



**Opticca** is a hybrid, multi-cloud service provider that accelerates IT transformation for hundreds of growing and established global brands. Through our deep technical knowledge, strategic relationships with the world's leading cloud hyperscalers, proven delivery methodologies, and highly specialized experts, we provide the capabilities and practical guidance customers need to successfully embrace IT change and move their businesses forward.

## CASE STUDY | INTELIGHT INNOVATIONS

### INTELIGHT Innovations Creates Smart, Lighting-based Infrastructure Platform

INTELIGHT turned to Opticca to develop a smart streetlight solution leveraging Opticca's flexible, enterprise-grade Rapid IoT (RIoT) Cloud Platform built on Microsoft Azure

**Background:** INTELIGHT Innovations Inc. (INTELIGHT) is an intelligence-based lighting and communications company that offers a unique multi-sensory, multi-protocol Internet of Things (IoT) platform capable of assessing and responding to real-time events within public spaces.

**Challenges:** The promise of Smart Cities & Smart Spaces lies in technological innovations. Companies are proposing concepts with sensors and devices that support these smart place strategies, but there's a gap in technology preventing their practical adoption. INTELIGHT recognized that each proposer had its own set of goals and identified five persistent challenges that are typical barriers to these smart initiatives:



**Motives:** With their 25 years of experience in communication and lighting, INTELIGHT set out to reimagine how to use streetlight infrastructure to overcome these challenges. INTELIGHT engaged Opticca to develop a new customer offering combining Big Data, Cloud, and IoT to enable digital connectivity to devices and sensors for better operational efficiencies, cost savings and improved services.

### Benefits:

- Deploying 10x faster & scaling much quicker
- Providing real-time & predictive analytics via Digital Twin
- Significantly reducing per customer implementation costs
- Easily integrating smart applications & services via open API

### Rapid IoT (RIoT) Platform

#### Solution

RIoT is an Azure cloud-based IoT platform servicing INTELIGHT's customers by providing monitoring and management capabilities within its smart streetlight infrastructure. The RIoT-enabled solution leverages LED technology, adaptive control, and integrated communication to aggregate smart data and send it over the network established by the streetlights.

#### Data-driven network

INTELIGHT's customers can now take advantage of this powerful, purpose-built solution to establish the backbone of a smart network and drive new efficiencies, intelligence, connectivity and smart functionality.