Complete End-to-End IoT Solutions

– from Devices to Valuable Data

DEVELCO

Technology Development Partner

TRIFORK

Your IoT Business Idea

- the Process from Development of IoT Devices for Data Collection to Cloud Solutions with Secure Business Data

Development of Hardware and Edge Computing

In your IoT business case you need to collect data from machines, products, and/or factories to gain further insight in the value chain of your company. We are experts in development of hardware, embedded software, edge computing, and mechanics for your IoT sensors, gateways, and other devices to collect the desired data and transmit it to the Cloud.

Production Management

With more than 30 years of experience in electronics production of IoT devices from ideas to final products, we can offer you a fully managed device production. Your IoT devices will be produced in co-operation with strategically selected EMS partners (Electronic Manufacturing Services).

Usage Scenarios

The purpose of collecting and structuring IoT data is to create added value for you, your company, and/or your customers. This can for example be:

- Insight via informative dashboards and data analysis in a Business Intelligence solution
- Abnormality detection using Machine Learning
- Mobile/tablet application for operational use in everyday life
- Integration with the company's backend system such as an ERP system

The possibilities are many, and the most important task for your IoT business case is to find exactly the usage scenarios creating value for you and your users and in this way strengthening the success of your IoT solution.

Connectivity

For your IoT solution we look at data volume, range, environment, and other important factors, before we choose the best Connectivity solution with wired communication or wireless communication via SIM cards or communication protocols such as LoRa, Bluetooth Low Energy BLE, and Thread. If your company needs to collect large data volumes from many IoT devices, a gateway is often the right technology solution to collect and transmit all your data to the Cloud.

Data Collection

Data from your IoT devices is collected in the Cloud to provide insight and the possibility of different usage scenarios. Security is an essential element, including the guarantee that only approved devices can deliver data to your system via a secure connection. At the same time, it is important to consider whether a private Cloud solution should be used instead of a public Cloud solution, for instance because of sensitive data.

Data Storage and Processing

Once your data has been received in the Cloud, it is stored and prepared so that you can subsequently use it for various purposes. This includes transformations, normalization, calculations, and aggregation. The result is that your data, delivered via a secure connection, is structured and stored so that it is ready for use in your solution.

New Products - New Data - New Business

Your IoT Business Cases

IoT solutions are implemented in many industries: Smart Health, Smart City, Smart Enterprise, Smart Farming, Smart Home, and many other industries. Develco and Trifork are ready to develop complete tailored End-to-End IoT solutions for your industry and your company.

One IoT Contractor

Develco and Trifork are two companies in the same group and have strong technological competences. Consequently, when choosing Develco and Trifork to develop your new IoT solutions, you co-operate with one IoT Contractor taking responsibility for your IoT solutions from start to finish.

Workshops

The decision to implement IoT solutions is a big and difficult process for many companies. Therefore Develco and Trifork offer individual workshops about Digital Strategy for IoT solutions, qualification of product idea, concept clarification, and other specific challenges, so that your company moves forward in the process making decisions on IoT.

Flexibility

In the management of your IoT projects we work flexibly. If the requirements specifications for your IoT solutions change during the process, we will co-operate with your company to adapt the development of the solutions to the new needs.

Cybersecurity

Many companies experience cybercrime and hacking of sensitive data. As a consequence of these market conditions Develco and Trifork are already thinking Cybersecurity into the idea phase of your IoT projects and implementing security throughout the development process.

Complete Tailored End-to-End IoT Solutions

Develco and Trifork develop your complete End-to-End IoT solutions based on your company's needs. From hardware development of devices with embedded software and Connectivity to presentation of valuable and secure data in the Cloud. We guide your company through the entire development process from ideas to finished complete End-to-End IoT solutions with product supplies and maintenance of the Cloud.

Your Data – Your IoT Solutions

New technology with digitization, IoT, Cloud, Business Intelligence, Machine Learning etc. provides the possibility of collection and analysis of Big Data. After completion of your IoT projects, your company naturally owns all data, IP rights, and source code for the developed solutions, just as all future collected data is your property. The analysis of the collected and valuable data can be an important source for new business opportunities with new technology products and services for your company.

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