

# The Gigabits Proof-of-Concept Sandbox

IoT Use Case Development Program

# **Explore**

**Develop POC Use Cases (1 Day)** 

#### We Learn from You

We gather insights about your business, operations, challenges, and needs.

## Opportunity Discovery

We'll discuss the possibilities of digital instrumentation, sensing and actuation modalities, and how they might be applied to gain insights for your business and operations.

## Explore POC Use Cases

We help you ideate high-value use cases, based on an understanding of your needs. We'll contemplate a POC Use Case that will be deployed on our Platform and tested on your premises.

### Select Final POC Use Case

After we've explored how you might leverage IoT in your business, we will work with you to prioritize and ultimately select your final POC Use Case.

# **Provision**

Setup IoT Platform Environment (2 Weeks)

## POC Workplan

We will tailor a plan for the efficient and effective Gigabits Platform implementation of the selected POC Use Case, leveraging your team's expertise in concert with ours.

#### Instrumentation

We will identify the appropriate sensing and actuation hardware required to enable your POC Use Case - and we will provide expertise and guidance regarding the connection and instrumentation of those devices with your systems (limited in scope).

### Data Visualization

We'll provision the appropriate dashboards and visualization tools to provide you with real-time and historical views of the data collected.

# **Deploy**

Run, Evaluate, and Iterate (4 Weeks)

#### > Run

We'll ensure your POC Use Case is operational and accessible to you and your POC evaluators (up to five user accounts/one admin account) for one month (30 days).

#### Evaluate

Your POC deployment will provide you ample time to evaluate how the system works, how it can be expanded or improved in support of your Use Case objectives.

## > Iterate

We'll provide minor system adjustments and customizations that you can test within the 30-day period (limited in scope).

Program Price: \$20K USD

Includes: Instrumentation HW (2 Micro Controllers, and up to 8 sensor types per), 30 Days (starts after POC Use Case Deployment) of Gigabits IoT Platform Usage (5 User Accounts/1 Admin Account), and 10 Support Hours.

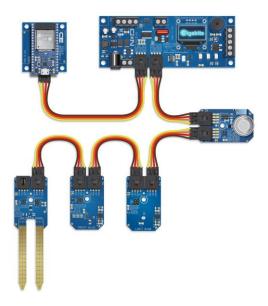


# Gigabits Proof-of-Concept Sandbox Tools

IoT Use Case Development Program

**Microcontrollers and Sensors** 

**Enables Digital Instrumentation** 



# **Sensor Libraries**

**Sensing and Actuation Portfolio** 

#### **General Sensor Inputs**

- •0-3.3V Sensors
- •0-5v Sensors
- •4-20mA Input Monitoring
- Contact Closure
- Pulse Frequency Input
- Voltage Detection
- •Voltage Monitoring

#### **Interactive Sensors**

- Activity Monitoring
- Asset Monitoring
- •Impact Detection
- Linear Displacement
- •Structural Monitoring
- Gesture
- Vibration
- Accelerometer
- Potentiometers
- Pressure
- •RFID Readers

#### **Environmental Sensors**

- Air Quality
- Barometers
- Color
- Gas
- Humidity
- •Light
- Temperature
- Thermocouples
- •Water Moisture

#### **Spatial Sensors**

- Compass
- Gyroscope
- •Hall Effect
- •Magnetometer
- Position
- Proximity

#### **Power Monitoring**

- Current Monitoring
- •Voltage Monitoring

## **Dashboards**

**System Monitoring Visualization Tools** 



