

# IOT Solutions

## Connecting Internet of Things



The next Industrial Revolution Industry 4.0 has arrived and the entire manufacturing space will undergo a massive change. The changes are primarily driven by -

- ✓ There is an astonishing rise in Data Volumes, Computational Power and Connectivity.
- ✓ Emergence of Analytics and Business Intelligence capabilities
- ✓ New forms of Human-machine interaction such as Touch interfaces, Augmented Reality systems
- ✓ Mobile Devices becoming an integral part and extension of Self.
- ✓ The Internet of Things creating Dynamic, Self organizing , Real time – optimized and Value added connections within and across entities
- ✓ Improvements in transferring digital instructions to the physical world, such as advanced robotics and 3-D printing
- ✓ Ever growing influence of Social Networks as preferred mode of communication, sharing and expressing opinions

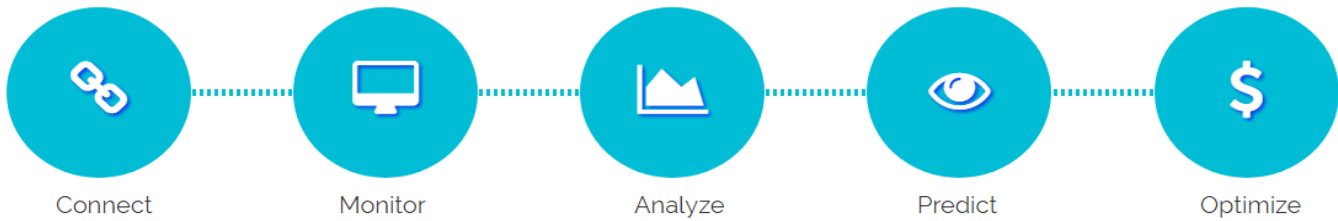
ELITIA understands the technology that drives the change to bring Operational Technology (OT) and Information Technology (IT) on to a common platform

With the explosion of data and advancements, IOT is enabling major advancements in industries to cut costs and raise efficiency in production and manufacturing, not only making their management more effective but making the work itself smarter.

Elitia can connect your business with the new generation of Internet-enabled devices in the cloud, transform your existing business processes and re-imagine your business and customer experience.

We use our expertise and experience in analytics-rich, IoT deployments into its cloud-based platform.

## Our 5 Step approach for IIOT Solutions



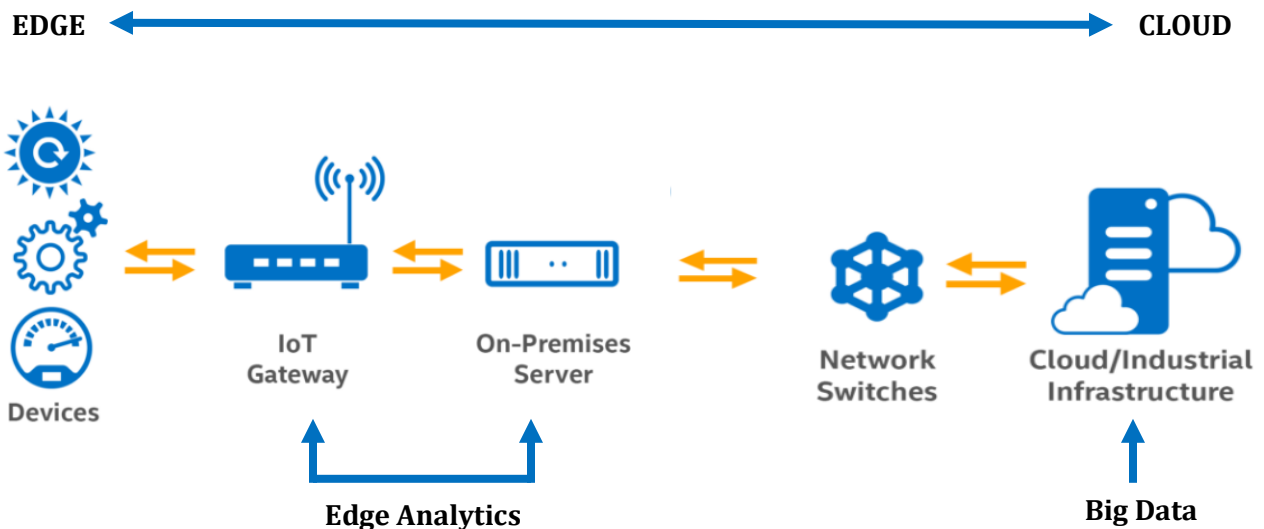
**Business Insider's premium research service expects there will be more than 24 billion IoT devices on Earth by 2020. That's approximately four devices for every human being on the planet.**

- IDC anticipates that the world's data load would be increased 10-folds from 2013 to 2020
- GE estimates that IoT will add between \$10 trillion to \$15 trillion to global GDP over next two decades

## Edge Data Integration

There are specific hardware sensors, industrial controllers or other industrial devices residing on private or potentially proprietary networks at a physical location.

Edge devices are creating quite a challenge for system integrators since most are generally building cloud-based applications which rely on receiving information from IoT devices to accomplish the business goals. There are many challenges that exist in developing a path for this information flow, including: message/ network protocols, bandwidth requirements, redundant data reporting and data routing/orchestration.



## Our Edge integration service will help you:

- Understand the business needs and articulate that information into technical documents
- We have an enterprise perspective of data integration, data quality and extraction, transformation and load (ETL)
- Monetize data effectively and deliver quality data in high-performance environment

## Big Data & Analytics

Large amount of data that are often left untapped by conventional Business Intelligence (BI) and analytics programs, Big Data Analytics applications enable data scientists, predictive modelers, statisticians and other analytics professionals to analyze growing volumes of structured transaction data, plus other forms of data. Big Data Analytics find insights that help organizations make better business decisions.

## Big-Data Processing



Our Big Data professionals have an understanding of the business objectives that are in place along with Analytical & Statistical skills creating new methods to gather, interpret and analyze a data strategy.

With data wrangling and machine learning skills, raw data can be mapped and converted into another format allowing more convenient consumption of the data.

## Security Network

At ELITIA , we provide monitoring and analysis of endpoint machines as it looks for signs of possible intrusions. It identifies incidents that are most likely intrusions and sends alerts, prioritizing and greatly reducing the number of incidents that have to be checked out by human analysts.

Policies are enforced about what specific ports on what machines are allowed to talk to what other ports on what other machines in order to limit that damage a compromised machine can do by limiting what it is capable of doing. The platform also sends alerts when machines try to violate policies so staff can remediate the problem.