

iID[®]COLLECTit **Ecosystem**

Collect your IDs

Step-by-step RFID/NFC data capture
from simple tags to a fully integrated
digital solution.



Why RFID/NFC?

For labeling and asset tagging, many companies still rely on QR codes. Here is why RFID/NFC is the better choice in industrial environments.

Feature	RFID/NFC	QR-Code
Rewritable	✓ Supported	✗ Not supported
Smartphone compatibility	✓ Supported (NFC)	✓ Supported (camera)
Durability	✓ High	Limited
Memory / storage	✓ Supported	Limited
Security (encryption)	✓ Optional	✗ Not supported
Sensor capable	✓ Supported (TELID® Sensors)	✗ Not supported
Automation	✓ Fully supported	✗ Not supported
Multi-tag reading	✓ Supported	✗ Not supported
Maintenance	✓ Maintenance-free	✗ Needs physical upkeep

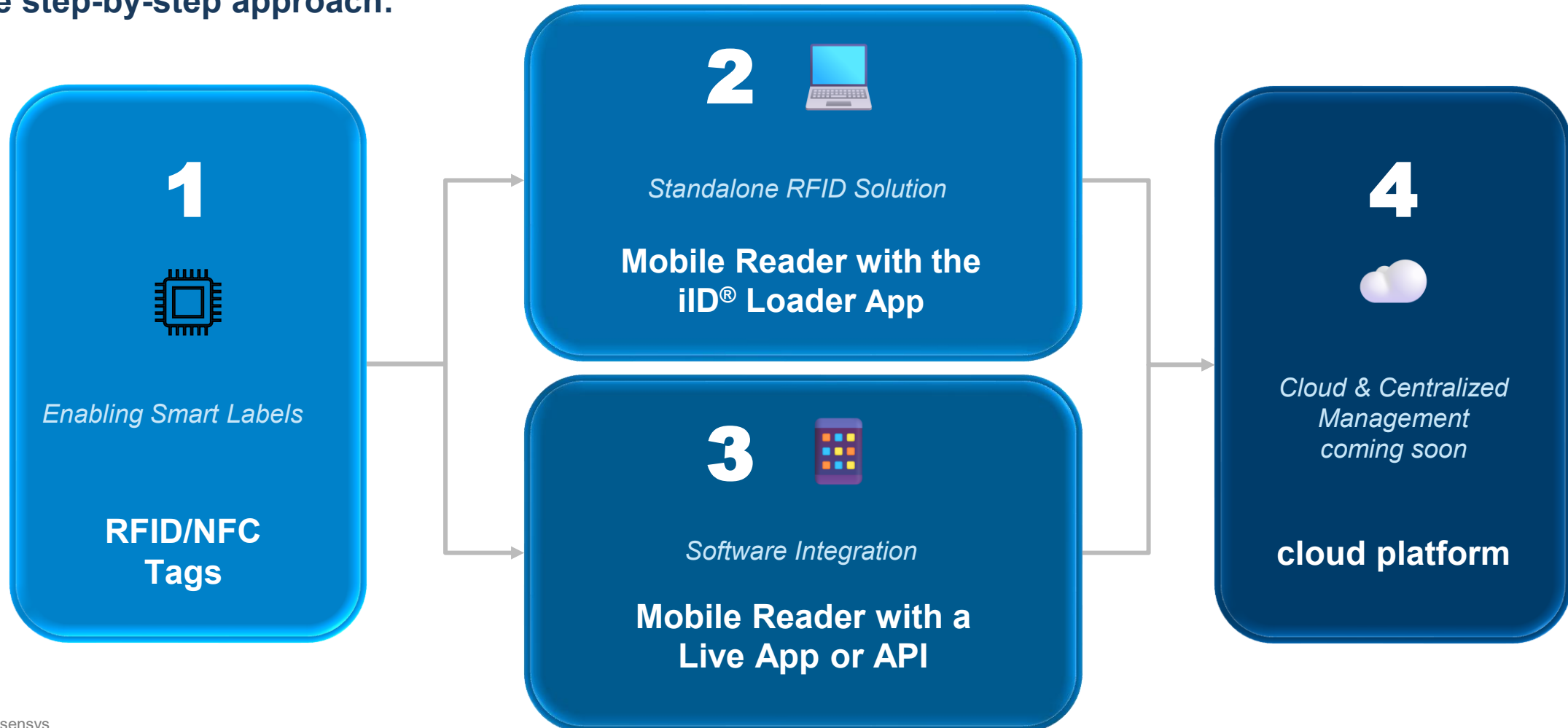
RFID/NFC is the future-proof choice: maintenance-free, contactless, robust, and expandable with real sensor data.

QR code represents all optical recognition methods; traditional barcodes perform even worse in most categories.

What is iID[®] COLLECTit?

iID[®] COLLECTit is the product ecosystem by microsensys for step-by-step RFID data capture. We support customers from day one through to a fully integrated solution.

The step-by-step approach:



Our Products Equipment

Transponder (Smart Tags/Labels)



- ☐ HF/NFC (ISO 15693) for short range
- ☐ UHF (ISO 18000) up to several meters
- ☐ Dual-Tag (HF + UHF in one tag)
- ☐ For metal, liquids, extreme conditions

+ TELID® Sensor Tags

Temperature · Humidity · Pressure · Acceleration



Readers

Readers and tags are matched:
HF/NFC tag → HF reader
UHF tag → UHF reader



iID® POCKETwork PRO

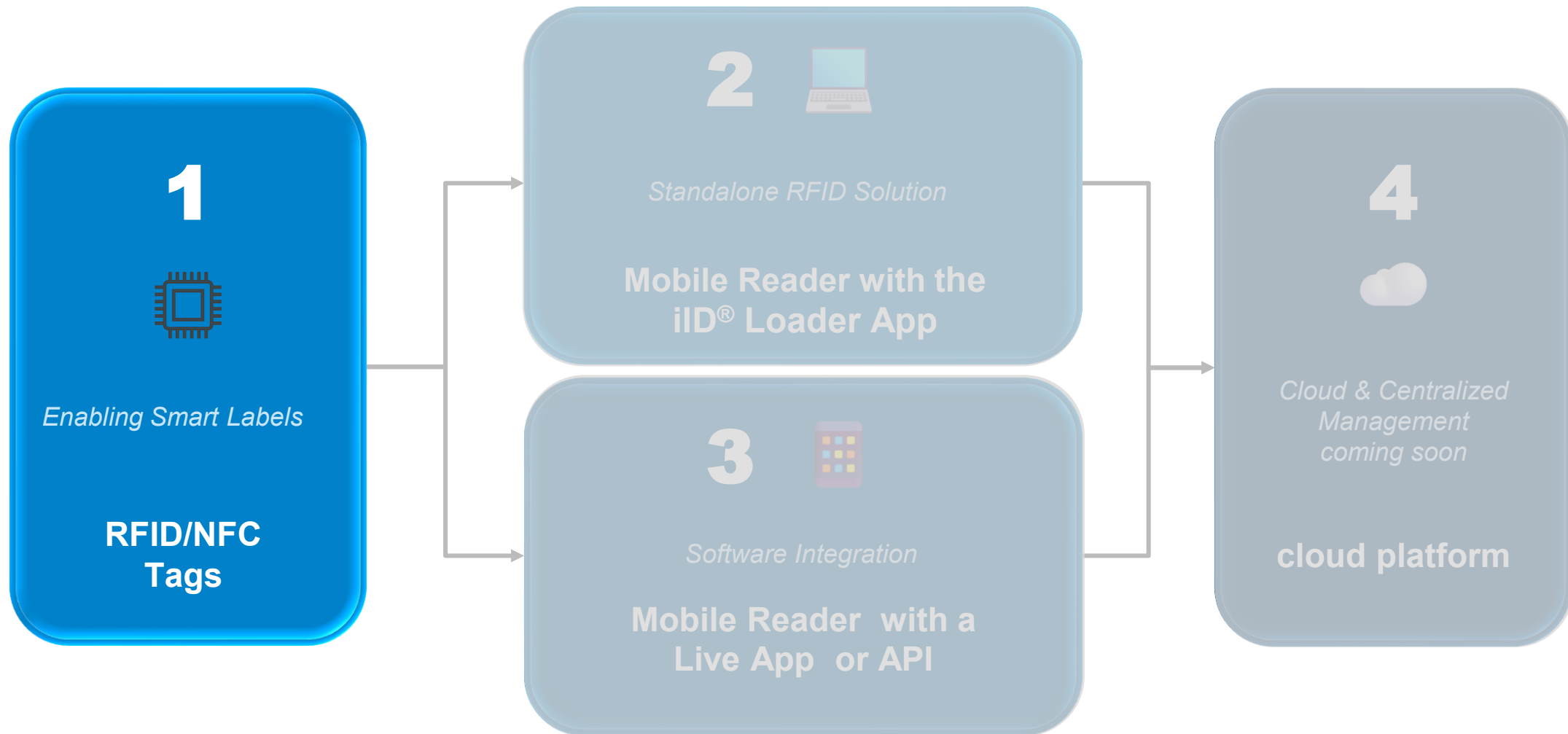
- ☐ HF/NFC (ISO 15693, ISO14443)
- ☐ OLED display
- ☐ Offline storage



iID® PENsolid PRO

- ☐ HF / NFC (ISO 15693, ISO14443) + UHF (ISO 18000-6, EPCG1-Gen2)
- ☐ Pen form factor
- ☐ Patented · HID mode

Upgrading Printed-only Labels Into Smart Labels



Upgrading Printed-only Labels Into Smart Labels



Object Identification with RFID-Enabled Digital Label Plates

- ☐ All objects can be uniquely identified using digital label plates.
- ☐ Each label plate is equipped with an integrated **RFID transponder**.
- ☐ The transponder can operate on **HF / NFC, UHF, or dual-frequency technologies**, enabling flexible use across different applications.
- ☐ In addition to RFID functionality, the label plate can be visually **customized with barcodes, QR codes, serial numbers**, and other relevant information.
- ☐ The transponder can be embedded in **metal** plates or other materials and is available in **various sizes, colors, and shapes** to meet specific requirements.

Upgrading Printed-only Labels Into Smart Labels



Pre-configured RFID/NFC:

- **Object IDs or equipment numbers** can be pre-written by us onto the transponder.
- Easy **setup tools** are available for **on-site configuration**.

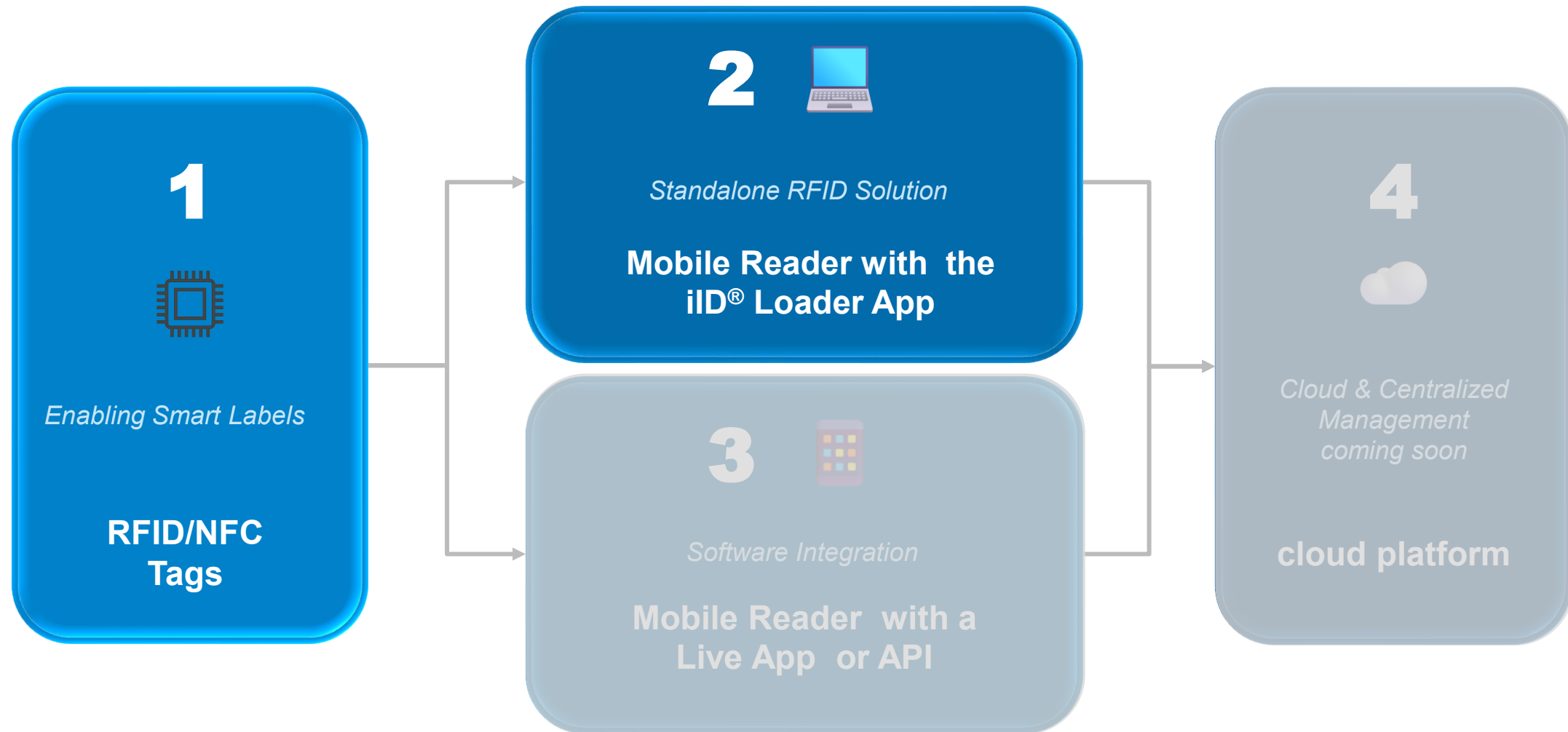
Sensor transponders:

Transponders can capture a snapshot of **temperature, pressure, or humidity** measurements.



Standalone RFID Solution

Tags with Reader and iID® Loader App



Standalone RFID Solution Tags with Reader and iID® Loader App



2- Transfer
collected data
to PC

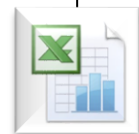


1- Collect data in
the reader's memory

Offline iID® Loader App

#	Zeitstempel	ID (Tag)	Kategorie	Location	Temp (°C)
1	2026-05-13 07:12:03	25SQCMICSTAG00101	Maintenance	Fertigung Halle A	21.4 °C
2	2026-05-13 07:45:18	25SQCMICSTAG00102	Field Service	Keller West	18.7 °C
3	2026-05-13 08:03:55	25SQCMICSTAG00103	Maintenance	Lager EG	22.1 °C
4	2026-05-13 08:31:42	25SQCMICSTAG00104	Inspection	Serverraum	19.3 °C
5	2026-05-13 09:14:07	25SQCMICSTAG00105	Field Service	Fertigung Halle B	23.8 °C
6	2026-05-13 09:52:33	25SQCMICSTAG00106	Maintenance	Technikraum OG	20.5 °C
7	2026-05-13 10:08:21	25SQCMICSTAG00107	Calibration	Keller Ost	17.9 °C
8	2026-05-13 10:44:59	25SQCMICSTAG00108	Field Service	Büro 2. OG	24.2 °C
9	2026-05-13 11:17:36	25SQCMICSTAG00109	Maintenance	Außenlager	15.6 °C
10	2026-05-13 11:39:14	25SQCMICSTAG00110	Inspection	Fertigung Halle A	22.7 °C
11	2026-05-13 12:05:48	25SQCMICSTAG00111	Field Service	Umspannwerk	21.0 °C
12	2026-05-13 12:58:02	25SQCMICSTAG00112	Calibration	Lager UG	16.3 °C
13	2026-05-13 13:22:17	25SQCMICSTAG00113	Maintenance	Werkstatt EG	23.5 °C
14	2026-05-13 14:01:44	25SQCMICSTAG00114	Field Service	Keller West	18.1 °C
15	2026-05-13 14:33:09	25SQCMICSTAG00115	Inspection	Fertigung Halle B	22.9 °C

3- Generate
reports



Standalone RFID Solution

Tags with Reader and Desktop App



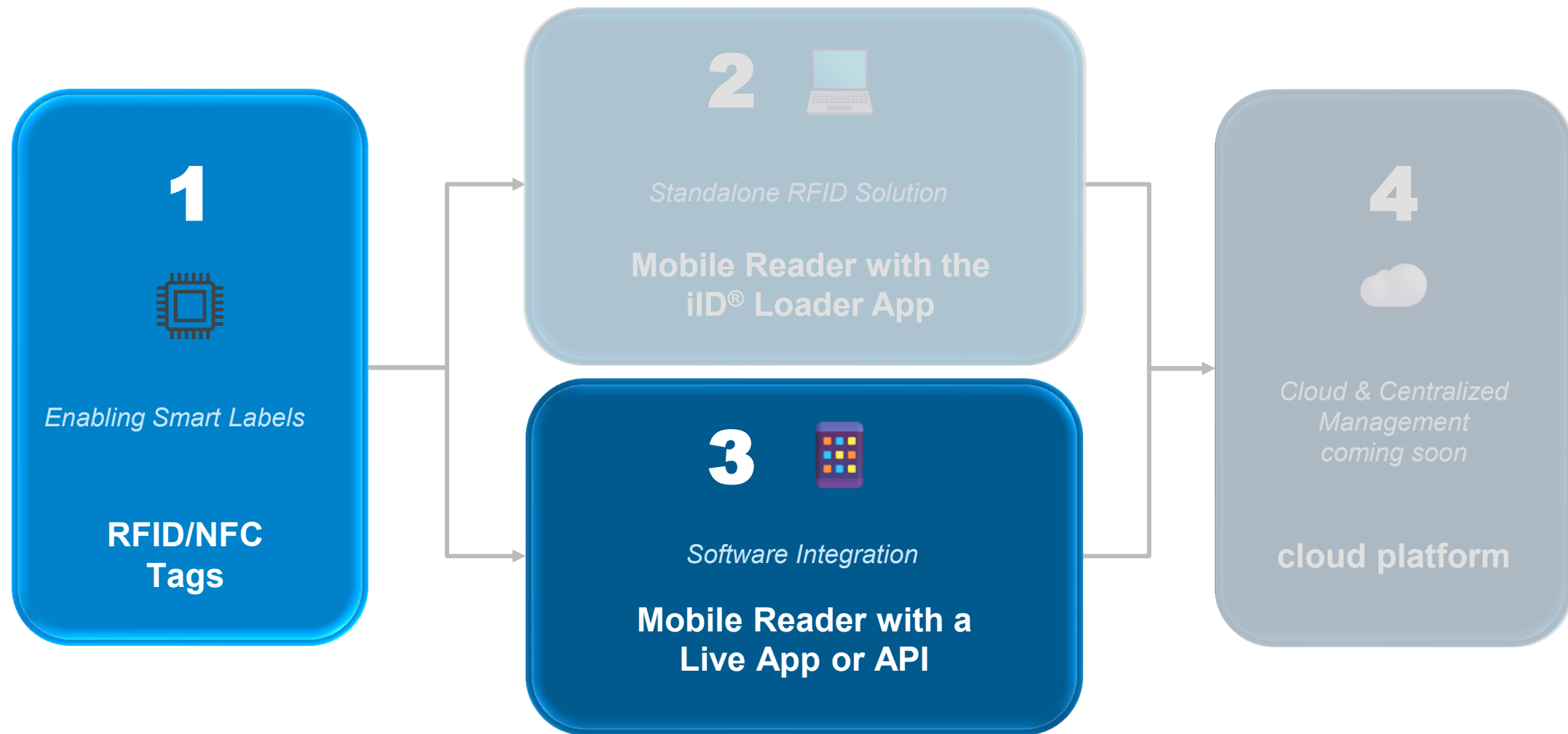
Read RFID transponders with our mobile readers and transfer collected data offline to the **iID® Loader App** for report downloads.

- ☐ You can **read and collect data** from the label plates using our **mobile readers iID® POCKETwork PRO or iID® PENsolid PRO**.
- ☐ With the SPC/MPC function, the **collected data** is **automatically saved** in the device's **internal memory** along with a **timestamp**.
- ☐ The stored data can be downloaded and **transferred at any time**, even **offline**, using our **iID® Loader App**.
- ☐ Additional options for **data selection** and **report generation** are available based on your needs.

Standalone RFID Solution



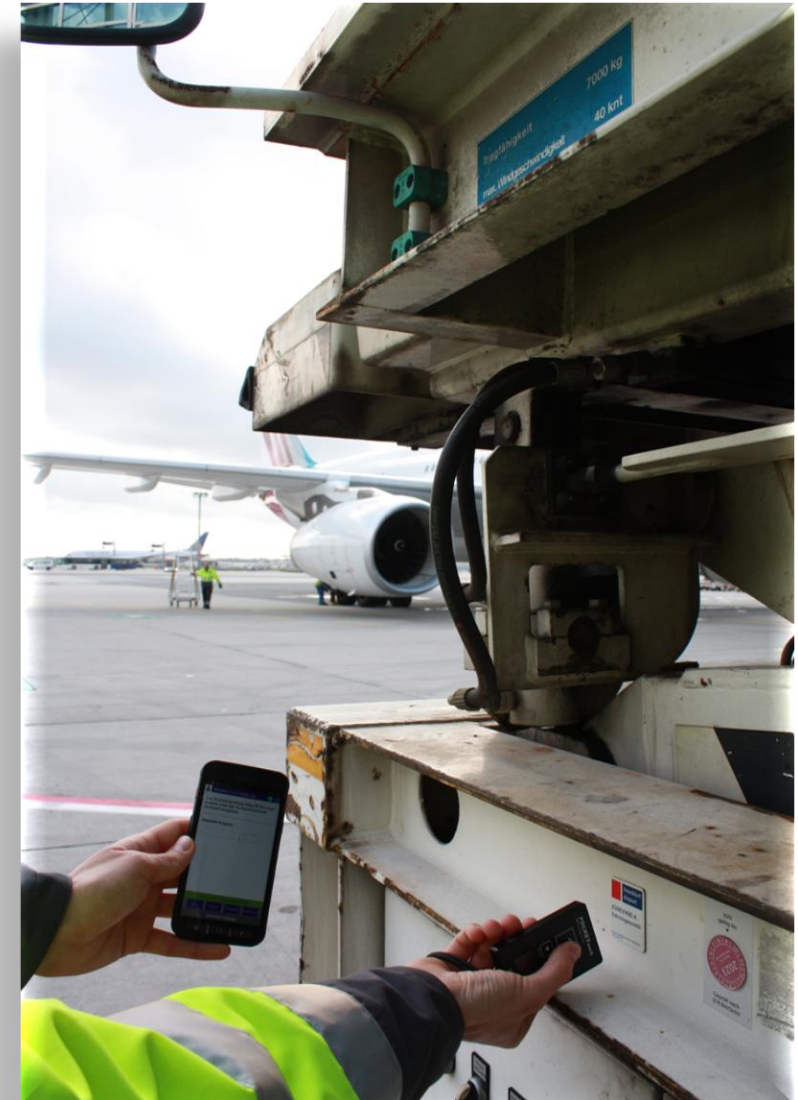
Flexible Software Integration Using Reader Input or API/Library



Flexible Software Integration Using Reader Input or API/Library

Option A: Zero-effort integration using keyboard input in HID mode (one-way communication)

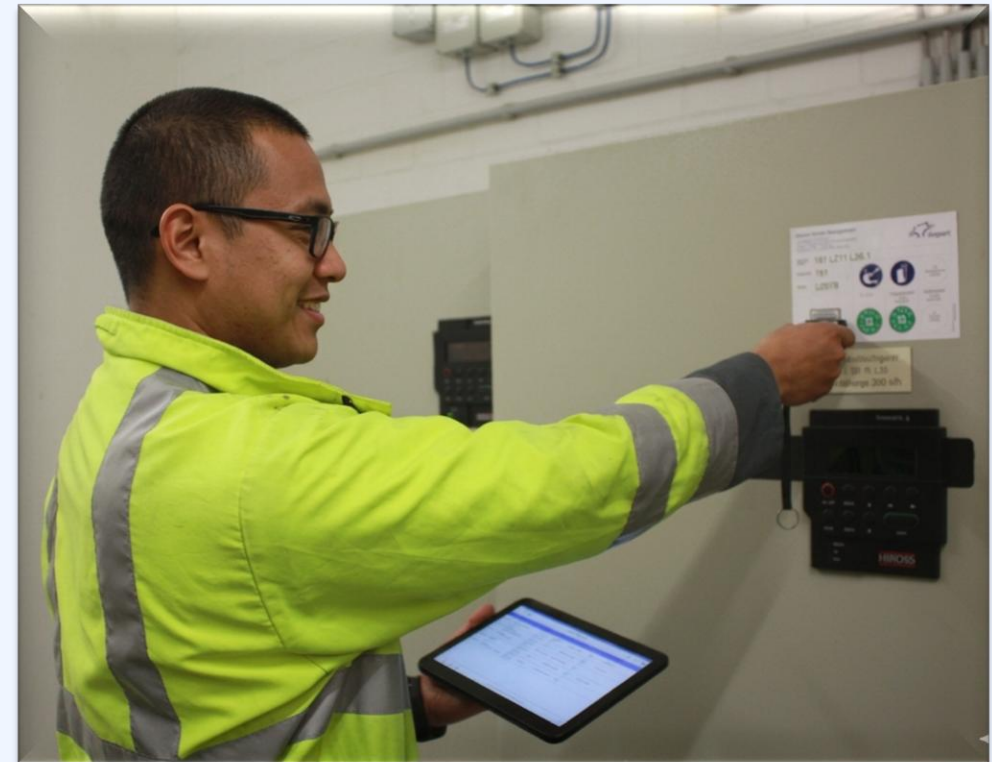
- ❑ RFID **data** is **transferred directly** to the host device as keyboard input.
- ❑ The scanned **data** can be inserted into any **text field**, such as **ERP systems, Excel sheets, search fields or forms**.
- ❑ **No software modification is required** if a manual or barcode-based process already exists.
- ❑ RFID **information is entered automatically**, quickly and **error-free** into your application.
- ❑ **Automation** capabilities can be extended to match your individual **workflow requirements**.



Flexible Software Integration Using Reader Input or API/Library

Option B: Low-effort integration via our SDKs (two-way communication)

- ❑ Full RFID integration into your **Android, iOS/iPadOS, or Windows** application.
- ❑ Enables **secure two-way communication** with the RFID reader.
- ❑ Allows **reading and writing** RFID data **directly** within **your app** workflow.
- ❑ Additional **device information** such as reader **battery status** can also be **displayed**.
- ❑ **Automation** capabilities can be extended to match your individual **workflow requirements**.



Use Cases



Maintenance

Maintenance history | Inspection tracking | Work order tracking



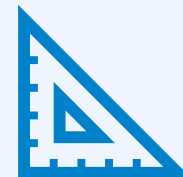
Temperature inspection

TELID[®] Sensor Tags | battery-free | passive | instantly readable | Condition monitoring



Field Service

Asset tagging | Real-time updates | Error reduction | Service history access



Tool tracking

Loss prevention | Location tracking | Faster tool retrieval

iID® COLLECTit Bundle

A complete HF or UHF RFID and sensor-transponder set for mobile data capture



INCLUDED IN THE BUNDLE

1× iID® reader

Choice of iID® POCKETwork PRO HF LEGIC, iID® PENSolid PRO HF or iID® PENSolid PRO UHF, with pre-installed script

10× RFID and sensor transponder set

2× TELID®211 or 2× TELID®412 & 8 diverse iID® RFID tags

USB stick with iID® COLLECTit Loader

Download and process collected data on Android, iOS, macOS and Windows

Quick Start Guide and soft case

iID® Loader software license

MAKE THINGS WIRELESS



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CONTACT

Micro-Sensys GmbH

In der Hochstedter Ecke 2
D 99098 Erfurt
Germany

TEL +49 361 59874 0
EMAIL info@microsensys.de
WEB www.microsensys.de

microsensys US Inc.

Office Gainesville
4111 NW 6th Street, Suit D
Gainesville, FL 32609
Florida, USA

Sales Office
150 North Michigan Avenue, 35th Floor
Chicago, Ill 60601
Illinois, USA

WEB www.microsensys.us

