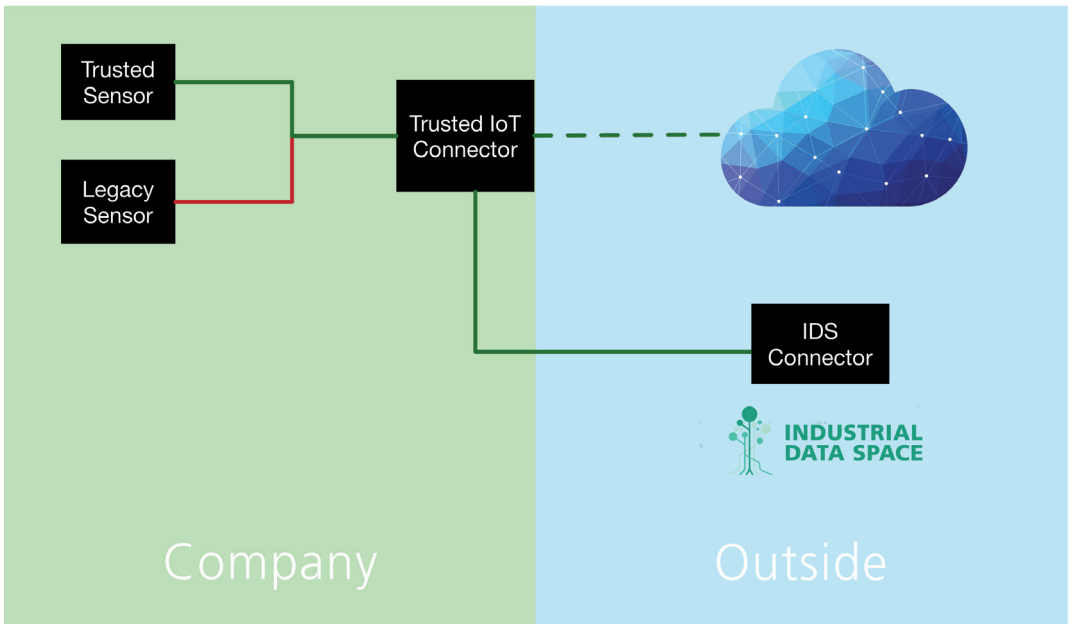


# TRUSTED IoT CONNECTOR



## Enabling Security for the Internet of Things (IoT)

Data from IoT devices is increasingly used as the foundation for complex applications and business processes. However, IoT devices are often vulnerable to attacks: Insecure configurations currently lead to high infection rates of devices by malware. The consequences are fatal if enterprises continue to base critical decisions on data of compromised devices.

The “Trusted IoT Connector”, developed by Fraunhofer AISEC allows for a secure usage of the Internet of Things even for critical processes. It ensures that only trustworthy and non-manipulated devices are used for crucial decisions. A secure execution environment, based on containers, enables the pre-processing of data by apps in the “Connector” itself. Through the enforcement of usage control, it is guaranteed that the data is only used for its designated purpose. In this way, new business models can securely be enabled within the Internet of Things.

## How secure is the Internet of Things?

- We analyze the security of your existing IoT landscape
- We develop concepts for the secure usage of IoT technologies in your company
- We advise you on the development of secure IoT devices, sensors and connectors
- We integrate our security technologies (e.g., trusted connector) into your existing products

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### About Fraunhofer AISEC

Fraunhofer AISEC, one of the leading research institutions in Europe, is focused on development of application-oriented security solutions and their precise and tailored integration into existing systems. Core competences of over 90 scientific and technical members of staff lie in the areas of hardware security and the security of embedded systems, product and intellectual property protection, network security, and security in cloud- and service-oriented computing.

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