

# Aiotics – Landing Page

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## Data Drives the Digital Revolution

**Over 6 Billion Connected Interconnected Devices Generating 2.5 Million Terabytes of Data Every Day in the IoT**

**Real-Time | Heterogeneous | Dynamic | Complex |**

From video feeds to GPS data, product usage statistics to social media based profiles. Today's sensors, mobile, and wireless technologies are capable of providing real-time data that can yield a far more complete understanding of organizational functions, products, services, and market behavior.

In order to create actionable prescriptive and predictive insight from these diverse inputs; optimized algorithmic models are needed, to sort through the reams of data produced in an intelligent, efficient manner.

## **At Aiotics We Bring the Power of Deep Machine Learning to IoT Data Analytics**

Aiotics is an enterprise-ready AI powered Intelligent Analytics platform, which runs on any IoT connected device. Enabling any machine on its platform to deliver data interpreted through deep machine learning. The result is powerful, innovative, and actionable results that provide advanced analytics in real-time.

We exist to provide solutions that will help businesses in any IOT industry analyze, transform, and innovate their data solutions. We build our analytics software with a complete understanding of those industry trends and patterns which really drive executive decisions in the corporate environment.

## **How It Works**

Our specialized software integrates easily into the normal workflow of your existing functions; ingesting data provided by any IoT-connected machine sensors.

At the same time these technologies are also carrying out constant subsystem level analysis, collecting a wealth of data from your processes.

The software starts to learn from these data inputs, creating focused algorithmic models that only become more intelligent over time after you identify a problem or vulnerability in your systems that you want to resolve or if you decide the type of insight you want the software to provide.

We leverage all current modeling tools to build models that predict outcomes and provide prescriptive insight, no matter the data type. We're constantly updating our modeling code based on new techniques in order to provide the most current tools.

The process is almost completely automated removing the need for time, labor, and cost-intensive model selection, coding, and validation. With our platform, data scientists can develop objective best-practice recommendations for any industry based on on-the-ground circumstances.

### **Instant Integrations**

We take compartmentalized datasets from every IoT-connected device on your system and move it to a centralized and accessible enterprise reporting solution.

This allows all of your data to be collated and manipulated for analytics purposes quickly and easily; saving your organization time and money in the process.

### **Faster Implementation**

Traditional BI software is complex and time-consuming to implement; even more-so for businesses without any in-house capabilities.

As a cloud-based solution, we can speed up the implementation process immeasurably. That means you can be up and running in just a couple of weeks.

### **Customizable Analytics**

Our fully customizable dashboard allows you to pick and choose the SLA/KPI triggers that best allow you to fine tune your business activities.

You can also decide which real-time trends and patterns are most significant. With a built-in notification system that allows the right personnel to take action before situations becomes critical.

## **Software Features**

- Track 3-D objects in real-time across camera networks using a machine learning software that can distinguish moving parts and provide specific GPS coordinates.
- Aiotics software can sort through disparate data of varying types and learn to identify normal behaviors and results; so you don't need to spend time setting rules or micromanaging parameters.
- Decrease the time between detection of statistical anomalies and the reaction with a distributed network of analytics that uses the inherent processing power of each connected device.
- Develop patterns for how objects should move and notify key personnel of any results that fall outside the established trend.
- Analyze how crowds will react based on flow and location and run these factors through multiple hypothetical scenarios to aid event planning.

- Real-time analytics that can build specific models to track the behavior of a variety of objects, scaling up to accommodate any number. These results are used to create individual models for each object that can then be used to predict outcomes in a variety of situations.
- Monitor health, condition, and a variety of other vital statistics for structures and equipment; so you can develop individually effective maintenance routines and significantly reduce downtime.