CEO Michael Jensen

PROSIGN RFID

PROSIGN RFID - info

2003   The company starts the development of software and RFID solutions, primarily for production and logistics.

2007   The company converts to a private limited company.

2009   In 2009 the company moves to new and bigger premises in Nupark, at the same time the company is converted to a public company.

2010   The development of Prosign once again leads to space problems and Prosign moves two larger premises in BusinessPark Struer. Today we have more than 1,000 m^2 of office, warehouse and test facilities.

RFID technology 3

"Live" demo and "real-world" considerations.

"Live" demo and "real-world" considerations

but

only with focus on UHF 867 MHz

RFID technology 3

"Live" demo and "real-world" considerations.

- **Different types of RFID readers**
  - Stationary
    - Enterprise
    - All-in-one
    - Desktop
  - Handheld
  - Mobile

- **Different types of antennas:**
  - Far field
    - Linear
    - Circular
  - Near field

- **Different types of tags:**
  - Far field
  - Near field
  - Labels
  - Bricks
  - …

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"Live" demo and "real-world" considerations.

Reading distance	**1 cm ~ 10 meters**
Reading speed	**Milliseconds**
Reading many simultaneously	**Several hundreds per second**
Writing	**All EPC Gen 2 tags and readers**
Liquid	**Absorbs the energy, needs distance**
Metal	**Reflects the energy, use special tags**

RFID technology 3

"Live" demo and "real-world" considerations.

- **Other solvable issues:**
  - Noise from other RFID readers and similar radio units:
    - Don't stack them.
    - Keep readers quiet when not needed.
  - Stray reads:
    - Turn power down.
    - Use filters:
      - Moving/not moving
      - RSSI (Receive Signal Strength Indicator)
      - Masks (number starts with…
    - Software logic

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RFID technology 3

"Live" demo and "real-world" considerations.

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