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Mesh networking and IoT use cases for Ilumi MeshTek, Bluetooth 5.0, beacons, etc.

Abstract

Having deployed 100,000+ Bluetooth mesh-enabled smart light bulbs globally, ilumi successfully licensed its bulb business to a high-end home automation company and has returned to its roots as an IoT platform company. Meshtek®, ilumi's foundational hardware and software platform, enabled the creation of a smart solution: smart light bulbs. The same underlying technology is now being deployed across a wide cross-section of industries: energy management, healthcare, horticulture and asset management.

An agnostic IoT platform replaces the former one-to-one M2M (machine-to-machine) infrastructure, with a many-to-many capability. As more sensors and intelligent devices/appliances are deployed (data producers), there is a requirement to supply information (not just data) to a variety of upstream systems (data consumers), whether enterprise, business intelligence or control systems. A platform must manage large amounts of data generated from a rapidly growing set of end-points, provide real-time edge-processing and communicate its action to a variety of systems.

Biography

Michael Bigbee is an experienced bi-lingual senior executive able to lead in a global and matrix environment with multi-industry experience. As the CEO and President of ilumi solutions he leads a premier product provider in the smart lighting space. Michael has a long term successful track record of bringing customers, technology, software, solutions and partners together, resulting in exceeding both short-term tactical and long-term strategic business objectives.

ilumi made a successful Shark Tank presentation that led to an investment from the Mark Cuban Companies and several other prominent investors. ilumi's resilient, robust and self-healing BLE mesh network capability enables users to easily connect, configure and control a wide variety of devices via remote control using ilumi apps. The MeshTek product line is a reliable set of IoT hardware and software solutions that allow users to confidently deploy IoT devices with easy integration, easy commissioning and straightforward connection to business systems.