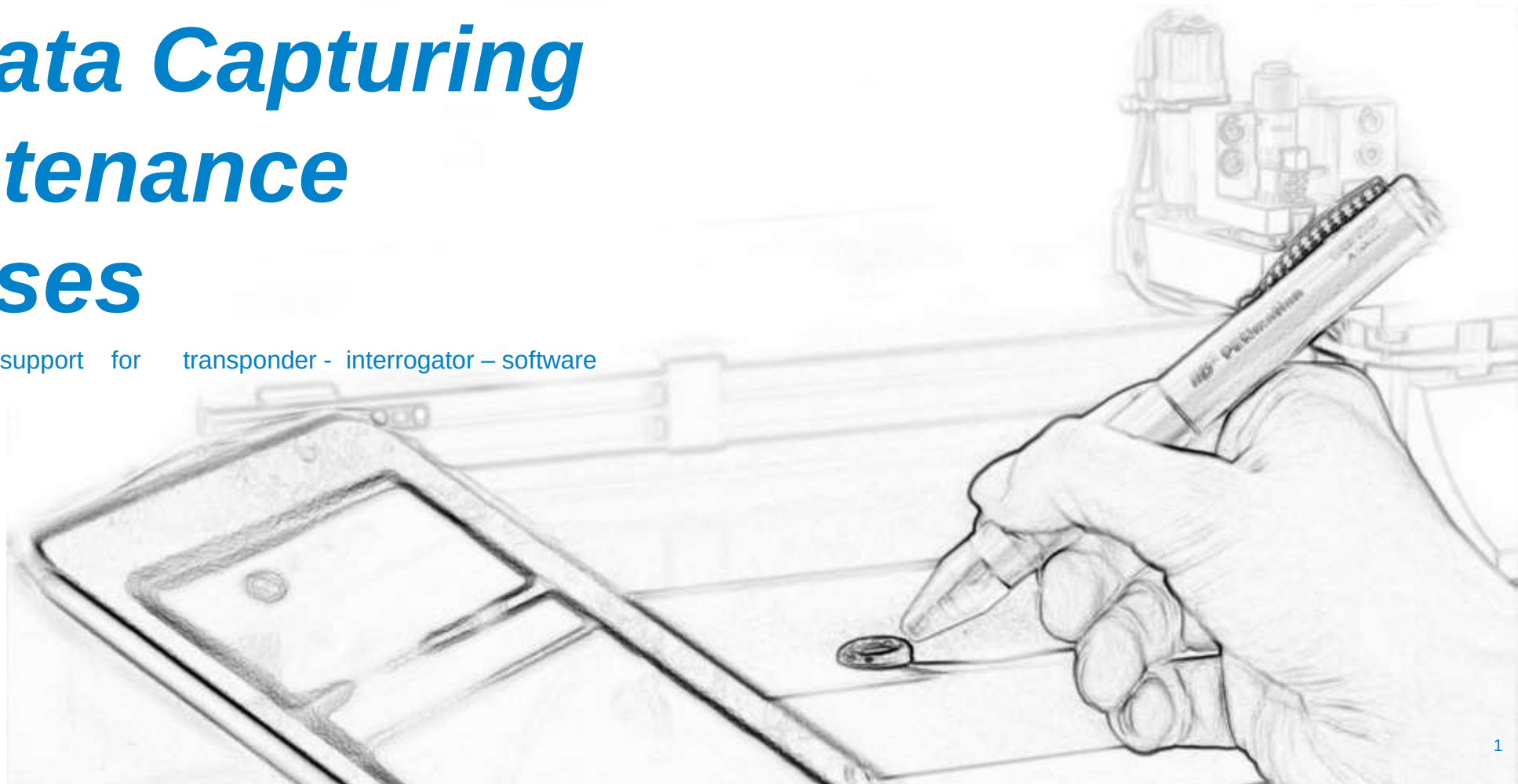
microSensys
RFID in motion

RFID Data Capturing in Maintenance Processes

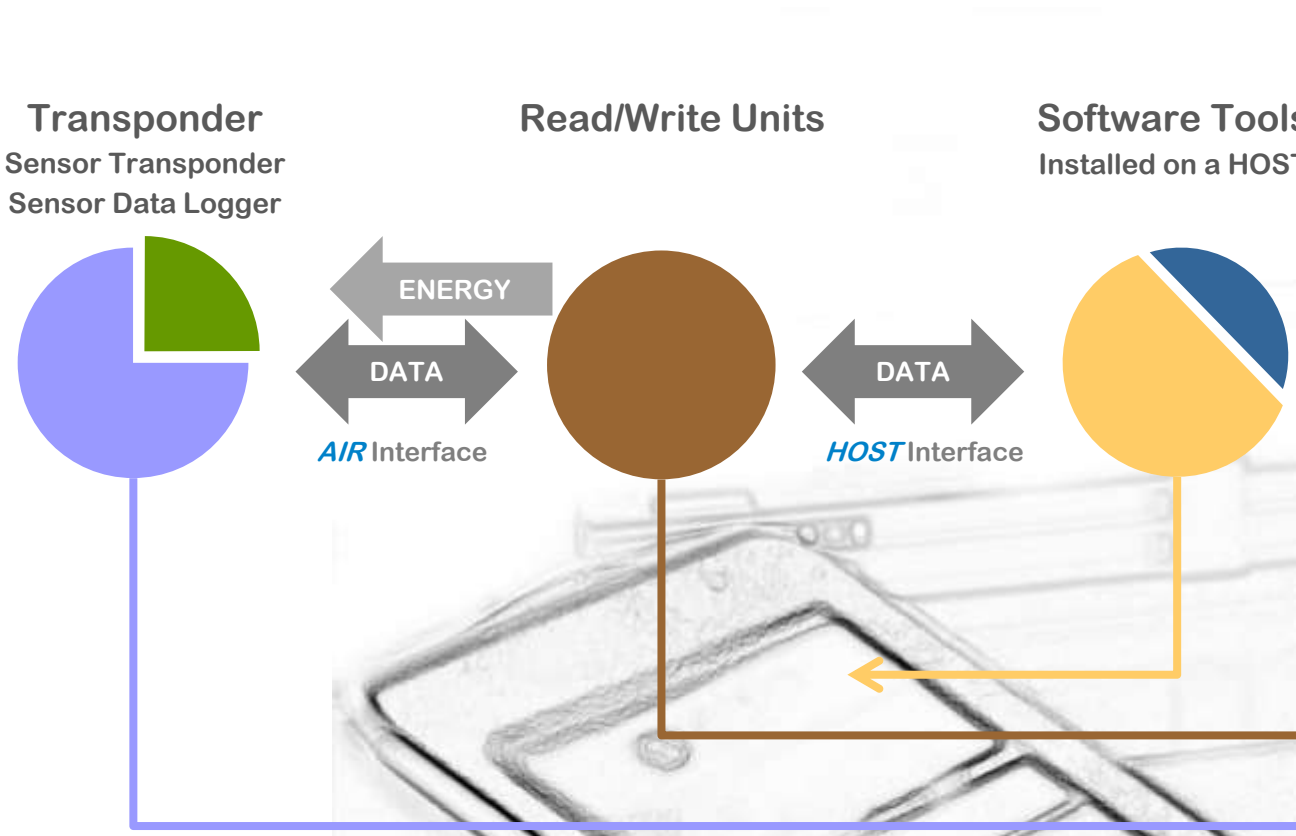
development – production – support for transponder - interrogator – software



RFID solutions from a single source

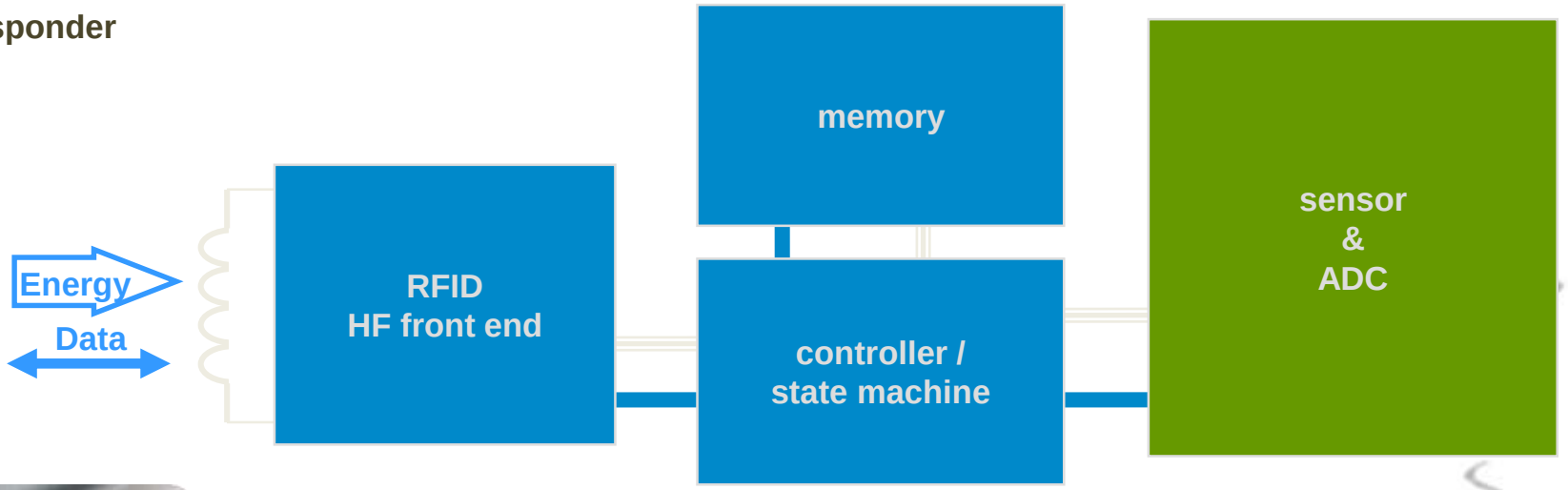
development – production – support for transponder - interrogator – software

microSensys
RFID in motion



Future: RFID Sensor Transponders

RFID Sensor TELID® Transponder
passive
without battery



Passive HF transponder ***TELID® 211, 231, 241, 242, 243, 282.i, 282.3D***

Passive UHF transponder ***TELID® 403, 412, 472***

What is the Advantage of Sensor RFID?

different steps in maintenance processes are united

Identification	Registration	Measurement	Evaluation
			

all processes in one

- Temperature
- Humidity
- Pressure
- Vibration
- Inclination
- Proximity
- Switch

Mobile Data Capturing

passive sensors and mobile devices

ENERGY

DATA

AIR Interface

DATA

HOST Interface

GSM, LTE

WLAN

web based data *view* with
ilD® CLOUDservice

Sensor TAG	Mobiles Gerät	Host	Datenbank

Data Capture with the *iID®POCKETwork*

Mobile RFID Reader *iID®POCKETwork*

- POCKET reader for mobile Data Capture
- Stand alone (SPC) or in connection with an HOST (DOC)
- Casing Size appr. 86 x 54 x 10 mm³
- Bluetooth™ class 2 SPP* and USB mini Interface
- With three programable buttons
- OLED with 96 x 64 Matrix-Display
- RTC synchs over the HOST
- Integrated 2 MB Flash-Memory for storage of read Data
- Buzzer with adjustable frequencies
- system support for Microsoft Windows, Windows Phone and Android

- * Bluetooth HID** keyboard emulation plus SPP available in Q2/2014
- ** support for Android, iOS and Microsoft Windows/Windows Phone

- Programable Menu for choosing functions like:
  - *display Produktcode / UID*
  - *display Temperature in °C (with TELID®)*
  - *display switch open / close (with TELID®)*

RFID TAGs on metal – D14-TAGspecial

- ***D14-TAGspecial***
- special packaging for using on metal, mid size half lens form
- Technology: 13.56 MHz, ISO15693, 14443
- Size: D 14 mm, TH 2.5 mm
- System: iID-2000 / iID-3000
- available as:
  Read Write Transponder, 2kbit E²PROM, on metal
  Read Write Transponder, 16kbit E²PROM, on metal
  Read Write Transponder, 64kbit E²PROM, on metal, password, encryption
  Read Write Transponder, 256kbit E²PROM, on metal, no ATEX

- for harsh environmental surroundings
- data on the object available
- ***Applications:***
  - Maintenance
  - Inventory Management
  - Electronic Rating Plate
  - …

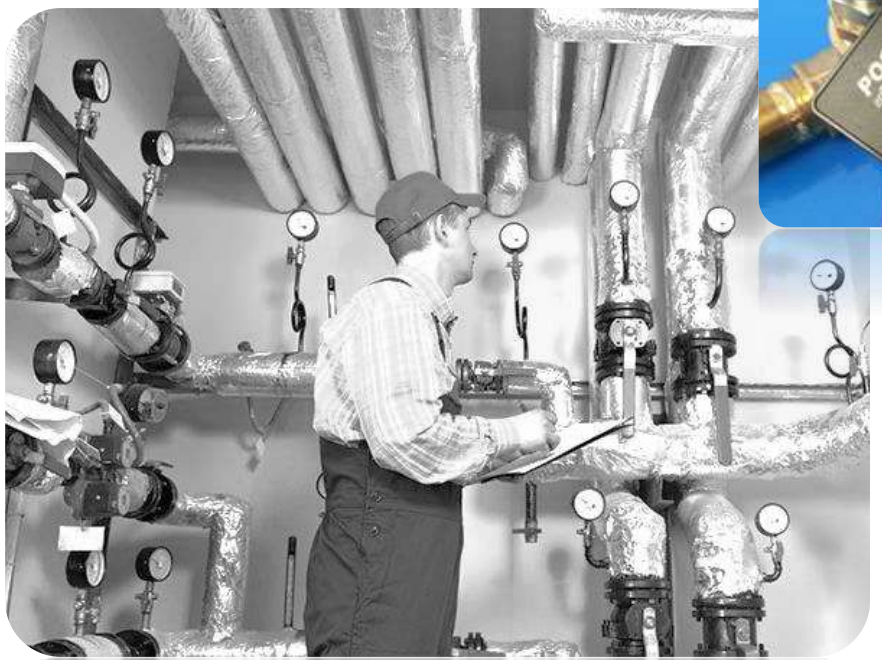
RFID Transponders – QUIN-TAGspecial

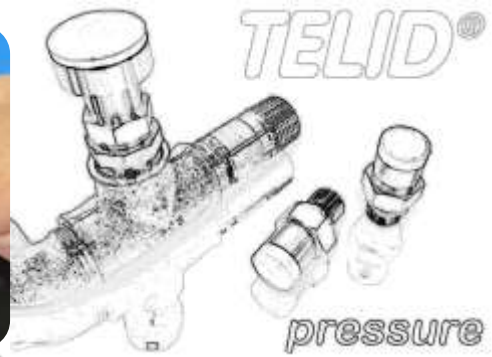
- ***QUIN-TAG***
- special packaging for using on metal, half lens form
- Customized Printing Service
- Technology: 13.56 MHz, ISO15693
- Size: approx. 33 x 30 mm, max. TH 3 mm
- System: iID-2000
- available as:
  Read Write Transponder, 2kbit E²PROM, on metal
  Read Write Transponder, 16kbit E²PROM, on metal
- Mounting Instructions: fastening by screw or blind rivet, direct using on metal possible, plane side on metal

- for harsh environmental surroundings
- fastening by screw or blind rivet
- TAG on metal possible
- ***Applications:***
  - Maintenance
  - Equipment and Item Tagging
  - …

Contactless Measuring of Pressure

customized for Keller pressure sensor





Advantages of RFID Sensor Data Capture

- Decrease of errors during data capture compared to on paper procedure
- Storing of identification data, calibration values and other information about the measuring point = Life Circle Data available on the Object
- Incidental application costs and time exposure are reduced
- Measurement processes become much easier

RFID Transponders – TIE-TAG

- ***TIE-TAG***
- plastic cable binder, reuseable
- Technology: 13.56 MHz ISO 15693 or 868 MHz ISO18000-6
- Size: tie type + removable epoxy packaged TAG, Clip 19x19
- System: iID-2000, iID-4000
- available as

  Cable Binder Transponder, UHF, 256bit, EPC compatible

  Cable Binder Transponder, HF, 2kbit RW, ATEX

  Cable Binder Transponder, HF, 16kbit RW, ATEX

- for harsh environmental surroundings
- data on the object available
- also as long distance communication
- ***Applications:***
  - Maintenance
  - Inventory Management
  - Sensors…

Contact

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