

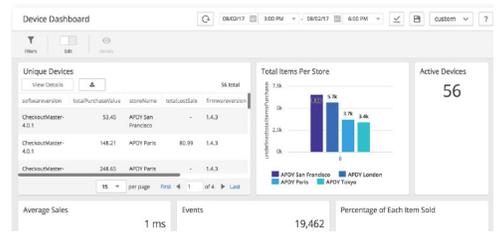
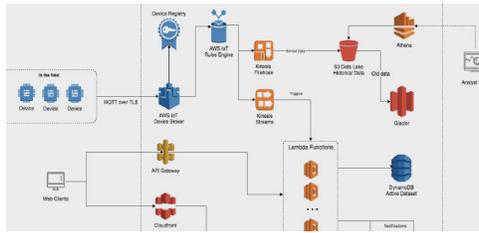
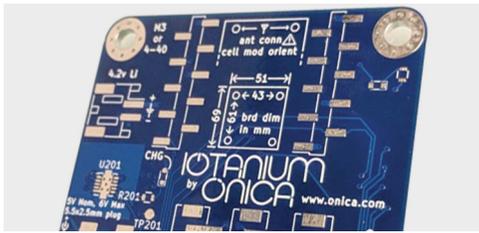
How can IoT accelerate my business?

The connected device economy has arrived. Put yourself at the forefront of this wireless frontier with a cloud-connected product that performs beautifully from the get-go. By leveraging AWS' connectivity, storage, application, and analytics capabilities, you can build IoT-enabled apps quickly and at a fraction of the cost. We'll collaborate closely with you to quickly determine the technical and business requirements of your project, architect a solution that taps the power of Amazon's IoT platform and related tools.

The Onica IoTanium Solution

IoTanium delivers systems of intelligent devices, software platforms and provides actionable analytics and insights on collected data

Three core capabilities make up the offering:



IoTanium Hardware

Rapid Prototype Board

- ✓ Get started immediately with in stock, fully assembled hardware
- ✓ Wi-Fi, BLE, LTE connectivity & multiple sensor options pre-integrated
- ✓ Exposed contacts for external expansion

IoTanium Platform

Cohesive Device Configuration & Management Software

- ✓ Global Connectivity
- ✓ Data Ingestion, storage & Analysis
- ✓ "Everything over the air" firmware updates, device configuration & application updates
- ✓ Device provisioning, management, registration & authentication through the IoTanium Device Dashboard

IoTanium Analytics

Capabilities Include:

- ✓ Data preparation
- ✓ Building & Training ML models
- ✓ Performs inference at edge device in AWS
- ✓ Leverages AWS SageMaker & Onica's Data Science Workbench

Cloud Native Solutions Built by AWS IoT Experts



AWS IoT Core



AWS IoT Analytics



AWS IoT Device Management



AWS FreeRTOS



AWS Greengrass



AWS IoT Device Defender

How we engage:

We'll work with your team to understand your business needs, head off technical hurdles and uncover opportunities. We'll identify the best combination of tools that integrate you current IT directly into the AWS IoT Platform and strategize design specs to meet your business needs.

EDUCATE

1 Day Workshop

- ✓ AWS IoT: Ingest & store data in real-time
- ✓ Building Serverless applications w/Lambda.
- ✓ Strategize design specs to meet your business needs

ACCELERATE

6-week IoTanium Accelerator

- ✓ IoT Architecture & UX Design On-Site Workshop
- ✓ Deliverables: functional IoT device prototype hardware & software
- ✓ Support of prototype for 90 days

DELIVER

Enterprise IoT Solutions

- ✓ Product & business model Dev/Design consulting
- ✓ Prototype IoT device hardware, platform & analytics
- ✓ Onica Data Science Workbench

Onica has helped our clients revolutionize their business with IoT:

FRAC-CHEM (Koch Industries) sought to track the performance of fracking hydration units in remote field locations. Onica developed an IoT Device, software, infrastructure, and application to collect, transmit, parse, and store data. A real-time dashboard was integrated on-site allowing full transparency into deployed hydration units.

Alistair Group needed a solution to manage their group of contractors, drivers, trucks, trailers, and load assignments. We helped build a proprietary serverless application connected to IoT devices on the trucks to manage their subcontractor fleet. The new application streamlined and automated their operations process.

A major theme park operator has a custodial staff responsible for 10,000+ trash receptacles and hundreds of restroom facilities. To handle upkeep more efficiently Onica built and delivered an IoT POC that introduced sensors into receptacles to detect fill level which integrated with an app that identified areas that needed attention.

Local Roots Farms was looking to remotely collect data from farms such as temperature, humidity, CO2, etc. Onica connected the farm sensors to the AWS Cloud, which allowed the collection data to inform decisions around the growing environment to improve harvest and crop yield, saving money while improving quality of the product.