

# infiniDome GPS Security – Enabling Safe Aerial Autonomy

## Company Status

- ☞ Founded June 2016,
- ☞ Located in Caesarea, Israel
- ☞ 17 employees
- ☞ > \$1.2M in revenues

## Major Customers & Partners



## Funding

- ☞ 18-20': \$1.5M Gov grant
- ☞ 19-21': \$6.5M raised in Seed & SAFE
  - ☞ NextGear Ventures
  - ☞ Honeywell Ventures
- ☞ Q1 22': \$10-15M Series A
  - ☞ Deliver GPSdome 2
  - ☞ Scale defense market
  - ☞ Ramp R&D, eng & mfg
  - ☞ Build SaaS cloud platform
  - ☞ Commercial drone protection exploration

## The Problem We're Solving

- ☞ GPS (GNSS) is cornerstone in all unmanned platforms (in air or on ground).
- ☞ Emitted from 20,000km away, the GPS signal is incredibly weak and could be jammed using a \$20 jammer bought online.
- ☞ These same jammers are used today by hostiles to bring down drones from mid-air or disable navigation or tracking of critical vehicles.
- ☞ Current protection solutions are large, heavy and very expensive (>\$20K) and are irrelevant for protection of said applications.
- ☞ UTM and RemotID is a must for drones. They are useless when GPS is attacked.



## Our Tech

- ☞ infinidome harnesses Electronic Warfare tech in a tiny package making any GPS 50x more resilient to attacks.
- ☞ Our own RF chip & algorithm allows GPSdome to combine patterns from multiple antennas, creating steerable nulls which attenuate the hostile signals.
- ☞ Unlike competing solutions, GPSdome is fully retrofit – added on to any existing GPS system and works with any off-the-shelf antennas.
- ☞ infinidome detects real time GPS attacks allowing safe autonomy.



## Going After a \$5B Market

- ☞ Now (\$0.5B SAM) – Defense & HLS UAS and vehicles:
  - ☞ \$10M funnel from projects with US Army, IAI and others
  - ☞ \$0.5B addressable market for (Global Military GNSS AJ Systems Market - BIS)
  - ☞ Enabling a \$50B market (Teal Group)
- ☞ 2025 (\$3B SAM) – Protecting commercial drones:
  - ☞ Includes delivery, inspection, first responders
  - ☞ \$3B addressable market for AJ, enabling \$50B market
- ☞ 2030 (\$1.5B SAM) – Protecting UAM:
  - ☞ Unmanned & manned eVTOL, air taxis
  - ☞ \$1.5B addressable market for AJ, enabling \$100B market



## Products & Roadmap

- ☞ 2019: GPSdome 1 – GPS L1 single null protection, >1,000 systems sold worldwide.
- ☞ 2021: Robust Nav System – infinidome & Honeywell joint resilient nav system
- ☞ 2022: GPSdome 2 – Dual band, triple null protection, C-SWaP optimized.
- ☞ 2023: infinidome – GPS cyber monitoring service platform.
- ☞ 2024: GPSdome MINI – low-cost commercial drone protection.
- ☞ 2025: GPSdome MAXI – UAM tailored protection

