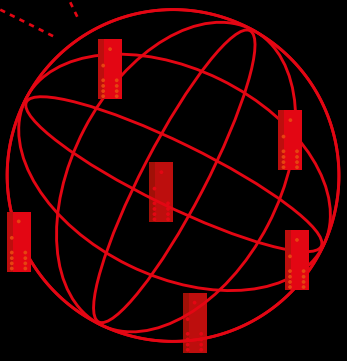
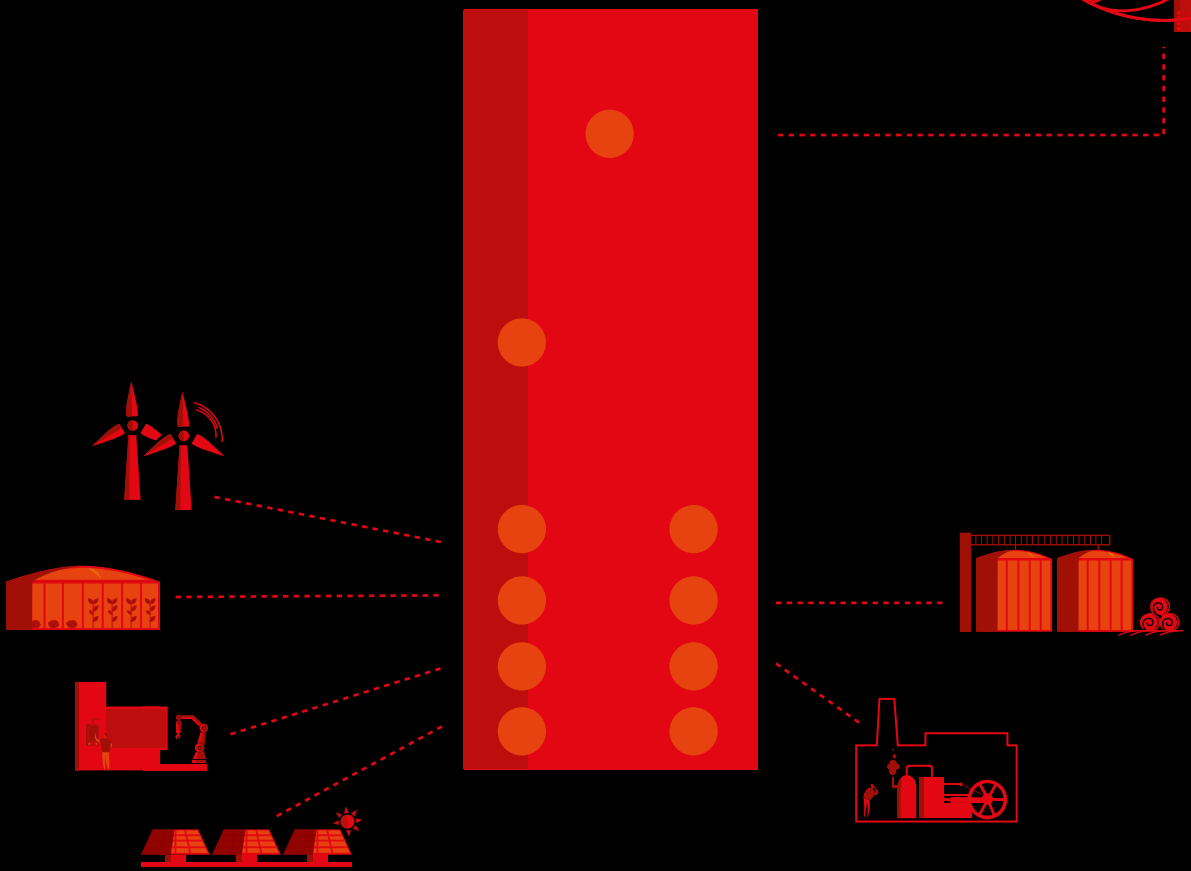
hilscher
COMPETENCE IN COMMUNICATION

sensorEDGE

INSTANT OVER-THE-CLOUD IO-LINK DATA PROVISIONING





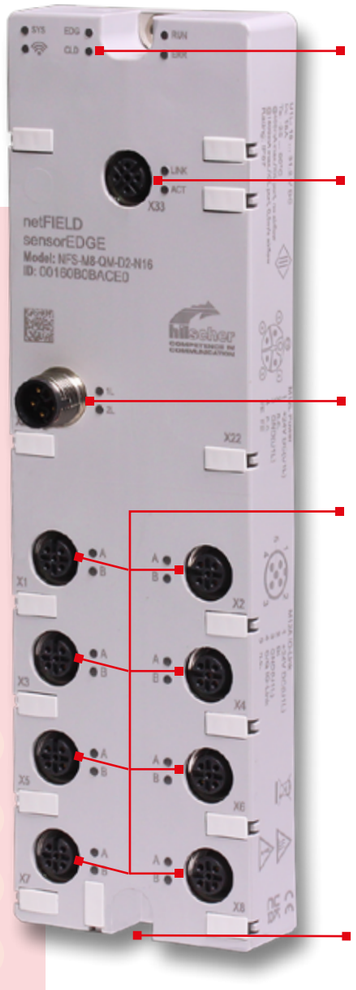
8 SENSORS REMOTELY MONITORED AT MINIMUM RATE OF A SECOND

sensorEDGE aggregates data of up to 8 IO-Link sensors and transfers them to a cloud at a minimum rate of a second.

The **sensorEDGE**s are managed in a cloud portal where the data can be visualized. Using the cloud API allows streaming the data into own applications in real-time.

OVER-THE-CLOUD IO-LINK SENSOR BLOCK

- **PLUG AND PLAY**
  No fieldbus and PLC, Internet is enough. IO-Link sensors are auto-detected
- **8 IO-LINK CHANNELS**
  Ideal for multi-sensor applications with scope-limited local amount of data points
- **HIGH TRANSMISSION RATE**
  Data exchange down to once per second for reactive and time sensible applications
- **LOCAL WEB INTERFACE**
  For easy initial onsite IO-Link parameterization of complex sensors



Status indicators for rapid on-site visual diagnostics in case of trouble

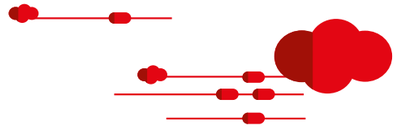
Uplink to the cloud or access to local web user interface

24 V DC powering

8 IO-Link master ports with status indicators suitable for class A type of input sensors

Drilling holes for secure wall mounting for maximum protecton against vibration and shock forces

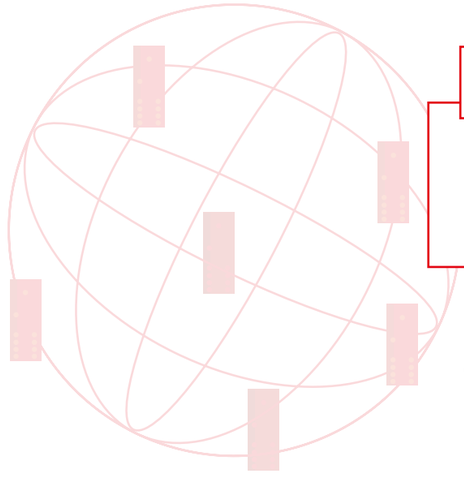
JUST CONNECT AND FETCH DATA WORLDWIDE INSTANTLY



- **CENTRAL ORCHESTRATION**
  Device management, diagnostics and update at any time and from anywhere
- **FLEXIBLE WEB DASHBOARDS**
  Configurable widgets for visualizing the sensor values online
- **REST API CONNECTOR**
  Reactive interface to fetch data for analysis, storage or forwarding purposes

YOUR SENSOR DATA MONITORED ANYWHERE AT ANY TIME

- **AROUND THE CLOCK**
  Event driven data reception via WebSocket stream in 24/7 operation
- **EAVESDROP SECURE**
  End-to-end encrypted plus secret API key for maximum data protection
- **EASIEST USAGE**
  API programming example in javascript, c# and as Node-RED node



***sensorEDGE** is based on Hilschers **netFIELD** technology and is a prime life example for a succsessful **netFIELD** based project.*

For further information about **netFIELD** please visit **www.hilscher.com/netFIELD**

FACT SHEET - THE TECHNICAL DATA

IO-Link

Connectors 8 x M12 A-coded, female; 5-pole

Master class Class A: Specification V1.1

Operation mode IO-Link, Sensors only

Supply Current At least 1A per port

Commissioning Auto detection, Web tool optional

Short-circuit proof yes

Ethernet

Connector 1 x M12 D-coded, female; 4-pole

Standard IEEE 802.3, 10BASE-T/100BASE-TX

Communications TCP/IP Port 443, AMQP Port 5671

Auto-Negotiation/-Crossover yes

Power Supply

Connector 1 x M12 L-coded, male; 5-pole

Voltage 24 V DC (18 ... 31.2 V DC)

Rated current 16A

Environment

Temperature (operation) -25 ... +60°C

Temperature (storage) -40 ... +85°C

Protection class IP67

Geometry

Dimensions (LxWxH) 200 x 60 x 20 mm

Mechanics

Weight 420 g

Conformity CE

Data transmission

Cloud uplink data min.1x/second, health: 1x/minute

API fetch WebSocket based, event driven

Commercial

Device One-off costs, incl. 12 month usage time

Cloud usage Subscription

Article Name	Part Number	Description
NFS-M8-QM-D2-N16	1915.230	Over-the-Cloud IO-Link Sensor Block

HEADQUARTER

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