

“God created everything we need to know exactly where we are.”

Location Without GPS

Constraint today: Inertial navigation drifts, forcing reliance on GPS or RF networks. These systems are fragile, costly, and can be denied.

Our breakthrough: Use Earth's natural invariants:

- Gravity fingerprints unique to every place
- Magnetic fields as a universal compass
- Earth's spin & skylight polarization as absolute orientation

Communication Without Towers

Constraint today: Long-distance IoT demands towers, satellites, or power-hungry radios. This makes devices heavy, expensive, and short-lived.

Our breakthrough: Whisper, don't shout.

- Backscatter: reflect what's already in the air
- Ultra-narrowband bursts
- Opportunistic relays riding the sky, vehicles, or ambient RF

The Godwit Long Pull → Devices that navigate and communicate by design already written into creation.