Sponsors

Gold Sponsors

Silver Sponsors

Bronze Sponsors
RAIN RFID Alliance was founded in 2014
- Increase awareness and understanding of passive UHF RFID (GS1’s EPC Gen2 protocol and ISO’s 18000-63 standard)

Over 160 global members and annual meetings in Americas, Asia and Europe
- Alliance members include hardware and software companies, solution providers, academics, and end-users
What is RAIN RFID?

• RAIN RFID is a wireless technology that connects billions of everyday items to the internet, enabling businesses and consumers to identify, locate, authenticate, and engage each item.

• RAIN RFID makes it possible to network things without power.
  – >12 billion things tagged in 2017
  – 20 billion annually by 2020
• **RFID** is a generic acronym to describe different types of wireless technologies – different frequencies, different standards, passive vs. active, etc. *This creates confusion.*

• **RAIN** is a brand for a specific passive UHF RFID wireless technology
  – GS1’s UHF Gen2 protocol
  – ISO/IEC’s 18000-63 standard

• **The ultimate goal is for “RAIN” to be THE UHF RFID brand**
  – To transition companies and consumers to the RAIN brand, “**RAIN RFID**” is currently being used

• **Other wireless technology brands, easier for end-users to understand:**
  – **WiFi**, instead of IEEE’s 802.11 versions
  – **NFC**, instead of HF RFID or ISO/IEC’s 14443
  – **Bluetooth**, instead of IEEE’s 802.15.1
Workgroups

• **Workgroups projects help grow the RAIN RFID technology market**
  – Increase awareness & understanding of RAIN RFID
  – Members collaborate to remove barriers to growth

• **Currently seven workgroups:**
  – Aviation
  – Developers
  – Healthcare
  – IoT
  – Retail
  – Smart Products and Packaging
  – Technical
• New regulations in Europe (915-921 MHz) not adopted by countries
• Questions raised about compatibility with Military and Rail use
• Eu vote on 11 July 2018 to ratify compromise solution – passed
• Rules start effective 1 February 2019
Current markets – Healthcare, IOT, Retail, & Smart Manufacturing
Lists of >100 retailers and >40 healthcare end-users worldwide
Requests for Help

- 44 end-users contacted the RAIN Alliance
  - Requests from 19 countries, 5 continents
- 31% from Asia
  - 27% of those from China
- Requests for many markets and industries, including:
  - 33% - Logistics
  - 19% - Retail
  - 15% - Academic
  - 11% - Asset Tracking

Post your requests for help with your project
http://rainrfid.org/resources/request-for-help/
What is RAIN RFID?
Detailed information about the technology, markets using RAIN RFID, and the Alliance

• Details about RAIN RFID
  – Tags, Readers, Antennas, Software, and Data
• Standards and Numbering System
• Markets | Industries | Applications
  – 9 in the first version, will add more
  – Applications and benefits of using RAIN
  – Case studies
• Request for Help
  – How end-users can find the RAIN Alliance members they need to work with
• RAIN RFID Alliance
  – Workgroups and Meetings
  – List of Members and Categories for the companies

Over 60 pages in the first version
E-Book will be updated twice per year
RAIN Alliance - Communication

- Quarterly newsletters
- Invitations to upcoming RAIN Alliance meetings
- Events focused on industries with Alliance and members involved
  - Booths
  - Presentations
  - List of events and details maintained on our website
- Social Media
  - Share RAIN RFID news as it happens – Twitter (@RAINRFID) & LinkedIn
RAIN – Enabling the IoT

- Unique item identification
- Low cost
- Batteries not required
- Line-of-sight not needed
- Long or short range
- Security availability
- Connects to sensors

RAIN IS EVERYWHERE

JOIN NOW TO GROW THE TECHNOLOGY IN YOUR MARKET

- Healthcare
- Retail
- Logistics
- Pharmaceutical
- Industrial Manufacturing
- Consumer Service
- IoT
- Packaging
- Electronics