# DATASHEET
# IoT Engineering Design Services

## Providing expertise and partnership for fast time-to-value

**TAOGLAS**®

Digital transformation and IoT is the bridge between the physical and the digital world. It's the connection of devices to the Internet using embedded software and sensors to communicate, collect and exchange data with one another real time. The impact and benefits are proven to drive significant organizational results including operational efficiencies, cost savings, enhanced compliance and/or new revenue opportunities.

**Taoglas Next Gen IoT Services** help our customers with its digital transformation programs by reducing the risks and time associated with creating and integrating new technologies. We help you get to market fast without having to work with multiple vendors, integrators, service providers and the like. Taoglas is your one-stop-shop of IoT experts helping you with fast time-to-value and offering you the entire value chain of services and products to realize your IoT programs.

Our hardware and software engineering team specialize in providing design services. Whether we work to augment our existing off-the-shelf **Taoglas EDGE solutions** such as the **EDGE Connect** and **EDGE IoT starter Kit** to accommodate your specific needs – or work with you for a complete custom IoT design project, Taoglas has the expertise and capabilities to get you to market fast and cost-effectively.

For further details go to **www.taoglas.com/iot-design-services/**

## Key areas of expertise and services include:

| ISA.100 | IoT Solution Initial System Analysis |
| HLD.10 | IoT Device Hardware High Level Design and Project Plan |
| HLD.20 | IoT Device Firmware High Level Design and Project Plan |

With 16 years of experience and enablement of hundreds of IoT projects globally, Taoglas core competencies extends across the entire value chain including:

**Security:** Our security team have a deep understanding of the threat landscape that IoT devices will encounter and follow the SDL (Secure Development Lifecycle). Learn how to build in security from initial design of the hardware all the way up to your cloud applications.

**Connectivity:** Our team have decades of experience on short (RFID, BLE, Zigbee) and long range (Cellular, Satellite, LoRa) chipset and middleware design, validation, testing and per-certification.

**Device Design, Test and Manufacturing:** Based on your specific device specifications, our team can work with you to provide device design recommendations and provide the testing services needed for carrier certification. With our deep roots in IoT device testing, we will ensure that the device and performance will pass carrier specifications the first time.

**Device Lifecycle Management:** Our team can assist you in remotely upgrading and configuring your devices, thus, making it convenient to manage, track, secure, and maintain all your devices.

**Sensor Management and integration:** Our team can help you integrate specific sensors needed for your application and provide a sensor management platform that allows you to get your devices provisioned, managed and decommissioned in real time.

**Data management and real-time insights:** With the Taoglas EDGE Insights cloud management platform, we help manage and analyze all data collected and provide user-friendly applications for insights.