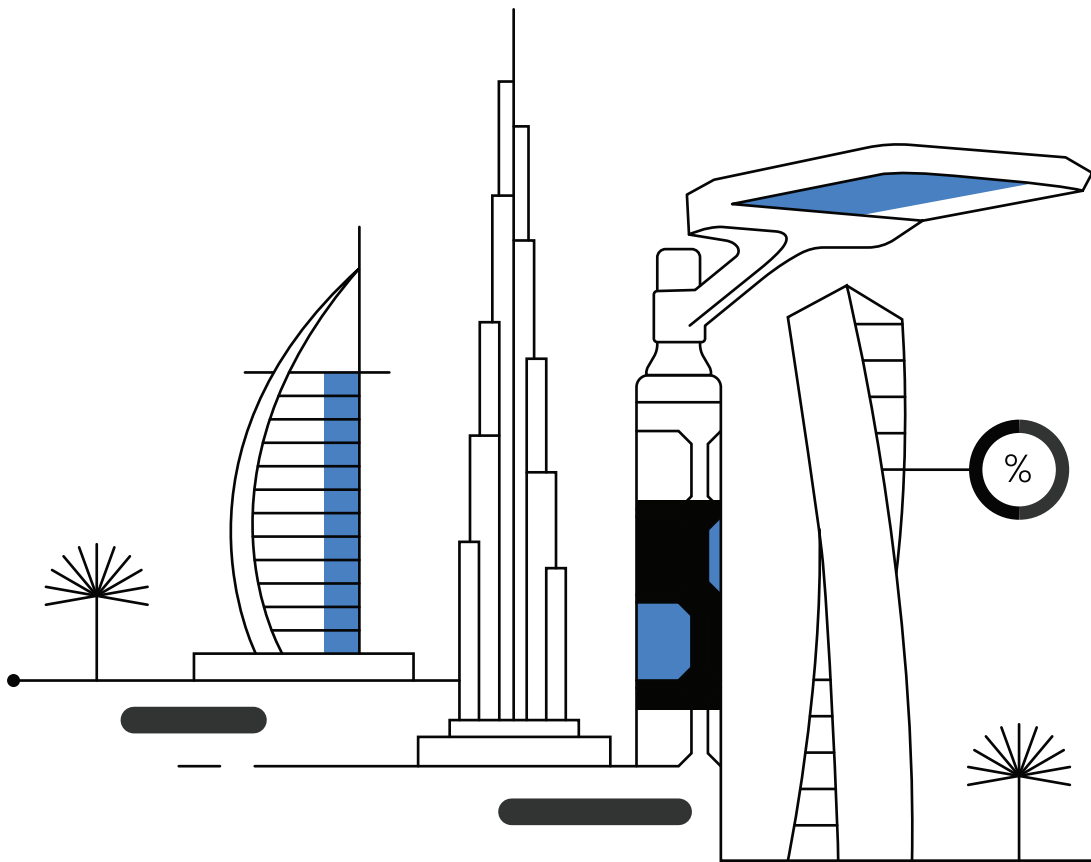

Umm Al Quwain, Meet iLamp UAE



Prepared for:
Umm Al Quwain, UAE



Umm Al Quwain, Meet iLamp

iLamp is a smart streetlight proven to reduce crime and save lives, self powered and self sufficient, iLamp is easy to install, robust and reliable. iLamp is always on, immune to power cuts and grid outages, providing a sustainable energy solution. When everything else goes down, iLamp stays up.

But it's more than just a light, it's a power source, a community asset, and a step towards energy independence. Resistant to sand, snow, dirt, water, and floods, its innovative cylindrical solar panel cleans itself, ensuring continuous power generation in any environment.

As a modular system iLamp is a platform for innovation, enabling developers to create plug and play modules that use iLamp's sensors and communications for advanced functionalities.

Each module pays for its space and resources used, creating a marketplace of capabilities. Software developers can submit apps to the iLamp App Store, leveraging its onboard senses to deliver services ranging from environmental monitoring to public safety.

Each iLamp is a mass rolled out miniature microgrid, generating reliable, resilient, sustainable energy exactly where it's needed.

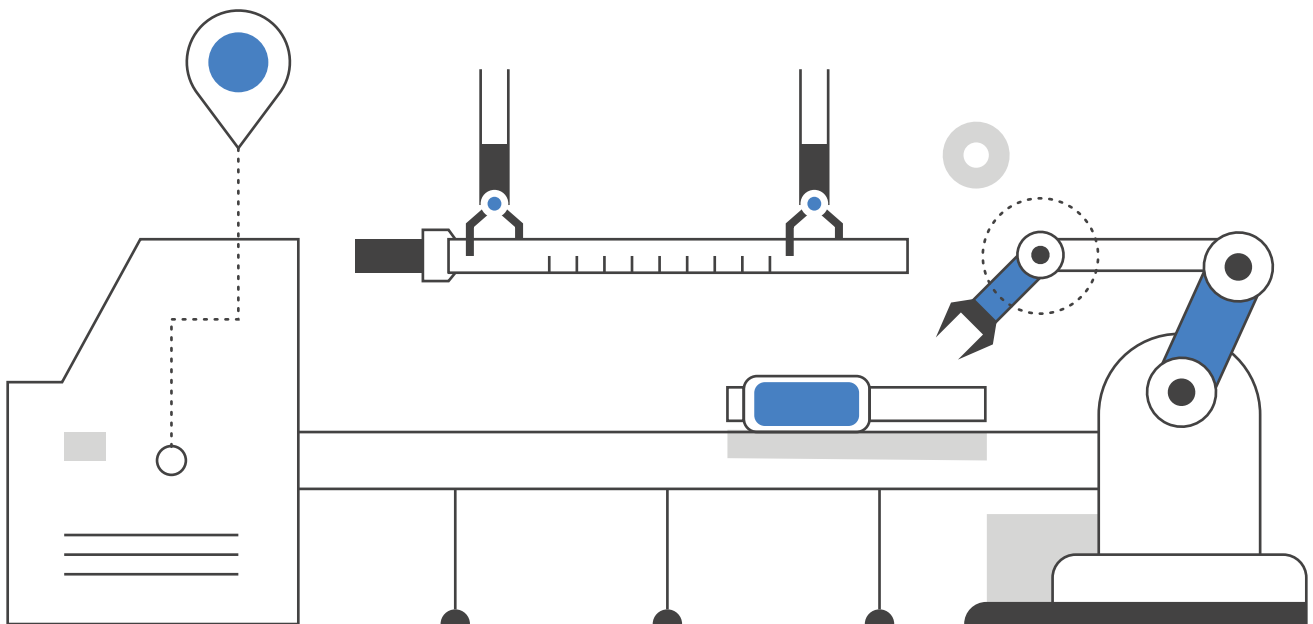
Modules are billed for the power and onboard services such as data transmission and sensor access, creating an ecosystem where energy and functionality come together seamlessly.

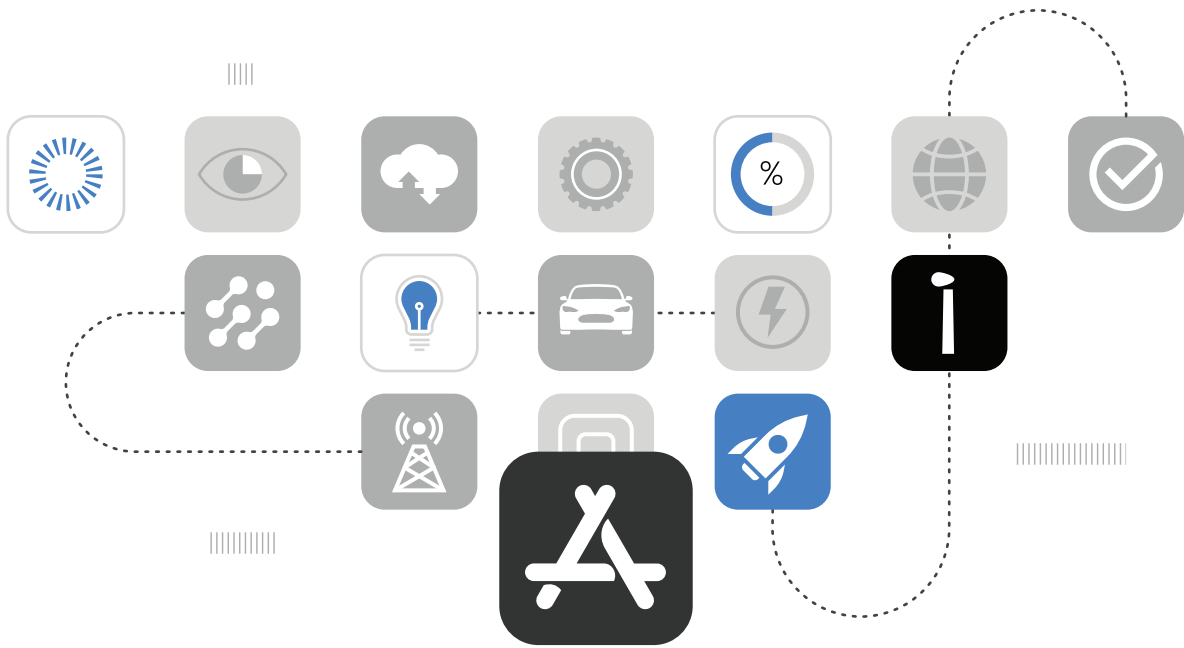
With the potential to improve safety and create economic opportunities, iLamp fosters a positive feedback loop of community benefits. Its partnerships with diverse local stakeholders such as property developers, public works contractors, community leaders, and local consultants, ensure that each iLamp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



iLamp is constructed in local Micro Factories, iLamp UAE provides the blueprint to develop these microfactories, creating local jobs and fostering economic growth at a local level.

Designed to produce high mix, low volume lamps, allow for the customisation of streetlights that fit the specific requirements of each community. This flexibility ensures that iLamps are not just functional but also align with the unique character and needs of Umm Al Quwain.





Each iLamp is highly customizable to meet the diverse needs of neighborhoods, enabling the integration of add-ons like 5G WiFi, traffic management systems, CCTV, environmental monitoring, and a wide range of other sensors and modules. This modular approach provides flexibility and ensures a plug-and-play setup, making the iLamp future-proof and ready for quick deployment. It empowers licensees with multiple upselling opportunities and opens doors to various smart city applications.

The true potential of iLamp lies in its onboard technology and developer kits, which allow for the seamless integration of additional features. Equipped with sensors for motion detection, cameras, air quality monitoring, and more, iLamp creates a data-driven foundation for developing smarter solutions. These features enable developers to innovate and build custom applications that respond to real-time urban challenges.

For example, motion sensors and cameras can be used to monitor traffic patterns and optimize traffic flow, reducing congestion, accidents, and environmental impact. Parking sensors can enhance parking management systems, while environmental sensors can monitor air quality, temperature, and noise pollution. By leveraging this data, Umm Al Quwain can transform into a smart city of the future, enabling intelligent urban planning and responsive infrastructure.

The developer kit further enhances iLamp's capabilities, offering a gateway for integration with wider smart city networks, including energy management, security, and transportation systems. By building upon iLamp's open platform, local developers can co-create unique solutions that not only benefit the city but also foster a technology ecosystem that drives innovation. In essence, iLamp is a cornerstone in turning Umm Al Quwain into a model smart city, delivering both immediate functionality and long-term adaptability.

