CO-CREATRIX ENTERPRISE INC.
Harness Community Potential

CO-CREATRIX ENTERPRISE INC. PARTNERS WITH FOAMSPACE CORP.

Co-creatrix Enterprise Inc. partners with Foamspace Corp. to participate in the beta testing of FOAM's Trust Zone Program.

"Trust Zone Program" is a program comprised of select partners that run the FOAM protocol in different geographical environments and test different zone configurations.

"FOAM Protocol" is a radio-based network of Zones that provides location services for Web3 applications.

"Zone" refers to a quorum (four or more Zone Anchors) that maintains clock sync for a given geographic region and that, once synchronized, can determine the location of a requesting node by using time of arrival measurements to verifiably triangulate position.

"Zone Anchor" refers to radios that act as nodes that collect, verify and provide geolocation data.

CO-CREATRIX ENTERPRISE INC. SEEKING LOCAL BUSINESSES TO TEST THE FOAM PROTOCOL FOR A 6 MONTH PERIOD

Co-creatrix Enterprise Inc. is seeking local businesses to test the Foam Proof of Location Protocol. Each business must be willing to allow for an installation of a Zone Anchor on the rooftop of their business and allow access for the Co-creatrix Enterpise team to conduct tests for 6 months.

These tests will ultimately allow for the build-out of CO-CREATRIX Technology and the development of the WHERE@ and QUORUM@ dApps.

Contact **trustzone@cocreatrix.org** to find out if your location qualifies.
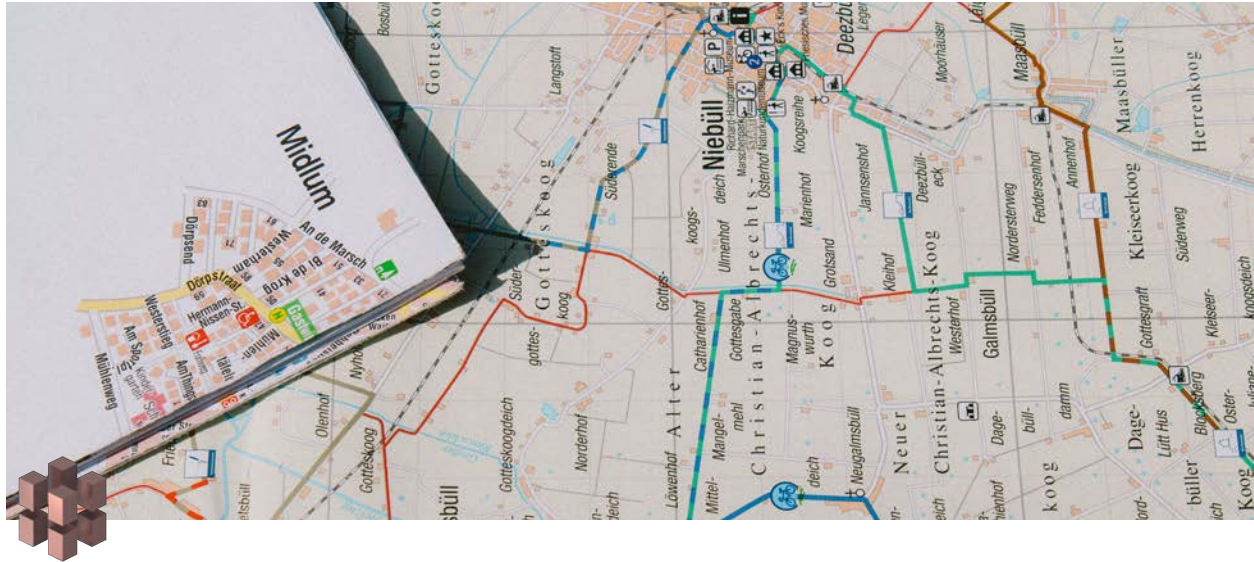
FOAM

What is FOAM?

FOAM is a technology for applications needing secure location services. It enables a handshake between the location service providers and the user, proving the user's presence at a particular place and time - a "Presence Claim". The system is completely independent of satellite-based location services like GPS, which are regularly exposed to spoofing and jamming, and have been identified by the U.S. Dept. of Homeland Security as vulnerable critical infrastructure. FOAM uses ground-based radio beacons, operating in the open, unlicensed Industrial, Scientific, Medical (ISM) band of the radio spectrum, to send and receive transmissions. Time of flight algorithms are used to calculate the location of users, and cryptographic signatures from each radio-beacon ensure the location data cannot be tampered with or spoofed.

The FOAM team is working to enable unprecedented use cases that require this "proof of location" service for government, enterprises, consumers and smart contract applications alike. Potential applications range from high-value asset tracking and shipping proof of delivery, to insurance and location-based payments, data access, gaming, advertising and anti-gaming/anti-spoofing measures in emerging networks.

## What are the requirements for providing FOAM coverage?

The following requirements exist for creating a zone of secure location-service coverage:

1. A minimum of four outdoors locations, where radios (12" x 10" x 5.5") and antennas (~36") could be installed

2. Visual line-of-sight between all four locations

3. Distance of approximately 300m-3000m between each location

4. Constant power supply*, such as GFCI outlet

5. Internet service available (e.g. cellular LTE, WiFi or Ethernet)

Radios use LoRa, a low-power, long-range radio technology. Supply voltage of at least 12V required, with average power consumption of 0.15 kWh per day.

Who is building FOAM?

Foamspace Corp., the business building this technology, is headquartered at the Newlab in the Brooklyn Navy Yard. The company is a team of 10 professionals, ranging from software and electrical engineers to project managers and designers. The team is now focused on beta-testing the radios to learn more about key system parameters and to refine the technology before testing specific use-cases and bringing it to market.
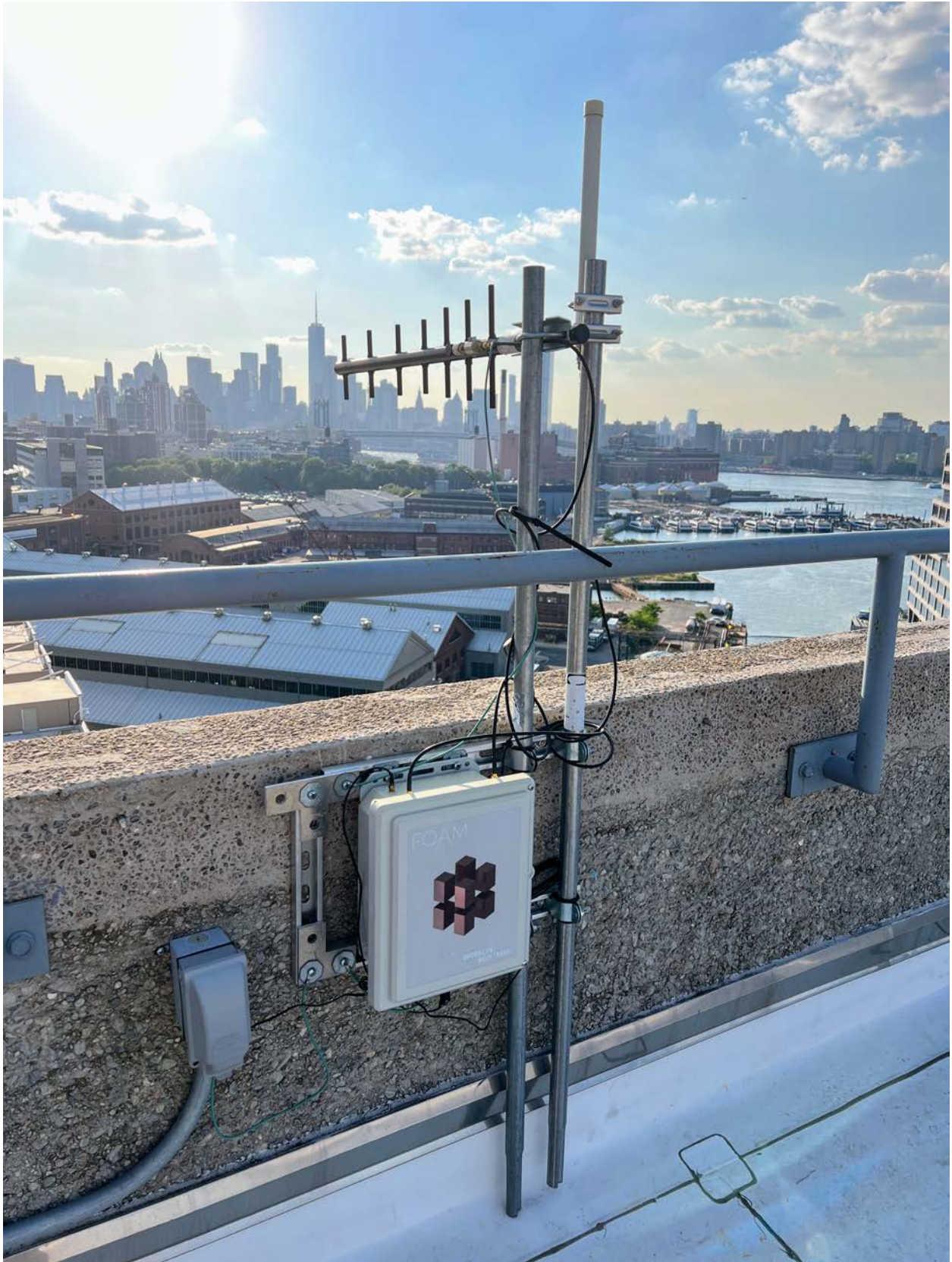
FOAM radio "build-it-yourself" version, installed in the Brooklyn Navy Yard on a building roof.

FOAM radio "build-it-yourself" version, installed on a mast above a building in Illinois.

FOAM radio "plug-and-play" model under production.