Innonet specializes in the development and sales of wireless communication technologies including mobile & wireless RF relay equipment, magnetic field signal measuring instruments and TV White Space (TVWS) devices

**Key Products**

- Disaster communications network consisting of a portable, backpack-type mobile base station combined with a vehicle-mounted mobile wireless backhaul device
- High & low power TV White Space backhaul device

**Competencies**

- Efficient utilization of idle frequencies in remote locations such as islands, mountains, and marine regions using TVWS
- Lower operations & maintenance costs
- Stable and highly reliable technology with strong price competitiveness because of in-house developed technology

**Differentiator**

1. **Disaster communications network: backpack-type mobile base station (backpack LTE) with wireless backhaul device**
   - Restores communication abilities during times of major disaster via portable base station for field agents
   - Supports TVWS and satellite by backhaul even with subscriber section in PS-LTE mode
   - User friendly with touch-LCD and Web-UI (user interface)

2. **TVWS backhaul device: (for use in rural areas and other isolated locations)**
   - High power TVWS backhaul device provides coverage for long distances of more than 8km with the low power version covering shorter distances around 1.5km
   - User-Friendly: Capability to easily control and deliver information in challenging conditions (i.e. disaster, public facilities, marine & island, mountainous regions, etc.) by combining various applications such as smart phones, NMS servers, NVR connections and U-sensor combinations
   - Ability to apply 2x2 MIMO, Cognitive Radio, 6 MHz/12 MHz BW Selective technology

**Past Performance**

- **2013**: 5 CATV, MSO, TVWS region-based trial service devices
  - Kang-reung Arboretum (CJ Hello Vision): Helps prevent forest fire in mountainous regions and control public facilities
  - Incheon Moo-I Island (T-broad), Daegjeon Culture Arts Park: Provides control of wireless internet and public facility
  - Seoul Olympic Park (C&M) guide and electronic guide, Cheong-ju citizen's hall (Hyundai HCN) event guide
- **2015**: Wireless internet powered by solar energy, forest fire observations, tour information and surveillance camera (Je-cheon City)
- **2015**: Fire surveillance and public wireless internet at Jin-joo City ancient palace
- **2016**: Marine smart fish farm (Tong Yeong), Ong jin County traffic and disaster management
- **2016**: Broadband wireless internet in rural regions of Indonesia

**Intellectual Property Rights**

**Korean Patents**

- Method and device for attaining synchronization from base station signals in time division duplex system (No. 10-0588325)
- System for removing the interference in RF communication for which TX/RX frequencies are the same (No. 10-1145288)
- An apparatus for symbol’s synchronization of OFDM RF system and the method thereof (No. 10-0882879)
- Device for reducing electric power consumption of RF communication system in multi-band mobile communication service environment (No. 10-1265779)
- System for transmitting multiple multi-input/multi-output signals by removing passive intermodulation signal of mobile communication feed cable (No. 10-1343066)
- TV system to eliminate interference signals and the operation method, TV system to eliminate interference signals (No. 10-1577630, 10-1565599)
- System and method for portable backpack base station under TVWS or satellite backhaul (No. 10-1587766)

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- System and method for public safety mobile communication"communication"
Certifications / Registrations

• US FCC certification: IMSS-200 (magnetic field measuring device), PIM Finder (PIM searching device), ISO 9001, ISO 14001 certified

Cooperation Proposal

• Commercial agreement
• Manufacturing agreement
• Technical cooperation
• Distribution services
• Subcontracting

• Partner Sought:
  Relevant personnel in government procurement market, local distributors and technology experts to provide global R&D cooperation

• Partner Tasks:
  Distribution for local sales and installation, after-sales support and product development according to local customer’s demand

• Partner Benefits:
  Profit sharing and access to highly competitive technology with favorable pricing

Contact Us

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