

Join the Internet of Things

Change the game – from selling products to become a service provider

Introduction

The Internet of Things will change the game for many companies. As new advanced technologies emerge, companies will be forced to rethink their business.

You can add intelligence and functionalities to your product with sensors using RFID transmission. Instead of supplying a simple product, you can now deliver data and knowledge. In other words, you are able to create your own Internet of Knowledge.

How does this work?

What will you need to revolutionise your product and be connected to the Internet of Things?

These three elements are the answer:

- Sensors
- Connectivity
- Cloud access

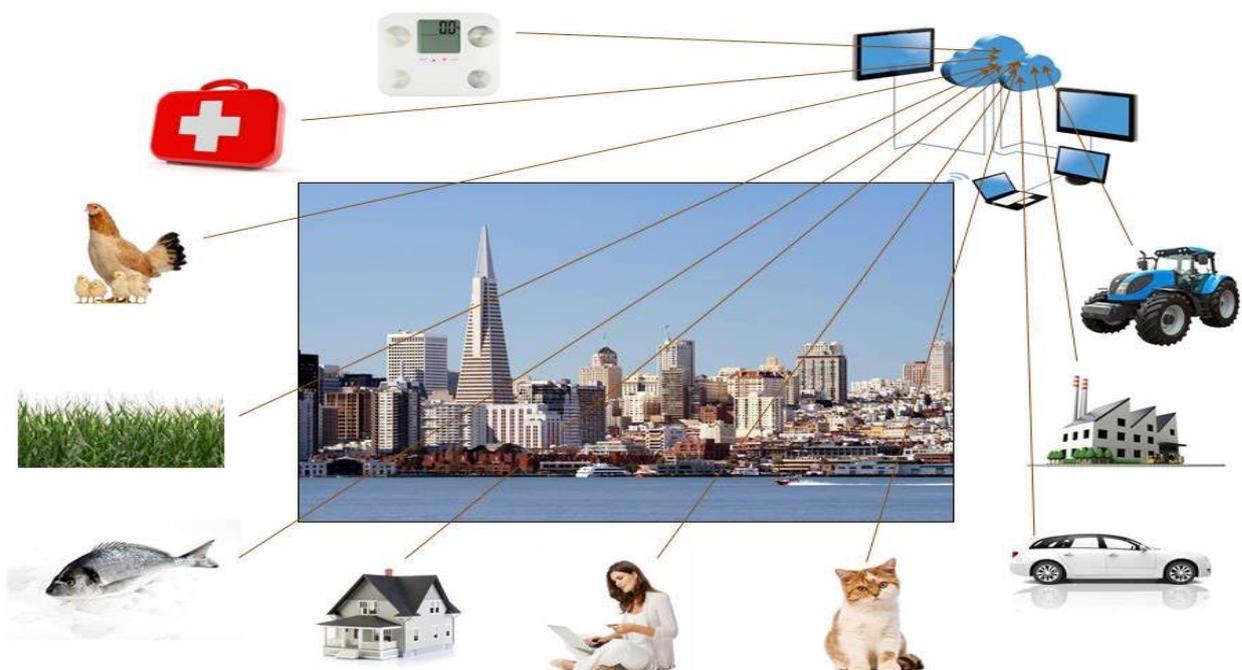
Passive battery-less wireless technology is a successful constellation. With wirelessly connected sensors you can create your own private Internet of Things.

If you want to log a temperature or read other sensor data, you simply approach the reader to the sensor. The reader not only reads the data, it also powers the wireless transmission. Your data is then sent to a cloud for further processing or remote access.

Who will benefit?

Many industries will benefit from intelligent and wirelessly connected products. Examples of applications are:

- Remote site monitoring
- Personal safety
- Home security
- Traffic safety
- Tracking



- Inventory control
- Power Management
- Cold chain
- Fraud detection

Get your own

DELTA Microelectronics offers a new technology platform that enables you to take your product online and reduce the time to market.

We have designed a standard RFID chip which can be interfaced to your software and customised packaging to provide you with the unique product for your market. This shortens the time to proof-of-concept and finished product and results in lower risk and faster return on investment. We call this chip THOR.

If you need a customised chip, we are able to modify the standard chip to suit your specific needs.

DELTA's vast network of partners enables us to supply you with the specific packaging solution you need; chip, label, key ring, wrist band...

Chip data

The RFID chip is designed with dual protocol conforming to the ISO 14443A and ISO 15693. It has an analogue front-end, a temperature sensor, a microprocessor unit (MPU), a serial peripheral interface (SPI) bus, a 16-bit analogue to digital converter (ADC), memory (RAM and EEPROM), and it can be operated either with or without battery. See more at rfid.madebydelta.com.



For further information please contact us

asic@delta.dk