosions, these can then be relayed in real time via the communication module to the relevant authorities, enabling faster, more targetted and data driven responses.



License holder benefits

1. First Refusal on Conflow Power Group Innovations:

Territorial holders will be at the forefront of any technological advancements or innovations developed by the Conflow Power Group. This means that before any new feature, product, or service is rolled out to the broader market, territorial holders have the exclusive opportunity to adopt, integrate, or decline them. This not only provides an edge over potential competitors but also ensures that each territory is equipped with the latest in energy and infrastructure solutions.

2. Local Manufacturing Capabilities:

One of the standout privileges for territorial holders is the ability to establish local manufacturing units. This initiative not only contributes to local economic growth but also ensures quicker response times for installations, maintenance, and replacements. With local manufacturing, territorial holders can control the quality, reduce delivery times, and tailor-make solutions suitable for their region's specific needs.

3. Comprehensive Rights Granted

Rights to manufacture, distribute, market, sell. iLamp. Rights to operate the iLamp App and Module stores. Rights to operate PaaS contracts. Rights to a supply line for a guaranteed number of lamps.

Competitive Edge Against iLamp HQ:

By establishing local manufacturing, territorial holders, depending on local market conditions, may be able to produce iLamps at competitive prices, thereby posing healthy competition to iLamp HQ via the allowed sale of

these lamps to other territories. This encourages market dynamics that can lead to additional revenue streams, as well as continuous improvements in the product, better pricing strategies, and an overall enhanced offering for end customers.

4. Access to Wider Network of Territorial Rights Holders:

Being a territorial rights holder means more than managing a region; it's an entry point into a global network of iLamp territories. This worldwide community unlocks avenues for collaborative projects and joint ventures but also creates a global marketplace where territories can showcase their own modules, technologies and solutions.

5. Distributing Locally Developed Technologies:

Territorial holders aren't restricted to what iLamp or Conflow offers. They can innovate, create, or license their own technologies for integration into the local iLamps. Once developed, they can distribute these innovations to other territorial holders both nationally and internationally. This not only diversifies their revenue stream but also places them in a position of influence within the iLamp community.

6. Charging Margins on Distributed Technologies:

When distributing their locally developed or licensed technologies to other territories, holders can charge a margin on those solutions. This is a direct revenue generation model that rewards innovation and the entrepreneurial spirit of the territorial holder.

7. Early Mover Advantage:

Territories that adopt iLamp's solutions early will naturally have a head start. As pioneers they gain first hand experience, establish best practices, and develop a robust infrastructure that later entrants will look to emulate. This experience positions them strongly not just as market leaders in their territories but also as potential consultants or partners for newer entrants.

8. Preferential Rates on Modules and Software Solutions:

One of the defining advantages for territorial holders is access to preferential rates on various modules and software solutions. iLamp HQ, recognizing the strategic importance of territories and their contribution to the global

ecosystem, extends these rates as a token of partnership and collaboration.

When iLamp HQ or any other territory negotiates with third-party vendors or develops in-house solutions, the benefits of bulk purchasing or shared development costs are passed on to the territorial holders. This means lower acquisition costs, which can be a substantial financial benefit.

9. Collective Bargaining Power:

The collective might of all the territorial holders allows them to exert a greater influence when negotiating rates or features with software and module providers. This collaboration ensures that all territories, irrespective of their individual size or bargaining power, get to leverage the combined strength of the entire iLamp community.

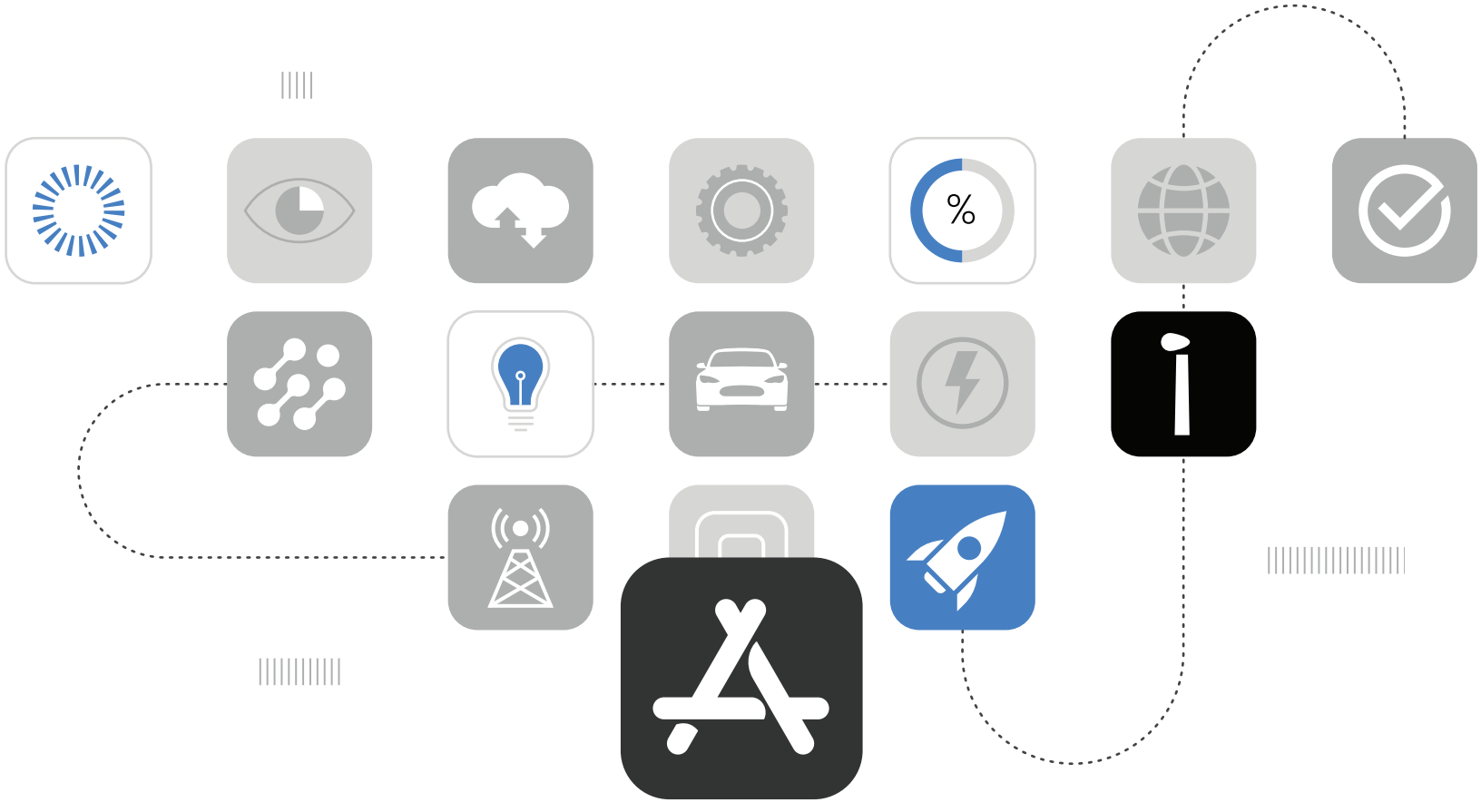
10. Access to a Repository of Solutions:

Territorial holders will have access to a vast repository of modules and software solutions developed or sourced by iLamp HQ and other territories. This curated collection ensures that territories do not have to start from scratch or waste resources in reinventing the wheel. They can simply choose from tried and tested solutions, making the deployment faster and more efficient.

11. Continuous Updates and Upgrades:

Technology is ever-evolving, and in the world of smart urban solutions, staying updated is crucial. Territorial holders will continuously receive updates and upgrades on the modules and software solutions from both iLamp HQ and other territories. This ensures that the iLamp infrastructure in each territory remains modern, efficient, and in line with the latest technological advancements.

Territorial holders of iLamp are in a prime position to not just capitalize on the opportunities provided by Conflow Power Group but also to shape the future direction of energy solutions in their region. Their benefits extend beyond revenue generation to establishing a stronghold in the ever-evolving world of sustainable energy solutions.



iLamp App Store for Urban Innovation

iLamp stands at the forefront of urban technological evolution, akin to how the Google Play and Apple App Store redefined the landscape of software applications. iLamp transcends its primary function, unfolding as a dynamic framework for both hardware and software ingenuity.

Innovative Solutions

In the iLamp ecosystem combinations of hardware and software create transformative solutions for urban challenges. For instance, integrated microphones in iLamps enable a software application for gunshot detection and triangulation, providing precise location data for rapid law enforcement response, enhancing public safety. Similarly, iLamps equipped with smoke and heat sensors can detect early signs of forest fires, allowing for prompt alerts to residents and emergency crews, significantly mitigating fire damage and safeguarding communities. Motion sensors and cameras on iLamps optimise traffic flow through AI-driven analysis of traffic patterns, reducing congestion and accident risks, and contributing to a more environmentally friendly urban environment. These examples exemplify iLamp's potential in revolutionising urban living through smart, integrated technology solutions.

Empowering Local Innovation, Impacting Globally

While iLamp's immediate influence is local, enhancing public spaces with smart lighting, its potential for global technology dissemination is significant. This model encourages local developers to contribute to a growing repository of modular solutions, potentially setting new standards in urban technology and smart city development.

Creating a Sustainable Ecosystem

The beauty of the iLamp model lies in its economic and collaborative structure. Territorial holders stand to gain considerably, capturing over 20% of the revenue from apps developed in their region, incentivising territorial holders to promote innovation within their locale but also allowing them to include these novel solutions in their sales pitches, thereby broadening their offer to clients. This creates a symbiotic ecosystem where territorial holders, developers, and end-users benefit mutually.

Intelligent Lighting

iLamp’s intelligent lighting app ensures the correct lighting level for the area it’s positioned in, adapting to visibility and weather.

Power As A Service

PaaS redefines how energy is generated, distributed, and monetized on each iLamp.

Communications Billing

Communications billing enables each module to pay only for the data it uses, as well as for open WiFi network billing.

Batteryware Monitoring And Optimisation

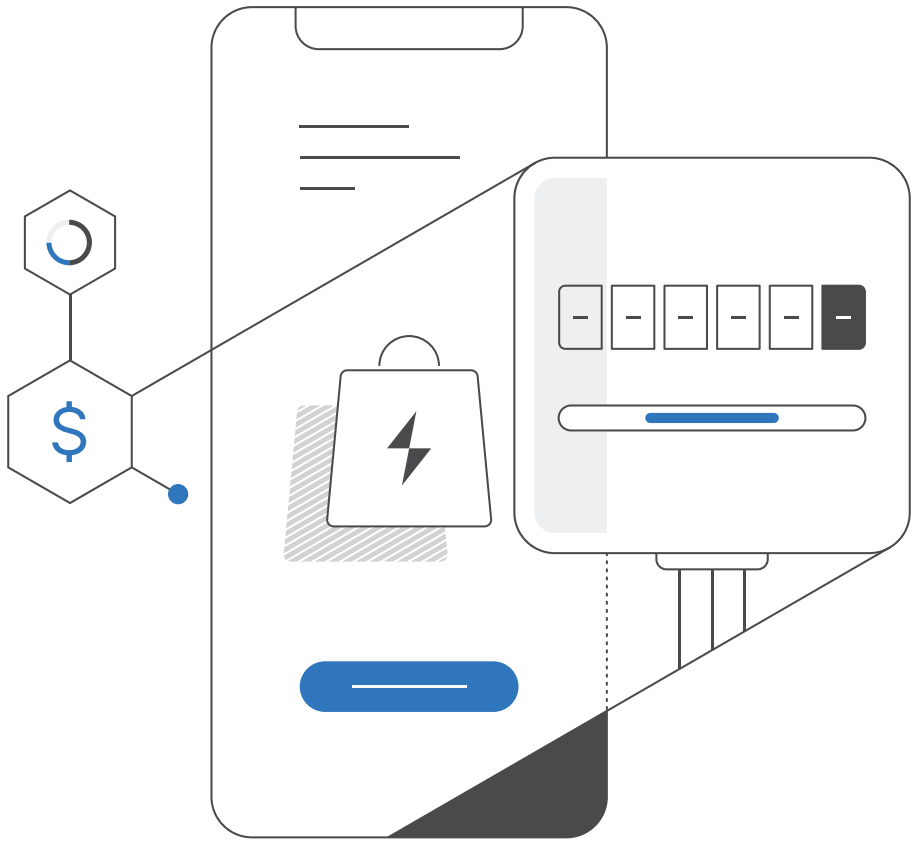
BatteryWare conducts comprehensive monitoring, and real-time analysis to ensure optimal battery conditions.

Video Surveillance

Video surveillance enables remote real time monitoring, motion detection, high definition video, smart alerts and integrations.

Weather Monitoring

Weather monitoring uses environmental sensors to act as a local weather station, relaying real time data to stakeholders.

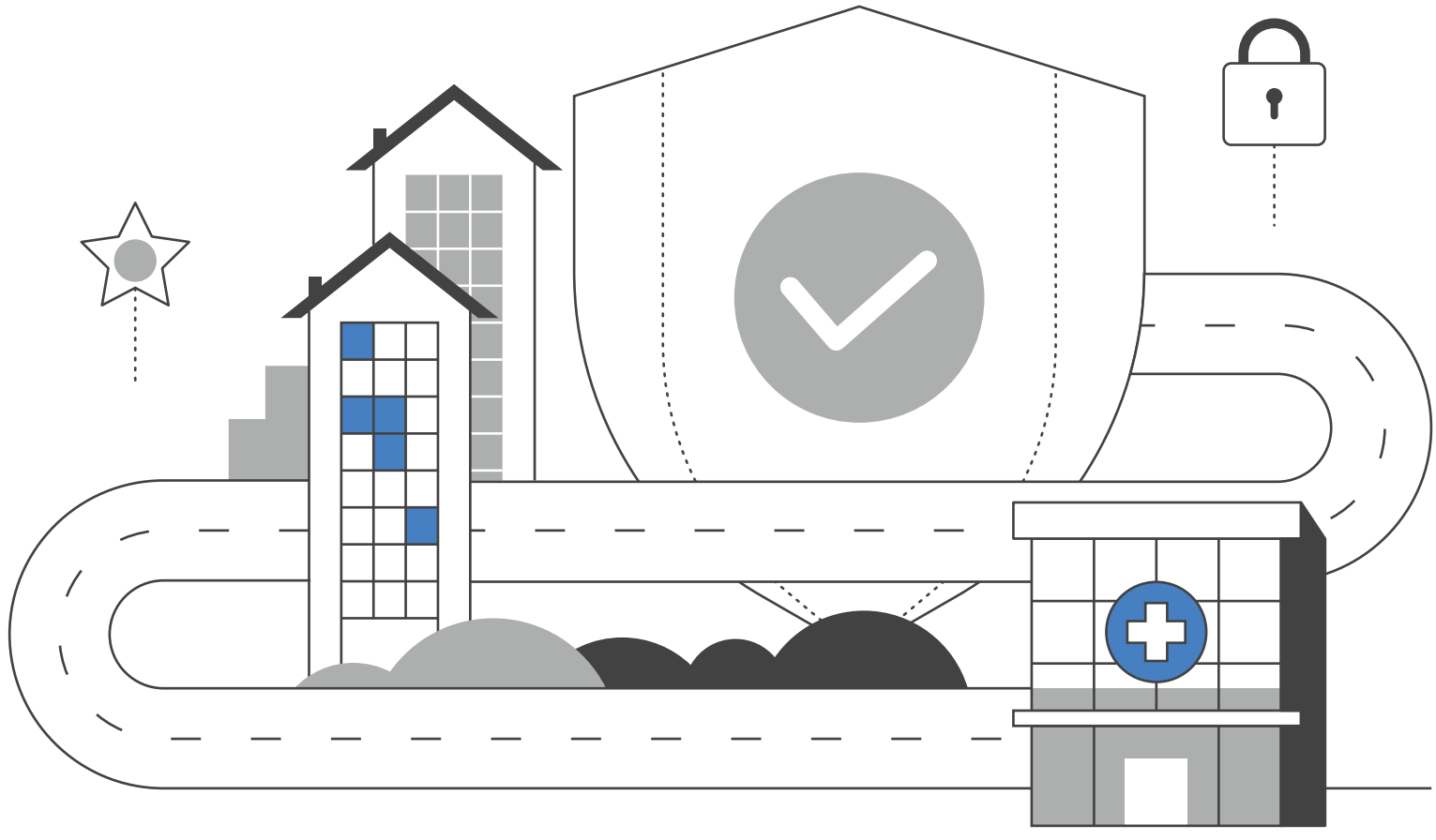


Power as a Service

Power as a Service (PaaS) is a payment processor connected to an energy management and distribution solution which was designed from the ground up to manage clean kilowatt hours (kWh) of locally produced and consumed power. PaaS enables the generation, metering, and monetization of this localised power on a decentralized basis between varied stakeholders.

Each iLamp unit is equipped with solar panels that harness renewable energy, storing it in batteries for efficient distribution. This setup not only powers the streetlighting but also supports a variety of smart sensors and modules. These modules may include cameras, environmental sensors, weather stations, and telecommunications devices which all use power, and all may have separate billing accounts with PaaS. By metering energy generated and consumed by each device PaaS enables a new paradigm where power can be locally generated for local consumption, eliminating transmission costs and emissions to near zero.

Under the PaaS model, the iLamp licensee can create PaaS contracts that delineates roles for both power suppliers and power users. Much like traditional utility models, these contracts enable accurate billing based on actual energy consumption, this is a significant step towards redefining how energy is generated, distributed, and monetized in the modern era and a crucial extra revenue stream which can be explored by iLamp licensees.



Enhanced Street Lighting

Puerto Rico continues to grapple with significant crime challenges, driven by factors such as drug trafficking, economic hardship, and strains on law enforcement resources. High rates of property theft, vehicle-related offenses, and violent crimes persist, underscoring the need for effective, immediate interventions to improve public safety.

Research shows that enhanced street lighting offers one of the most impactful and cost-effective strategies to reduce crime.

The UK Home Office reports a 20% reduction in offenses—including vehicle theft—when better lighting is introduced.

A U.S. study published in Criminology & Public Policy found a 45% drop in nighttime index crime and a 39% drop in daytime index crime following the installation of improved lighting.

Based on these findings, Puerto Rico could potentially see a 20–30% decline in crime with comprehensive streetlight upgrades.

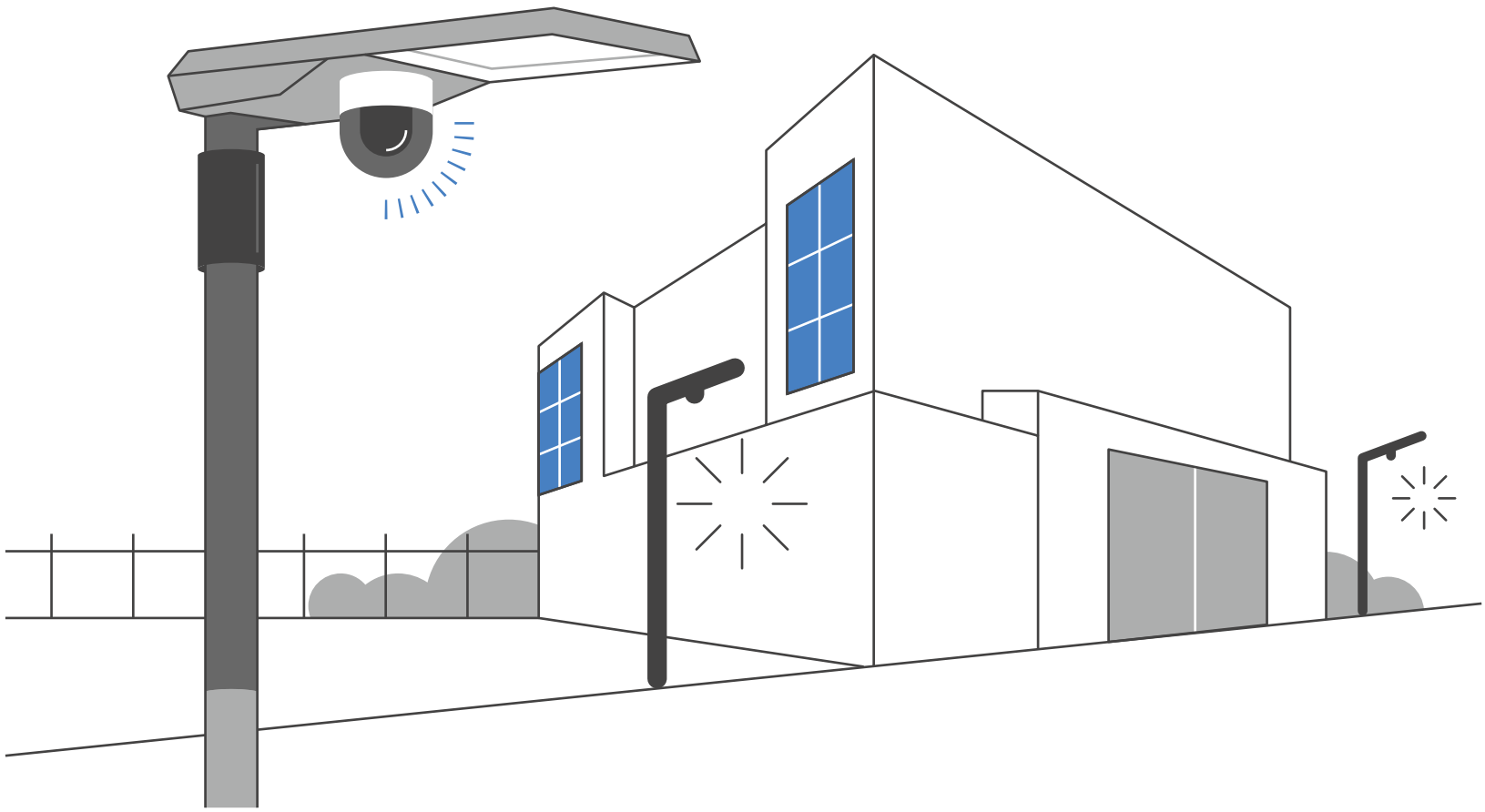
Beyond lowering crime rates, enhanced lighting brings broader community

and economic benefits. It increases pedestrian and road safety and can raise property values by 0.5% to 1% for every 1% decrease in crime. For areas previously unlit or poorly lit, the property value gains can be even more pronounced.

These improvements also attract businesses and spur local development, reinforcing a cycle of economic stability and growth. Moreover, a better-lit environment improves community engagement, encourages outdoor activities, and strengthens other crime prevention tools such as CCTV.

Upgrading street lighting stands out as a promising strategy to address Puerto Rico's crime challenges, boost community well being, and promote lasting economic development.

By reducing offenses, raising property values, and fostering safer, more attractive neighborhoods, this approach supports broader recovery efforts and positions Puerto Rico for sustainable, community focused growth.



The iLamp Effect

Imagine a neighbourhood with above average crime, where after dark the streets feel unsafe and are inadequately lit.

People avoid the area, the perceived danger deters people from frequenting local businesses, which in turn close earlier or shutter permanently. The neighborhood loses its vibrancy and appeal, leading to declining property values and further disinvestment. People leave for brighter pastures.

Now imagine iLamp's are installed, their enhanced lighting and cameras begin to deter crime, first due to the lighting, monitoring, and then due to the larger presence of people who now feel safe walking the streets.

This reduction in crime leads to a domino effect: as people feel safer, they are more likely to walk around, visit local businesses, and participate in community activities. This increased presence of people further deters criminal behavior, creating a safer and more welcoming environment.

Better street lighting also contributes to road safety. Well lit streets significantly reduce the likelihood of traffic accidents and pedestrian casualties. Emergency services, including police, firefighters, and medical personnel,

benefit from improved visibility, allowing them to navigate the area more efficiently and locate incidents quickly. This enhanced response capability saves lives and mitigate the severity of emergencies.

As safety improves, the community begins to experience a revival. People start to move into the area, attracted by the now safer and more appealing environment. This influx of residents drives up property values and stimulates the local economy. Businesses extend their operating hours, taking advantage of the increased foot traffic and nighttime activity. Public transportation becomes more accessible and reliable, allowing residents to shop, socialize, and commute safely after dark. This increased mobility to a higher quality of life and a more vibrant community atmosphere.

iLamp is not only functional, but aesthetically pleasing. They can be positioned to highlight architectural features and are designed to minimize light pollution, creating a pleasant nighttime atmosphere.

iLamp modules make each lamp future proof, and can tailored to the community's needs. For instance, environmental sensors can help allergy sufferers by providing real-time air quality data. Other modules can offer early warnings for forest fires, gas leaks, and extreme weather events, enhancing overall safety and preparedness.

This story is backed by the hard evidence of communities around the world that have undergone this transformation:

The Impact of Street Lighting on Crime, Fear, and Pedestrian Street Use - by Kate Painter - Institute of Criminology, University of Cambridge, UK https://popcenter.asu.edu/sites/default/files/137-painter-the_impact_of_street_lighting_on_crime_fear_an.pdf

Colege of Policing - Improved Street Lighting https://www.college.police.uk/research/crime-reduction-toolkit/street-lighting

Can deterrence persist? Long-term evidence from a randomized experiment in street lighting - Criminology and Public Policy

iLamp Sales, Installs, and Maintenance

iLamp sales represent the largest revenue producing activity for licensees, providing them with a lucrative opportunity in the rapidly growing smart lighting market. To support sales efforts, iLamp offers comprehensive resources including sales proposals, branding kits, detailed product information, and benefit training resources. Additionally, licensees receive guides on available grants and best practices for approaching towns, counties, and municipalities, ensuring they are well-prepared to begin sales activities immediately.

iLamp products can be sold to a diverse range of public and private entities. Potential clients include public streets and highways, educational campuses, parks and recreational areas, parking lots, hotels and resorts, industrial estates and factories, hospitals and healthcare facilities, residential developments, train stations and railway networks, airports and ports, shopping complexes and malls, small businesses, stadiums and arenas, pathways and cycleways, homeowners associations and many more.

This broad market base provides licensees with extensive opportunities to secure contracts and drive significant sales revenue.

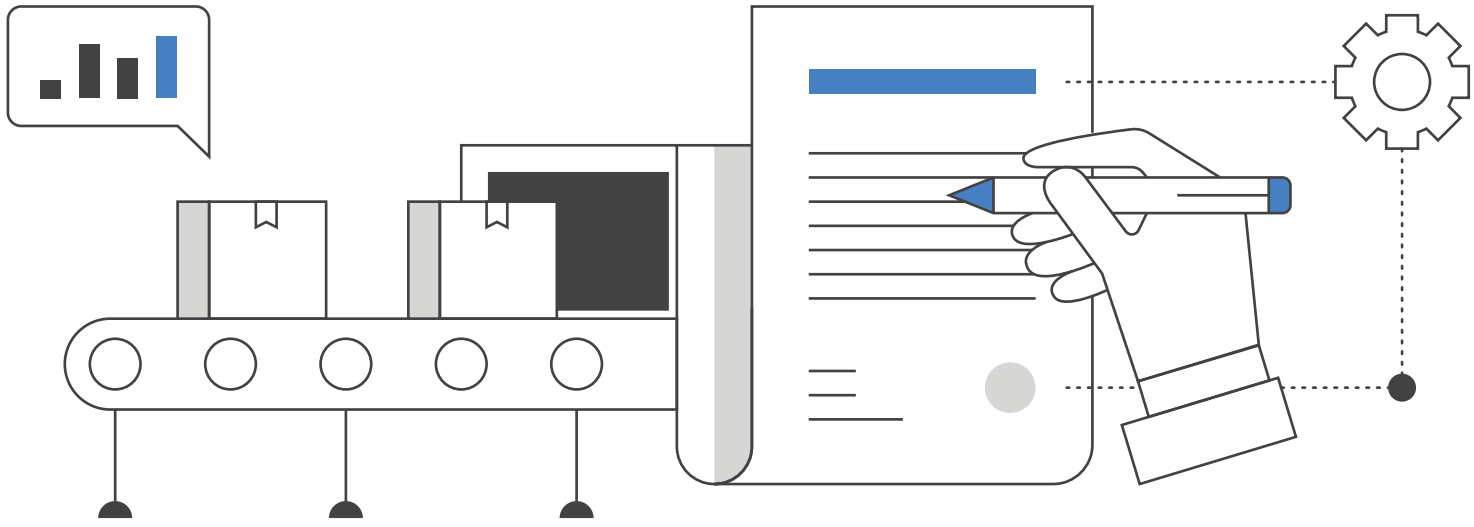
iLamp has been engineered for ease of installation, requiring minimal manpower and equipment. This user-friendly design allows sales agents to offer efficient and cost-effective installation services. Installation guides and cost calculators are readily available from iLamp, ensuring that licensees can accurately estimate installation costs and streamline the installation process.

Sales agents have the flexibility to either control the installation process themselves or sublicense these services. By sublicensing, they can generate additional revenue through the sale of installation rights or by charging royalties on services rendered. This approach enables licensees to maximize their revenue potential and capitalize on every aspect of the sales and installation process.

Maintenance of iLamp systems is another key revenue stream for licensees. Similar to installation, maintenance services can be controlled directly by the licensee or sublicensed. Charging royalties on maintenance contracts provides a continuous revenue source, akin to receiving a commission on each contract. This ensures that licensees benefit not only from the initial sale but also from ongoing service agreements.

The combined revenue from sales, installation, and maintenance of iLamps is substantial. With a wholesale cost of $5000 and a sale price of $9000 per unit, a small installation project of 35 units can generate over $300,000 in sales revenue alone. This significant profit margin underscores the financial viability and attractiveness of iLamp's business model for licensees.

iLamp's direct sales, installation, and maintenance services offer a robust business opportunity for licensees. By leveraging the comprehensive resources and support provided by iLamp, licensees can effectively penetrate the market, secure diverse contracts, and achieve substantial revenue growth.



Local iLamp Micro Factories

The Local Benefits of iLamp

The iLamp solution brings a host of local benefits that extend beyond simple street lighting, creating a transformative impact on communities.

By licensing comprehensive rights including manufacturing, assembly, sale, and installation, iLamp provides the blueprint for each territory to develop microfactories, creating local jobs and fostering economic growth at a local level.

These microfactories, designed to produce high-mix, low-volume lamps, allow for the customisation of streetlights that fit the specific environmental and cultural needs of each community. This flexibility ensures that iLamps are not just functional but also align with the unique character of the city or region.

For municipalities, iLamp offers an opportunity to engage the local population through design competitions and public consultations on the sensors to be installed and services to be provided, allowing cities to involve residents in shaping the aesthetic and function of their public lighting. This fosters a deeper sense of ownership and pride, as the streetlights become an integral part of the city's identity.

As streetlights evolve into critical nodes in smart city infrastructures, iLamp ensures that these nodes remain locally owned, capturing economic value within the community, creating a virtuous cycle of investment and growth.

iLamp's locally trained teams handle sales, manufacturing, assembly, installation and maintenance. The presence of free iLamps in key areas such as

schools, churches, and community centres also enhances safety and connectivity, contributing to community well being.

Beyond street lighting, iLamp's App Store and Module Store inspire local innovation, providing a platform where communities can develop and implement solutions tailored to their environment. These innovations can then spread to other regions with similar challenges, creating new revenue streams and further boosting local economies. This global-local exchange ensures that money not only stays within the community but attracts external investment as well.

With the potential to reduce crime, improve safety, and create economic opportunities, iLamp fosters a positive feedback loop of community benefits. Its partnerships with diverse local stakeholders—such as property developers, public works contractors, councils, community leaders, and various local consultants—ensure that each iLamp is a perfect fit for the community it serves, enhancing he vibrancy and sustainability of cities around the globe.

The iLamp Microfactory system empowers territories to efficiently prioritise production by leveraging locally available materials and expertise. This approach enables regions to make the best use of local resources while maintaining flexibility in production.

By integrating procurement with local assembly, the system strikes an optimal balance between sourcing materials and producing components locally, ensuring streamlined, energy efficient, and time sensitive manufacturing.

This model is particularly suited for high-mix, low-volume production, allowing iLamps and other innovations from the Conflow Power Group to be tailored to specific regional needs. The result is a sustainable, responsive manufacturing process that supports local economies and reduces logistical challenges.

Sublicensing Opportunity

Sublicensing is a powerful tool for iLamp Puerto Rico, enabling the immediate commencement of operations across the island. This approach allows territorial holders to rapidly extend the iLamp business model into diverse regions, fostering swift expansion and early sales. The ability to sublicense right away is critical for securing essential revenue in the initial stages, providing financial stability and momentum from the outset.

Territorial holders in Puerto Rico enjoy the distinct advantage of assembling a team of local experts who possess an intrinsic understanding of the island's varied and dynamic landscape. These specialists, granted autonomy through sublicensing, can operate with minimal oversight. This structure accelerates growth and innovation, building an agile team acutely aware of local infrastructure, cultural nuances, and community needs.

By leveraging local expertise, iLamp Puerto Rico can collaborate with manufacturers, business leaders, and regional specialists who have a deep knowledge of their respective areas. Sublicensing to these local experts ensures that iLamp's solutions are closely tailored to Puerto Rico's specific challenges and opportunities, establishing trust and credibility within local communities.

Sublicensees in Puerto Rico are adept at navigating the island's regulations, policies, and cultural context. Their proficiency ensures more effective market penetration while dispersing operational and financial risks among a larger network of stakeholders. By fostering local engagement, this model instills a sense of ownership and commitment to iLamp's success, cultivating strong advocacy and brand loyalty across the island.

Because the sublicensing model is inherently scalable, iLamp Puerto Rico can broaden its reach without the proportional increase in capital investment and resources typically required for rapid growth. The following price list provides an estimate of market prices as determined by leading financial institutions, tailored for the Puerto Rican market.

STREETLIGHTS IN PUERTO RICO BY MUNICIPALITY

Cities	Population	Streetlights (est.)	Savings	Market Size
Adjuntas	18,020	1,838	$488,367	$16,542,360
Aguada	38,136	3,890	$1,033,539	$35,008,848
Aguadilla	55,101	5,620	$1,493,314	$50,582,718
Aguas Buenas	24,223	2,471	$656,477	$22,236,714
Aibonito	24,637	2,513	$667,697	$22,616,766
Añasco	25,596	2,611	$693,687	$23,497,128
Arecibo	87,754	8,951	$2,378,256	$80,558,172
Arroyo	15,843	1,616	$429,367	$14,543,874
Barceloneta	22,657	2,311	$614,036	$20,799,126
Barranquitas	28,983	2,956	$785,480	$26,606,394
Bayamón	185,187	18,889	$5,018,827	$170,001,666
Cabo Rojo	47,158	4,810	$1,278,048	$43,291,044
Caguas	127,244	12,979	$3,448,491	$116,809,992
Camuy	32,827	3,348	$889,658	$30,135,186
Canóvanas	42,337	4,318	$1,147,392	$38,865,366
Carolina	154,815	15,791	$4,195,703	$142,120,170
Cataño	23,155	2,362	$627,533	$21,256,290
Cayey	41,652	4,249	$1,128,828	$38,236,536
Ceiba	11,307	1,153	$306,436	$10,379,826
Ciales	16,984	1,732	$460,290	$15,591,312
Cidra	39,970	4,077	$1,083,243	$36,692,460
Coamo	34,668	3,536	$939,551	$31,825,224
Comerío	18,883	1,926	$511,756	$17,334,594
Corozal	34,571	3,526	$936,922	$31,736,178
Culebra	1,792	183	$48,566	$1,645,056
Dorado	35,879	3,660	$972,371	$32,936,922
Fajardo	32,124	3,277	$870,605	$29,489,832
Florida	11,692	1,193	$316,870	$10,733,256
Guánica	13,787	1,406	$373,647	$12,656,466
Guayama	36,614	3,735	$992,291	$33,611,652
Guayanilla	17,784	1,814	$481,971	$16,325,712
Guaynabo	89,780	9,158	$2,433,164	$82,418,040
Gurabo	40,622	4,143	$1,100,913	$37,290,996
Hatillo	38,486	3,926	$1,043,024	$35,330,148
Hormigueros	15,654	1,597	$424,245	$14,370,372
Humacao	50,896	5,191	$1,379,353	$46,722,528
Isabela	42,943	4,380	$1,163,815	$39,421,674
Jayuya	14,779	1,507	$400,532	$13,567,122
Juana Díaz	46,538	4,747	$1,261,245	$42,721,884
Juncos	37,012	3,775	$1,003,077	$33,977,016
Lajas	23,334	2,380	$632,384	$21,420,612
Lares	28,105	2,867	$761,685	$25,800,390
Las Marías	8,874	905	$240,498	$8,146,332
Las Piedras	35,180	3,588	$953,427	$32,295,240

STREETLIGHTS IN PUERTO RICO BY MUNICIPALITY

Cities	Population	Streetlights (est.)	Savings	Market Size
Loíza	23,693	2,417	$642,113	$21,750,174
Luquillo	17,781	1,814	$481,890	$16,322,958
Manatí	39,492	4,028	$1,070,288	$36,253,656
Maricao	4,755	485	$128,867	$4,365,090
Maunabo	10,589	1,080	$286,977	$9,720,702
Mayagüez	73,077	7,454	$1,980,489	$67,084,686
Moca	37,460	3,821	$1,015,218	$34,388,280
Morovis	28,727	2,930	$778,542	$26,371,386
Naguabo	23,386	2,385	$633,793	$21,468,348
Naranjito	29,241	2,983	$792,472	$26,843,238
Orocovis	21,434	2,186	$580,891	$19,676,412
Patillas	15,985	1,630	$433,216	$14,674,230
Peñuelas	20,399	2,081	$552,841	$18,726,282
Ponce	137,491	14,024	$3,726,199	$126,216,738
Quebradillas	23,638	2,411	$640,623	$21,699,684
Rincón	15,187	1,549	$411,589	$13,941,666
Río Grande	47,060	4,800	$1,275,392	$43,201,080
Sabana Grande	22,729	2,318	$615,988	$20,865,222
Salinas	25,789	2,630	$698,918	$23,674,302
San Germán	31,879	3,252	$863,966	$29,264,922
San Juan	342,259	34,910	$9,275,698	$314,193,762
San Lorenzo	37,693	3,845	$1,021,533	$34,602,174
San Sebastián	39,345	4,013	$1,066,305	$36,118,710
Santa Isabel	20,281	2,069	$549,643	$18,617,958
Toa Alta	66,852	6,819	$1,811,783	$61,370,136
Toa Baja	75,293	7,680	$2,040,546	$69,118,974
Trujillo Alto	67,740	6,909	$1,835,849	$62,185,320
Utuado	28,287	2,885	$766,617	$25,967,466
Vega Alta	35,395	3,610	$959,254	$32,492,610
Vega Baja	54,414	5,550	$1,474,696	$49,952,052
Vieques	8,249	841	$223,559	$7,572,582
Villalba	22,093	2,253	$598,751	$20,281,374
Yabucoa	30,412	3,102	$824,208	$27,918,216
Yauco	34,172	3,486	$926,109	$31,369,896

iLamp Puerto Rico and the paradigm shift

iLamp is paving a groundbreaking path for Puerto Rico, with a vision that goes beyond entering the market to fundamentally transforming it. The central question involves how best to allocate operational control within iLamp Puerto Rico versus distributing sublicenses to local partners. Direct management can yield higher profits and tighter control over margins, while partnering with established Puerto Rico–based entities could accelerate market adoption and produce rapid revenue growth. By tapping into the island's pool of skilled labor and technological expertise, iLamp can build a dynamic ecosystem of solutions uniquely tailored to local needs.

With iLamp's extensive distribution network and integrated app store, innovations developed in Puerto Rico can be brought to global markets, opening robust new revenue streams for iLamp Puerto Rico. The scope of this venture reaches far beyond simply selling the product. Establishing local production facilities or assembly lines in Puerto Rico would position iLamp as a crucial supplier, generating high-quality jobs and bolstering the territory's economic progress.

By monetizing the real estate of lamp poles and integrating an array of hardware and software services—including subscription-based Power as a Service (PaaS)—the potential for diverse, sustained income is substantial. Backed by the Conflow Power Group, iLamp Puerto Rico gains early access to cutting-edge technological advancements, reinforcing its position as a leader in smart city innovation.

The partnership with the ILOCX platform further strengthens iLamp Puerto Rico's ability to manage sublicense sales alongside territorial licenses, giving local partners the resources needed to raise capital and expand swiftly in their respective areas. As Puerto Rico continues to rebuild and modernize, iLamp's forward-thinking streetlighting and safety solutions are not merely an attractive option—they are indispensable. Positioned at the forefront of this evolution, iLamp Puerto Rico stands poised to lead the charge in sustainable growth and community well-being throughout the island.