



# Traceability in the construction industry with RFID



With the digital transformation of the construction industry and the smart city, RFID is becoming more and more important in this sector in order to meet the issues of monitoring the life of the building, from its construction to its evolution, up to its destruction:



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- Identify facilities within the context of safe health management
- Improve the traceability of the rental stock
- Ensure the follow-up of workers' safety on construction sites
- Provide better production control



## Our customers



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## Example applications

- Identification of materials and tools for the construction industry
- Traceability of consumables used in the construction industry
- In-store or warehouse inventory, stock control and delivery tracking
- On-site and PPE access control



## Key features

- RFID identifiers
  - ◇ Outdoor resistance (rain, dust, chemicals, high pressure washing)
  - ◇ Metal compatible and embeddable in concrete
  - ◇ Various types of fixing: collar, adhesive, rivet...
- Robust and high-performance RFID scanners for rough environments with a wide range of accessories for more mobility and security

## AX'Tag Bitumen



- Identification in concrete and asphalt
- Ultra-resistance: high temperature and deformation



Identification and maintenance of railway sleepers

## AX'Label Platina Outdoor



- Metal compatible labels
- Compatible with Outdoor environments (rain, dust, chemicals, high pressure washing)
- Easy fixing on curved surfaces
- Personalization by printing text, logo, barcode, QR Codes...



Management of rental material



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## AX'Tag Viking

- Ultra rugged metal tags
- Outdoor resistance (rain, dust, chemicals, high pressure washing)
- Several fixing methods: tie, adhesive, rivet



Tracking of tools

## Protect + for AX'Label



RFID labels resistant to high pressure washing

- Label with low profile and flexible protective film
- Ultra-reinforced adhesive
- Compatible with curved or flat surfaces
- Aeronautical Heritage
- Customization of labels by the customer with a **Toshiba printer**



## Scanners RFID

- Rugged mobile readers with a wide range of accessories for more mobility and safety: case, bumpers, strap, anti-strangulation strap...
- Instant data transmission with 4G, WIFI, Bluetooth, GPS.
- Warranties adapted to devices exposed to harsh conditions: screen breakage, exchange or repair of products within 5 days\*...



Identification of the archestones of Grand Paris tunnels

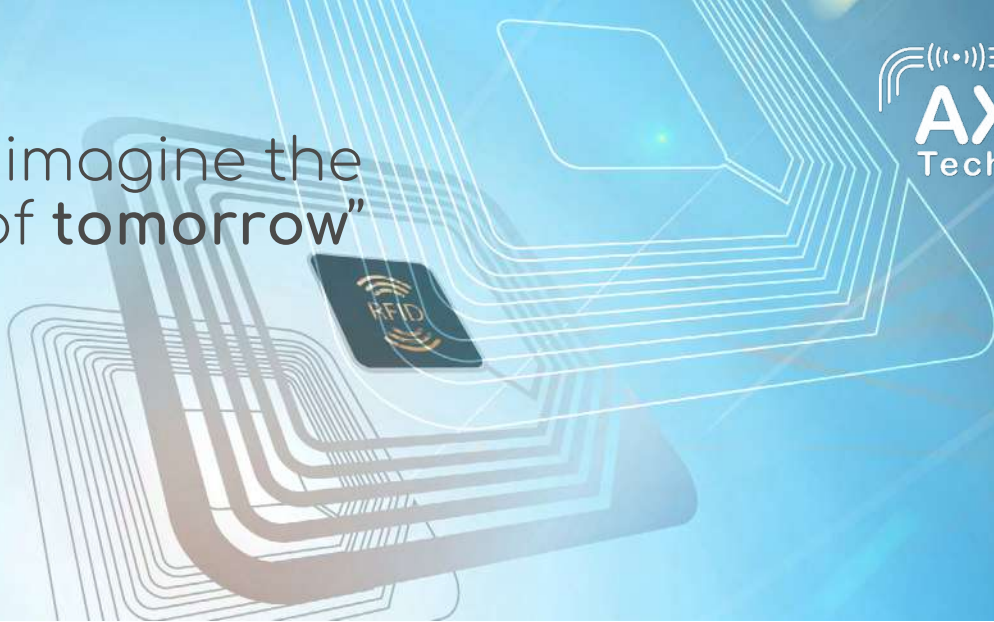


\*Depends on warranties



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“Let’s imagine the  
RFID of tomorrow”



## AXEM Technology, RFID expert

- Manufacturing of hardware RFID solutions
  - ◇ Standard and complete range of industrial RFID products
  - ◇ Custom products for demanding requirements
- A complete range of services related to our products

**AXEM+**  
Services

**AXEM**  
Trust

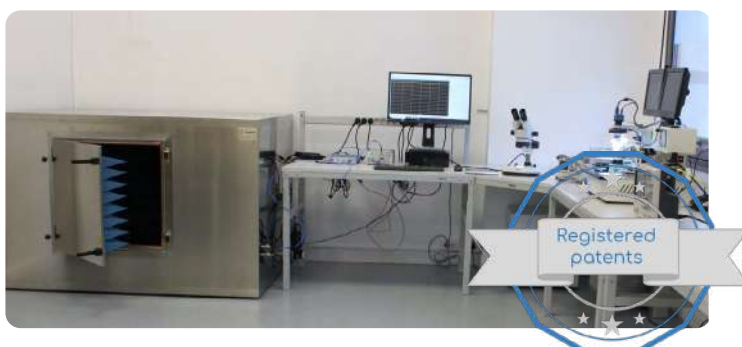
- A laboratory dedicated to innovation and our know-how: the AXEM Lab

### AXEM Lab, innovation center

- Equipment at the cutting edge of RFID technology
- Product design with Intellectual Property
- Feasibility studies according to customers' requirements
- Manufacturing of customized products



AXEM  
Lab



You have an RFID project? Contact us at [sales@axemtec.com](mailto:sales@axemtec.com)

Check out our products on our website: [www.axemtec.com](http://www.axemtec.com)

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