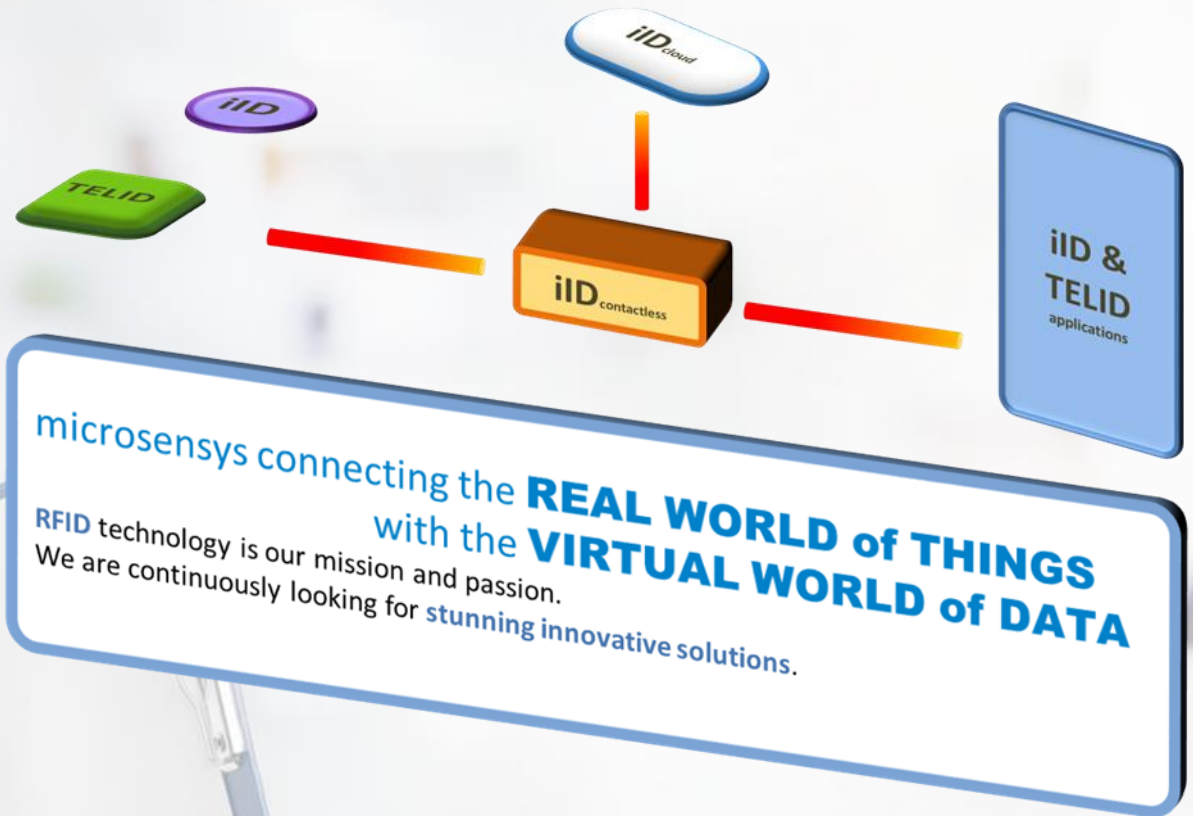


RFID for medical, healthcare and analytics

Wireless ID and sensors

**for item management, tracing
and tracking, probe
management, condition and
quality monitoring**

microsensys - your partner for wireless identification and sensors



Your Applications



Surgical Instrument Tagging



Our Solution for

Surgical

- ❖ High temperature and pressure tolerance
- ❖ Viable through several sterilization processes, high temperature tolerance
- ❖ Miniaturized design for unobstructed use

Instrument

- ❖ On-metal (and non-metal) application or integration
- ❖ Internal memory for ID, life cycle management, documentation of use(s)
- ❖ Brand protection and certificate of authenticity

Tagging

- ❖ Compatible stationary or mobile readers
- ❖ Data transfer via HF (NFC), UHF
- ❖ Globally unique serial number for exact allocation
- ❖ Keep track via custom software or integration into existing system

Products:

Q2.5 or Q1.6 mini
TAG
iID[®] mobile readers
TELID[®]soft
laser printing option

Sterilization Container Identification



Our Solution for

Sterilization

- ❖ Rugged design for harsh environments, high temperature and pressure tolerance
- ❖ Passive components with near unlimited life span

Container

- ❖ Simple and quick installation of TAGs and/ or labels
- ❖ On-metal (and non-metal) application or integration
- ❖ up to 16 kbit RW memory for ID or description

Identification

- ❖ Compatible stationary or mobile readers
- ❖ Data transfer via HF or UHF
- ❖ Globally unique serial number for exact allocation
- ❖ Cataloguing by custom software or integration into existing system

Products:

Q2.5 mini TAG
DUALTAGs
On-metal Plates
iID[®] mobile readers
TELID[®]soft
Barcode or matrix
code laser printing
option

Allocation and
Cataloguing

Process Monitoring



Our Solution for

Wireless

- ❖ Simple and quick installation in hard-to-reach areas
- ❖ On-metal (and non-metal) application or integration
- ❖ Data transfer via HF, UHF or Bluetooth Low Energy

Process

- ❖ Continuous and/or real-time supervision of temperature, pressure, humidity and more
- ❖ Rugged design for harsh environments, high temperature and pressure tolerance

Monitoring

- ❖ Freely adjustable parameters and limits
- ❖ Compatible stationary or mobile readers
- ❖ Analysis by custom software or integration into existing system

Products:

TELID®3T

iID® Desktop

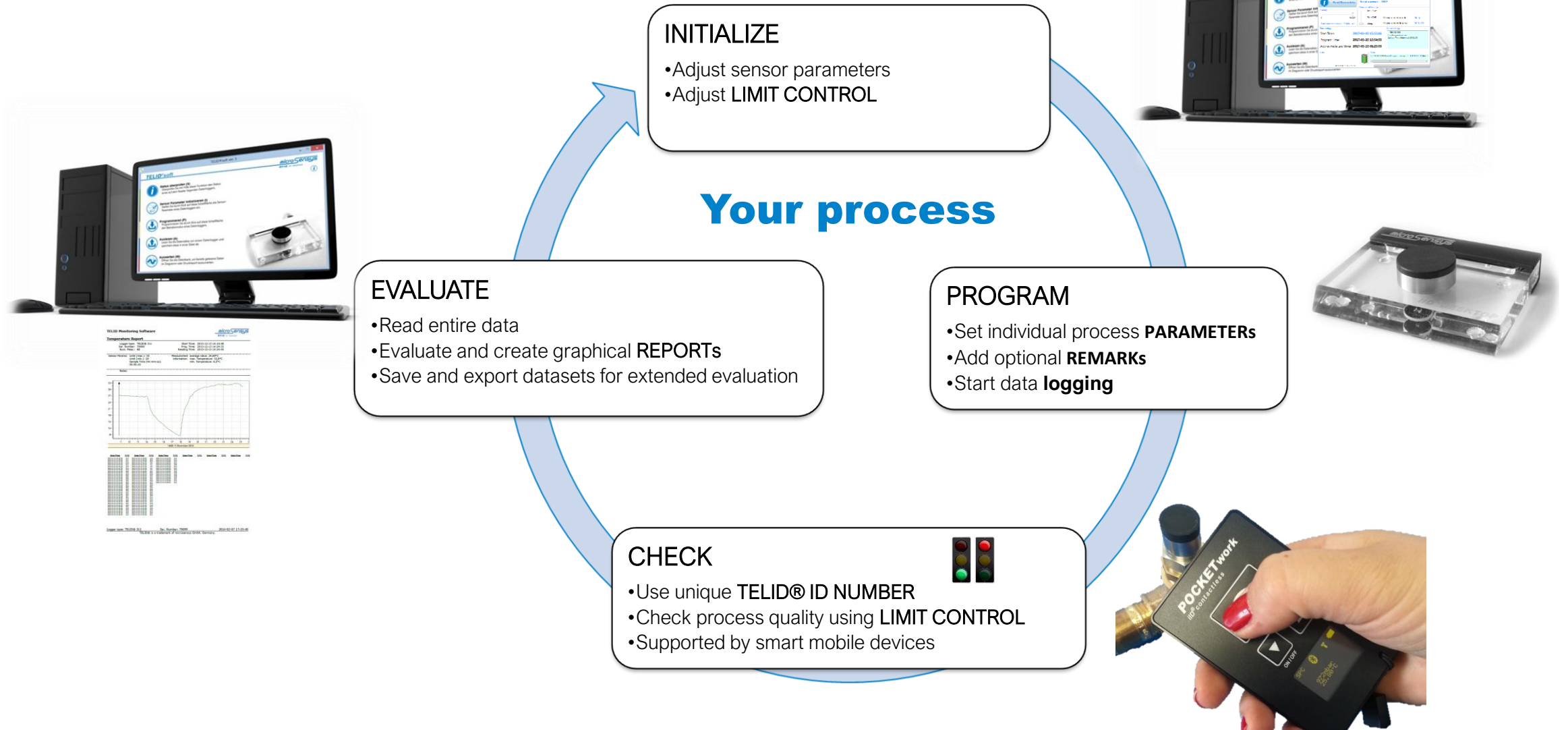
iID® mobile readers

TELID®station

TELID®soft

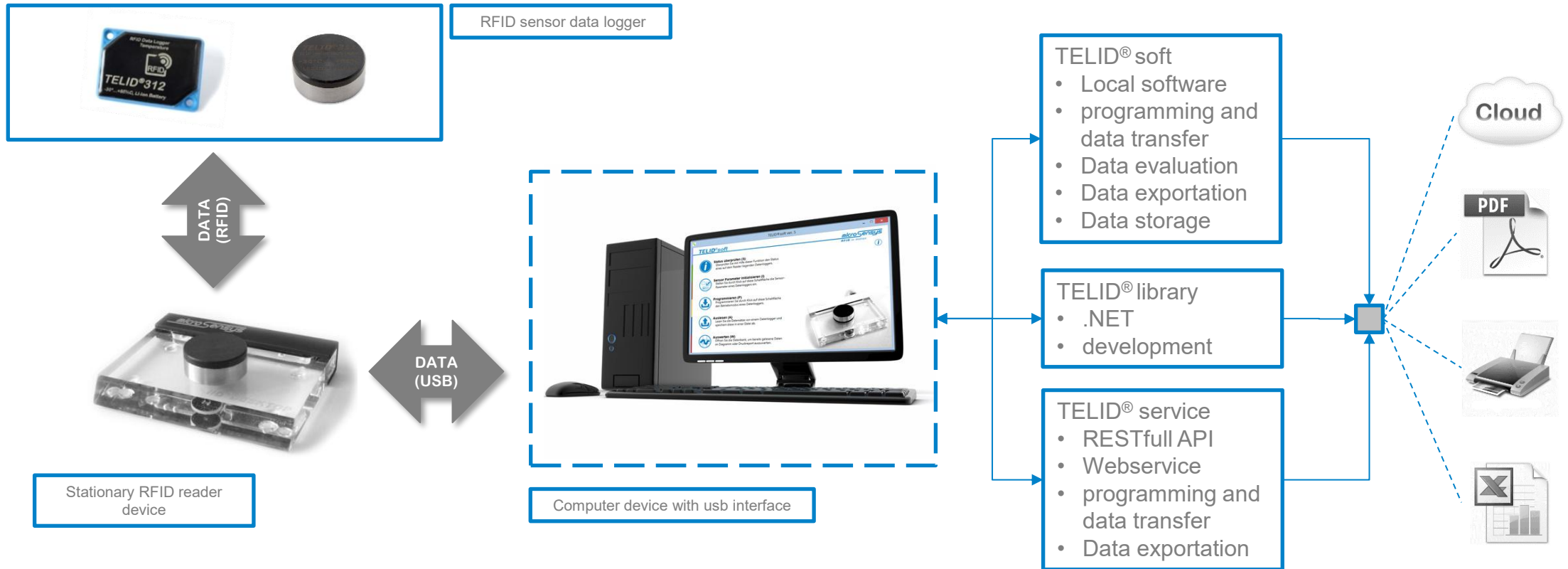
General Operation

Process circle from initialization to evaluation



System Overview Stationary – RFID sensor data loggers

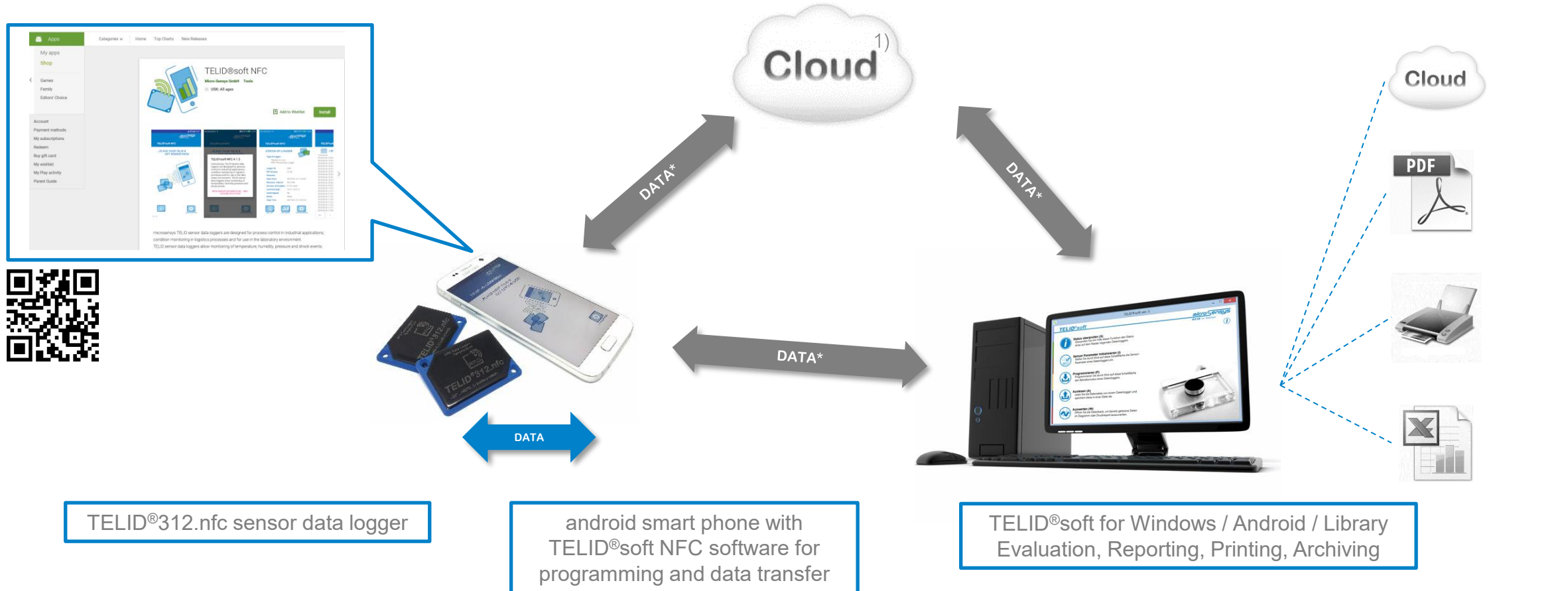
TELID®3T solution comes with different kind of data loggers, read/write devices and **TELID®soft** or **TELID®service** developed for different operation systems. TELID®bundle unites all the components in one.



- 1) Cloud based data exchange on request in OEM projects
- 2) TELID®library is available and allows TELID® system integration into own infrastructure

System Overview Mobile – NFC sensor data loggers

TELID®3T NFC is built on TELID®312.nfc data logger & TELID®soft and can be used with microsensors read/write devices or **android smart phones** with NFC communication.



1) Cloud based data exchange on request in OEM projects

2) TELID®library is available for Android and Windows and allows TELID® system integration into own infrastructure

TELID® Bundle Options











- ❖ TELID® Bundles: receive a complete bundle of **several sensor data loggers**, a compatible **mobile or stationary reader**, all necessary accessories and the base configuration of our **software**
- ❖ Plug-and-play system **solution**
- ❖ **Rental** possible for testing purposes

Not quite what you're looking for?

All our bundles can be customized and tailored to your needs. Still unsure? Don't worry! Our equipment can be rented for testing purposes and adjusted to your application. Please contact our sales team for more information or check out our website: www.microsensys.de

Technical Information – TELID®311, 314, 343

TELID® Type Product Code	Picture	Application Field	Compatible Readers	Technical
311  14.311.484.06		Disinfecting, washing and drying processes <u>+100°C</u>	iID®DESKTOPsmart iID®POCKETwork iID®M30 HEAD	dimensions: D27mm, thickness 12mm environmental condition: working temp. up to +100°C samples: up to 8000 sample time: 10s ... 256min
343.HTK  14.343.439.103		Disinfecting and washing processes <u>+100°C</u>	iID®DESKTOPsmart iID®POCKETwork iID®M30 HEAD	dimensions: G1/4" fitting, SW22, max length 48mm pressure range: 0 Bar .. 3Bar / 100Bar environmental condition: working temp. up to +100°C samples: up to 8000 sample time: 1min ... 59min
311.ac  14.311.489.00		Steam sterilization autoclave <u>+135°C</u>	iID®DESKTOPsmart iID®POCKETwork iID®M30 HEAD	dimensions: D27mm, thickness 12mm environmental condition: working temp. up to +140°C absolute pressure up to 5bar samples: up to 8000 sample time: 1s ... 59min
314.ac  14.314.499.01 14.314.499.05 14.314.499.07		Steam sterilization autoclave <u>+135°C</u>	iID®DESKTOPsmart iID®POCKETwork iID®M30 HEAD	dimensions: D27mm, thickness 12mm external sensor: pin length 15, 50 and 100mm environmental condition: working temp. up to +140°C absolute pressure up to 5bar samples: up to 8000 sample time: 1s ... 59min

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