# Last Resort Communications

RSĀE LABS
*Whatever, Wherever, Whenever, You'll Know.*

**Demonstrated Performance: 1. Quick, Ad Hoc Install  2. Ultra-Reliable Communications 3. Real-Time Situational Awareness  4. Redundant, Secure Global Backhaul**

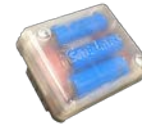| **GS-5L** | **RSU-3** | **mistBit™** | **mistBee®** | **MDC-2** | **PRU-USB** |
|---|---|---|---|---|---|
| Cell, Iridium, mist®, Gs, temperature, humidity, GPS | motion, Gs, light, door state, GPS, temperature | motion, Gs, temperature | motion, Gs, temperature | motion, tilt, Gs, temp, humidity, door state, light | mist® Primary Radio Unit w/ USB interface |

1. **Install mist® routers / position beacons** (RSU-3s)

   a. One per stairwell landing

   b. One on each side of an exit door

   c. Each floor:  ~12 RSU-3s

      i. One on each room door

      ii. One at each hall intersection

      iii. One or more in large rooms

2. **Local Gateway Display at the building exit (optional)**

3. **Extend mist® network to Remote Gateway Display using a pair of narrow-beam, hi-gain antennas to span ~.5 mile gap**

4. **Extend mist® network to GS-5L Global Gateway to support two-way encrypted messages and data globally**
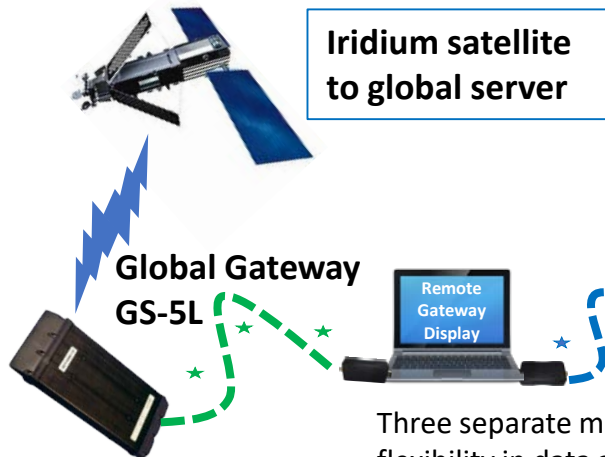
5. **Command sent from either Gateway to take and return a picture**

- **Quick, Ad Hoc Install:**  RSU-3 units as routers and position beacons
- **Ultra-Reliable Comm:** text, sensor data & alerts
- **Situational Awareness:** Track mobile personnel tag to nearest position beacon ID with every message
- **Local Displays and Global Backhaul:** Long range link



**Building Deployment**

Iridium satellite to global server

Global Gateway GS-5L

Remote Gateway Display

Local Gateway Display

~.5 miles
hi-gain antennas

Three separate mist® networks providing flexibility in data access and control input.

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