

# EXPLORE THE POWERS OF IoT AND ANALYTICS

Find out how IoT, Big Data and Advanced Analytics can unleash new potential in your business processes and products. CGI's unique IoT Explorer concept gets you started fast

The Internet of Things and Big Data hold vast promise to businesses across most industries. When combined with the powers of Advanced Analytics, IoT offers even greater potential.

But for many companies the unanswered why, what and how questions are in the way. Without proven use cases and Proof-of-Concept it is difficult, if not impossible, to get started.

The unique IoT Explorer concept from CGI eliminates those barriers and gets you started quickly - without the need for a large initial investment. It is fast, flexible and fully scalable.

## Business benefits:

- Explore how IoT, Big Data and Advanced Analytics can transform your business, quickly and easily
- Try different use cases
- Obtain Proof-of-Concept
- Gain insights and experience for a sound IoT/Advanced Analytics strategy
- No large initial investment required

# WHAT'S INCLUDED

## The IoT Explorer concept

- Advisory and process facilitation by CGI's IoT team
- IoT sensors that are easily installed in your environment
- CGI developed gateway to collect and pass on sensor data
- Microsoft Azure cloud solution to bring Advanced Analytics, complete with cool dashboard visualizations, to your computers, tablets and smartphones

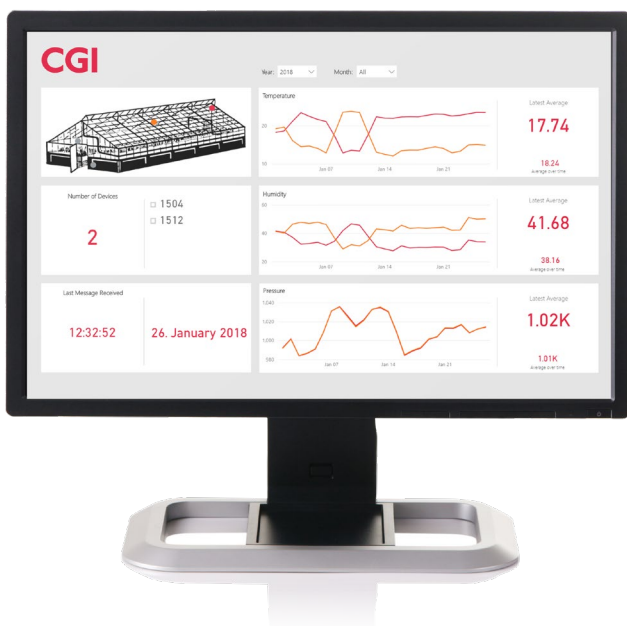
## The sensors

The IoT Explorer concept offers a wide range of standard sensors that connect wirelessly using Bluetooth (Low Energy), Wi-Fi or long-range radio signals. The sensors are easily installed in your environment and support a multitude of use cases and measurements such as:

- Vibration
- Air quality (multiple kind of particles)
- Noise/sound
- Temperature (nearby and long range measuring with infrared)
- Humidity
- Video/images
- Color
- ... and many more

## The gateway

Developed by CGI exclusively for our IoT Explorer concept, the powerful gateway collects and securely transmits sensor data to Microsoft Azure for Advanced Analytics.



## The cloud solution

Microsoft Azure puts numerous Big Data and Advanced Analytics tools in the hands of businesses on a pay as you go-basis. In CGI's IoT Explorer concept, we harness the powers of MS Azure tools to start your IoT journey from Software-as-a-Service, customized solutions and enterprise platforms.

Right out of the box we deliver beautiful and easily read dashboards that show live IoT data directly on your computers, tablets and phones.



# OUR IoT SPECIALIST TEAM WILL LEAD THE WAY

IoT Explorer by CGI is available to your business either as a full "package" or as an extremely flexible leasing model.

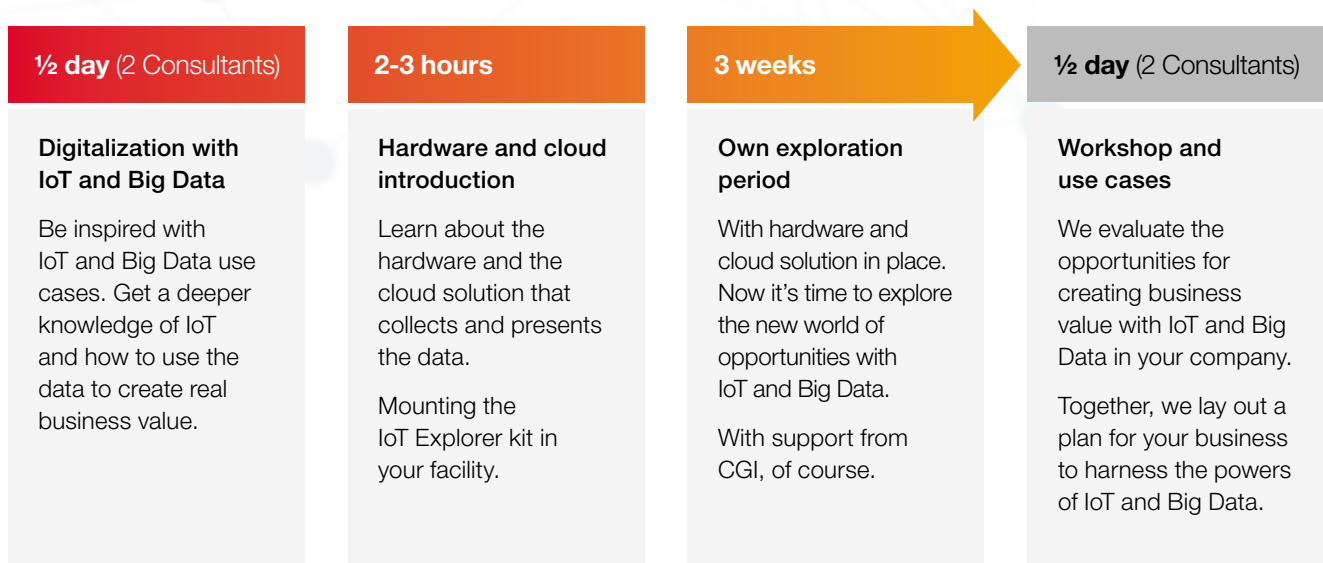
The complete package comes with a high degree of business advisory and support from CGI's IoT specialists: Inspirational workshop, IoT solution advisory, introduction to IoT Explorer kit, own exploration period, evaluation and advisory on future IoT/Advanced Analytics strategy.

As your IoT scenarios evolve, you can choose to lease additional IoT equipment (sensors, gateway and Microsoft Azure access) from us and continue to explore different use cases. Change sensors, expand or reduce the numbers of sensors and try out new ways of applying Advanced Analytics to your collected sensor data. You simply pay as you go.



## Jumpstart your IoT journey

CGI's unique and explorative concept is designed to help you innovate your business. Here's how it works. In just four to five weeks you will have all the pieces needed for a successful IoT strategy:



# THE SUCCESS

We have already helped several companies achieve success with IoT, Big Data and Advanced Analytics. Here are a few examples:



## IoT in manufacturing

We helped an international manufacturing company implement IoT Explorer in one production plant to harvest new types of environmental data previously not available or enabled by the current machines. By using IoT and Big Data analytics, the business gains new insight for optimizing production processes and product quality.



## Digitalizing a mechanical product with IoT

Together with a client's R&D and business development teams, CGI used IoT Explorer to open an entirely new area of business. Using a disruptive approach that combines IoT strategy development with a parallel Proof-of-Concept on selected IoT use cases, the first client pilot was done within a few months, instead of years.



## IoT in work environment for client interaction

With IoT Explorer we support many scenarios and use cases among which are harvesting client or environmental data to be analyzed for spotting trends and anomalies, and getting targeted information for a specific use case in buildings, retail, utilities, etc.

"We were somewhat surprised by the power of IoT and data visualization. One thing is to know in theory that visualization is good. But when you actually can see performance measured against KPIs in real time, it makes even more sense."

Process industry client on IoT project with CGI

Founded in 1976, CGI is one of the world's largest IT and business consulting services firms. We help clients achieve their goals, including becoming client-centric digital organizations, through high-end IT and business consulting, systems integration and outsourcing services combined with a unique client proximity model and global center of excellence network.