

# CloudRail lets you start your IIoT journey by...



1

**...enabling faster IIoT projects at lower cost**

- Automated Plug&Play device provisioning connects industrial assets to any cloud in hours instead of weeks
- Centralized & cloud-based management lowers maintenance costs
- Hardware installation by customers' staff, no on-site configuration required

2

**...providing secure edge-to-cloud communication**

- Fulfilment of IT security- and compliance requirements of enterprise customers from industries such as FMCG, Pharma & Healthcare and Industrial Equipment
- Automatic remote updates and security patches

3

**...allowing future-proof data acquisition**

- One standardized solution for brown- and greenfield data acquisition
- Scalable solution from the first PoC to the roll-out of an IIoT-ecosystem with up to millions of installations

4

**...working with a strong distribution and partner network**



5

**...avoiding IT and OT provider lock-in**

- Flexible usage of all leading cloud-providers or on-premise systems
- Compatibility with all main OT equipment vendors (IFM, SICK, Pepperl+Fuchs, Turck, Balluff, Endress+Hauser etc.)

# Scalable, Plug&Play IIoT device management in Brown- and Greenfield set-ups



## 1 One Powerful Connectivity Solution

### Brownfield

- **>12,000 sensors** supported for IIoT retrofitting (SICK, P+F, ifm, Turck, Balluff...)

### Greenfield

- **Connect any OPC-UA** source like PLCs, SCADA systems or PTC Kepware

## 2 Central & Cloud-based Management

- **Central management, monitoring and configuration** of all devices
- **Enterprise security** concept using end-to-end encryption, TPM<sup>1)</sup> and failover scenarios
- **Remote firmware updates** provide new features and long-term compatibility

*1) Trusted Platform Module: standard (ISO/IEC 11889) for encrypted microprocessors*

## 3 Plug&Play Device Provisioning

- **Automated device provisioning** to any cloud-platform
- **Remote multi-site roll-outs** without local configuration
- **Smart data normalization** for over 12,000 industrial sensors

## 4 Edge Computing

- **Run logic locally** with edge computing on the **CloudRail.Box**
- Support of **Azure IoT Edge** or **CloudRail Edge Functions**
- Pre-process data, perform **machine learning** or control time sensitive tasks