EnOcean IoT Connector Intelligent Transforming

Marian Hönsch marian.honsch@enocean.com www.enocean.com/iot-connector

Executive summary





EnOcean IoT Connector

Intelligent Transforming

For IoT system integrators and application providers:

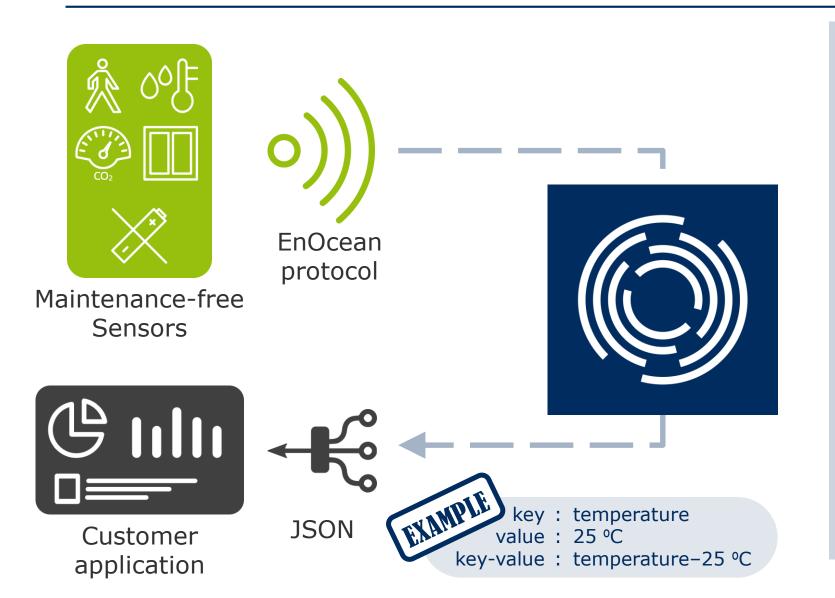
- Easiest way to integrate EnOcean devices
- No middleman between you and your data
 - exclusive control over the data flow
- Lowest connectivity cost
 - leverage existing building infrastructure & cloud computing
- Instant deployment and updates on premises or in the cloud
 - get it via the Azure Marketplace or similar

The EnOcean IoT Connector:

- is a software
- is available as a Docker container image
- transforms EnOcean IoT data (EEPs) and sensor health into a standardized format – "Key-Value pairs" in JSON

Applications in smart buildings with sensors data





EnOcean protocol:

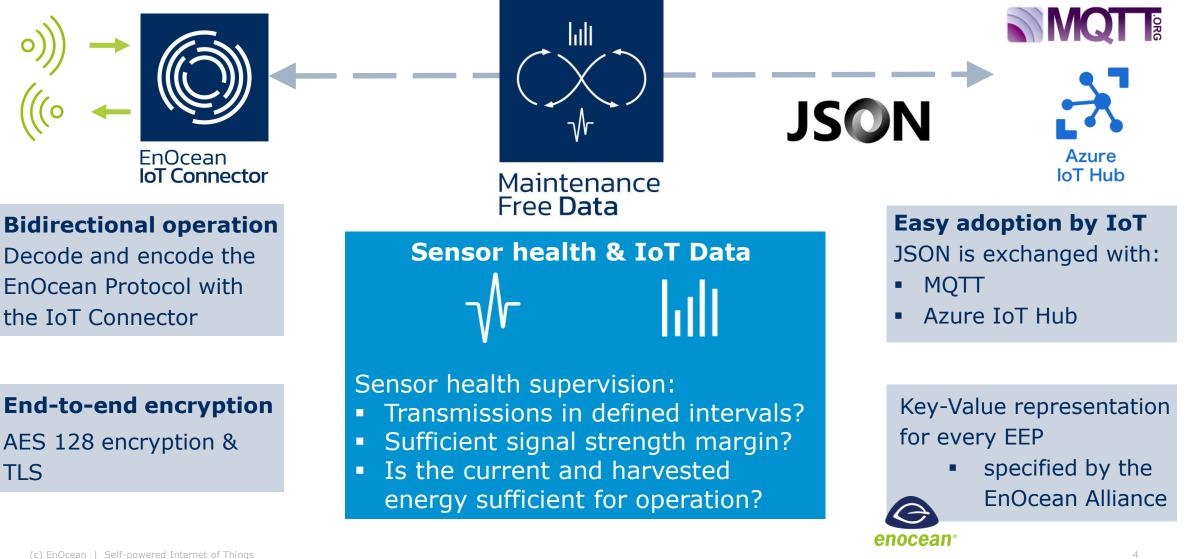
- Highly optimized for maintenance-free sensors
- Post processing algorithms required to decode IoT data

Customer application:

 Consumes IoT data in "Key-Value pairs" format e.g. JSON

The EnOcean IoT Connector does the transformation and much more.

Integration of EnOcean products is now easier than ever before

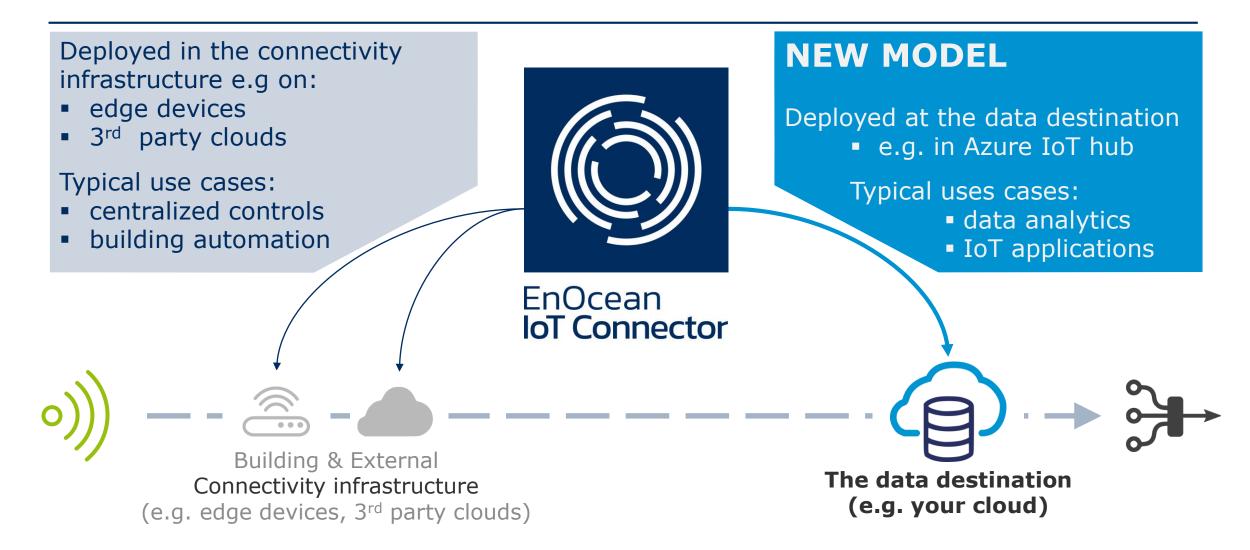


EnOcean

Self-powered IoT

EnOcean IoT Connector can run anywhere





Leverage existing building infrastructure



Example: Aruba Access Points

- Standard support in Aruba OS
- Aruba AP talks directly to the EnOcean IoT Connector
- No additional gateway needed

In complete scenario:

 You have exclusive control over the data flow aruba

Leveraged building infrastructure (e.g. Aruba Access Point)

Reach lowest connectivity cost

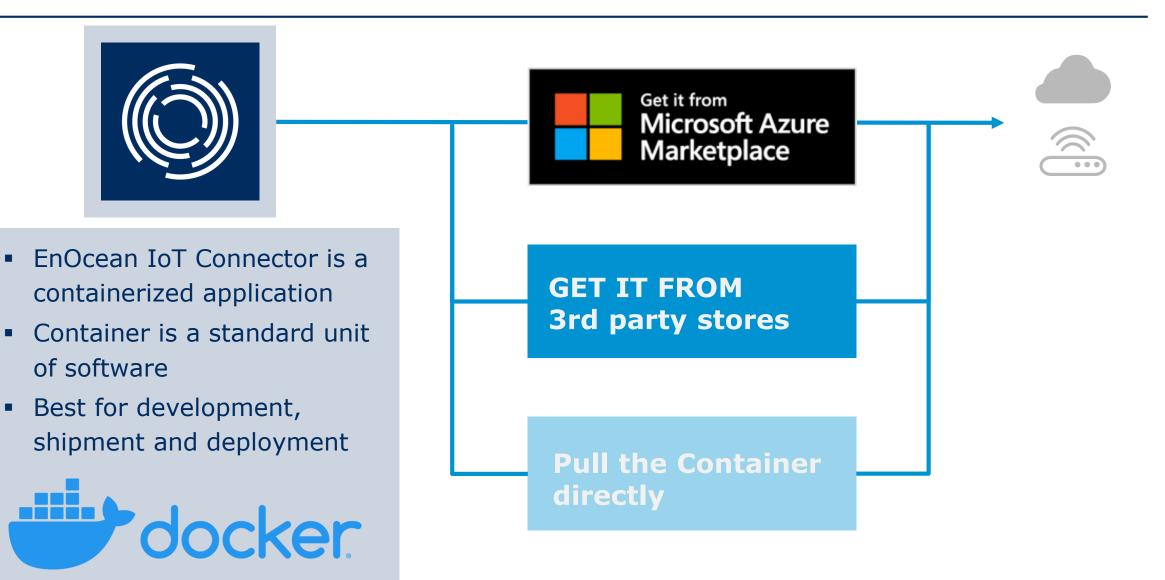
- Upgrade an existing infrastructure (e.g. Wi-Fi AP) with an EnOcean USB stick
- Get traffic from existing EnOcean buildings

+ IoT Connector in your cloud

c) EnOcean | Self-powered Internet of Things

Instant deployment and updates





The Management API onboards sensors to the EnOcean IoT Connector



EnOcean IoT Connector API ⁰⁰¹ ^{0AS3}	
The API to manage devices for the EnOcean IoT Connector.	
Servers https://virtserver.swaggerhub.com/enocean-cloud/ManagemenAPliot/1.0.0 - SwaggerHub API Auto Mocking	
пцр.лип.зетчет.зwaggethub.com/enocean-ciouu/managemeniArnov1.o.v - Swaggethub Art Auto mocking	~
Export & Import	\sim
GET /export	
POST /importOverwrite	
EnOcean Entity.	\sim
POST /device	
PUT /device	
GET /device	
DELETE /device	
Vitality	\sim
GET /vitality/status	
PUT /vitality/status/{value}	
GET /vitality/device/status/	

Features of Management API:

- Easily onboard (add, edit, remove) sensors into the EnOcean IoT Connector
- OAuth2 support
- OpenAPI
- BackUp possibility

Available as:

- Direct calls
- Web interface (OpenAPI)
- EnOcean Tool (iOS, Android) for NFC interface





You focus on your expertise &



EnOcean Int Connector delivers the data.

- Try new applications and do quick POCs
- Simple to scale up and to deploy



For details & contact see <u>https://www.enocean.com/iot-connector</u> marian.honsch@enocean.com