FLYZ robotics

Aerial
Dynamic
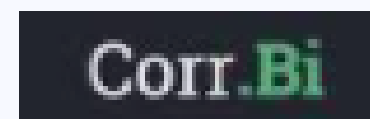Sensors
Installation

Our Team

Ron Shafran

CEO

- A decade of experience and unique expertise in the global HLS market as SVP of ISDS (Official sponsor for the Olympic games)
- Served 15 years in an Elite Intel Unit – Ret LTC
- Serial Entrepreneur – Corr.BI (Exit)
- 3 academic degrees – Business (MBA), IT and Design (M.Des)

Itamar Ben-Shalom

CTO

- An innovator with a proven record of both R&D hands on and extensive execution experience
- 20+ years – software development
- A decade of experience in multidisciplinary startups (hands on system engineer -> program manager)
- Serial Entrepreneur - Eye Safe
- 3 academic degrees (Physics (B.Sc) Engineering (B.Sc & M.Sc) graduated with honors)
- Thesis: Neurometric Authentication

FLYZ

Sense Better, See Further

19th century
—
Light

To see at night
Must be there to see

20th century
—
Fixed Video

To see but not to be there
Multiple blind spots – tunnel vision

21st century
—
Dynamic Video & Sensors On Demand

No blind spots – Powered by
Autonomous Mobile Robots

FLYZ

Sense Better, See Further

1,000,000,000 Cameras Worldwide

▼

28K installed Per Day

▼

Huge Market and problems

FLYZ

Source: IHS Markit

Problems?
Big and
Global

Environment is dynamic – changes all the time

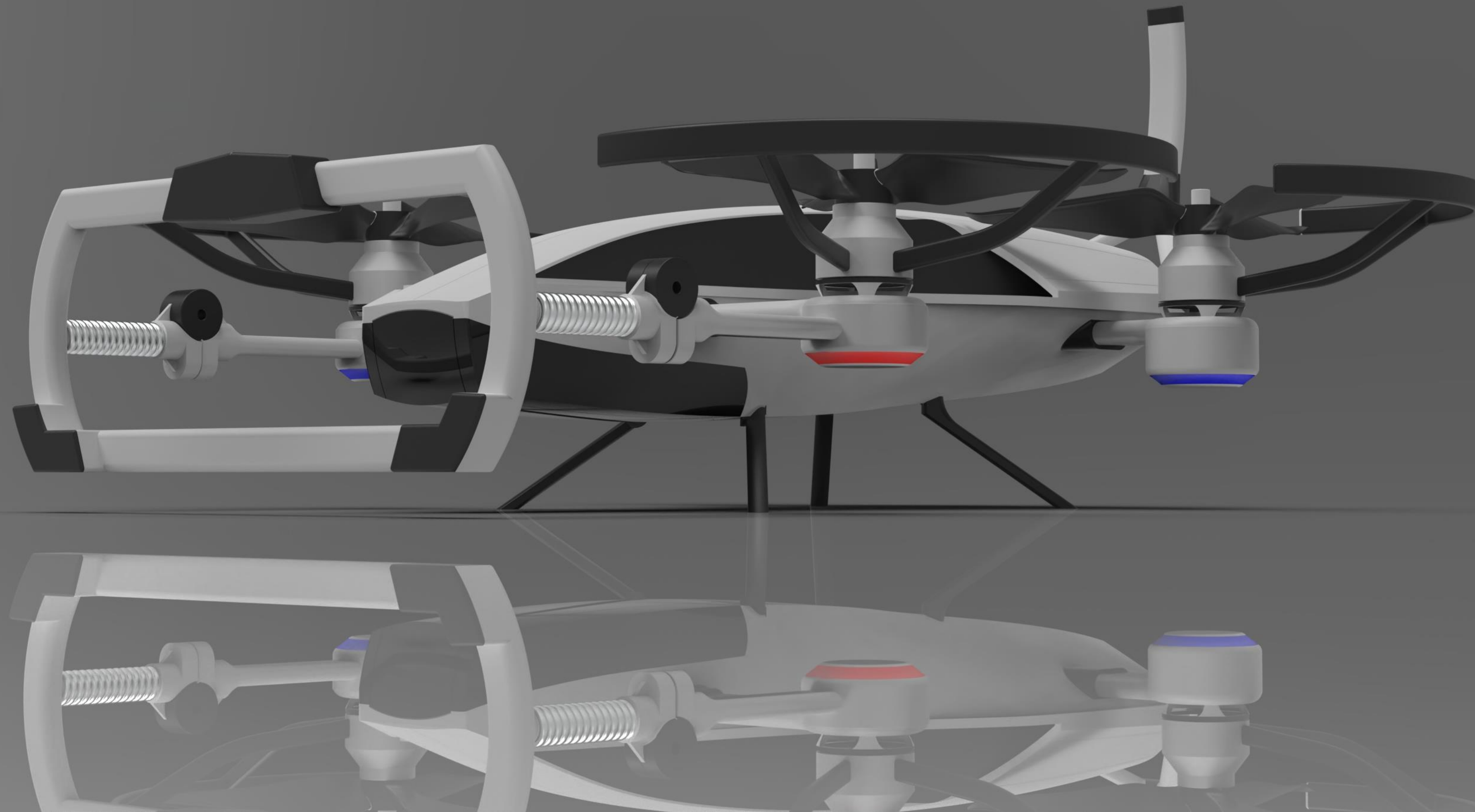Static sensors – high installation cost and not effective

Drones are limited by aviation regulation – Ground pilot is required

Drone short battery time

FLYZ

FLYZ Solution – Drobot
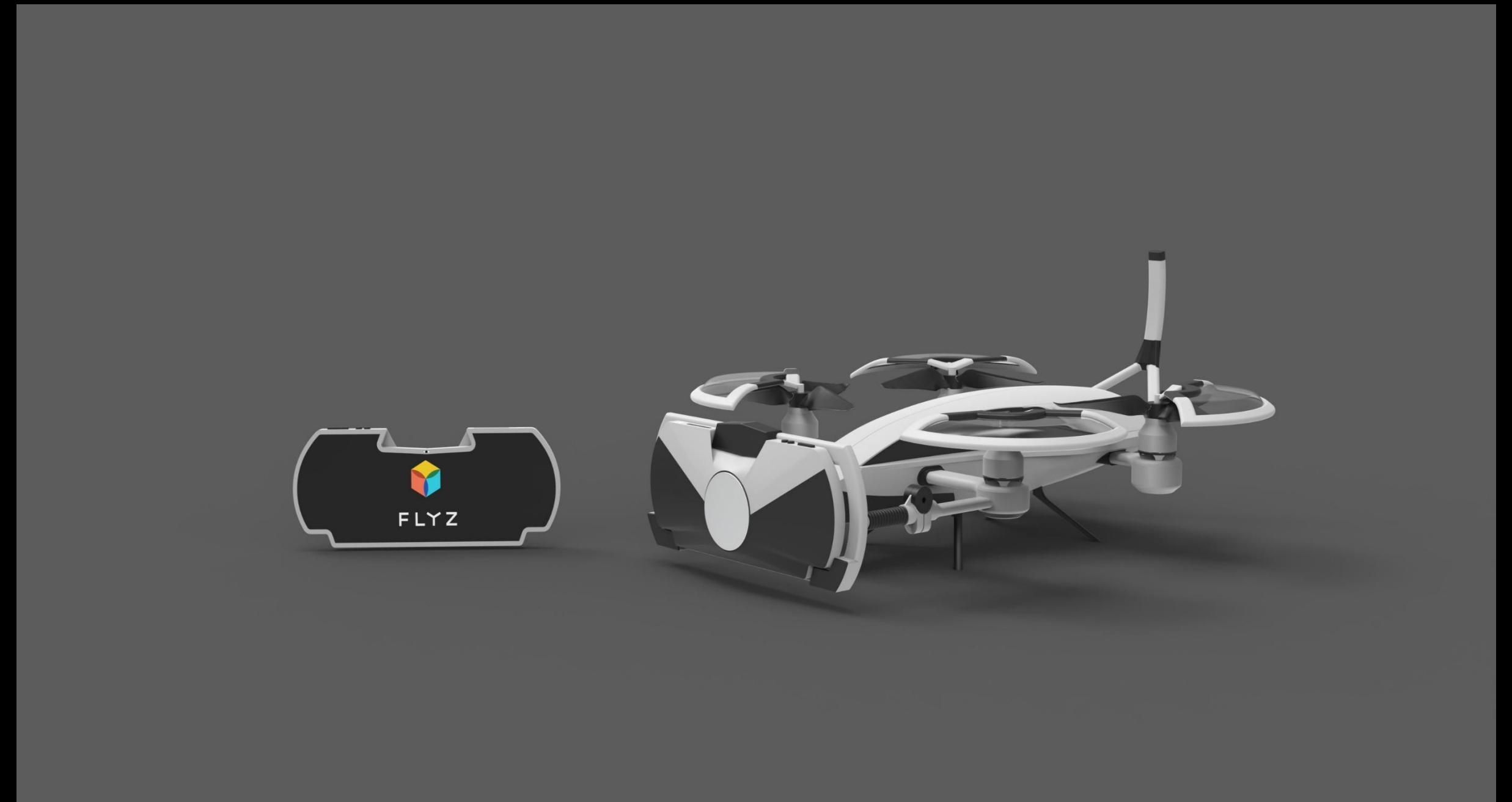## An urban dynamic sensor platform

Drobot – What it can do?
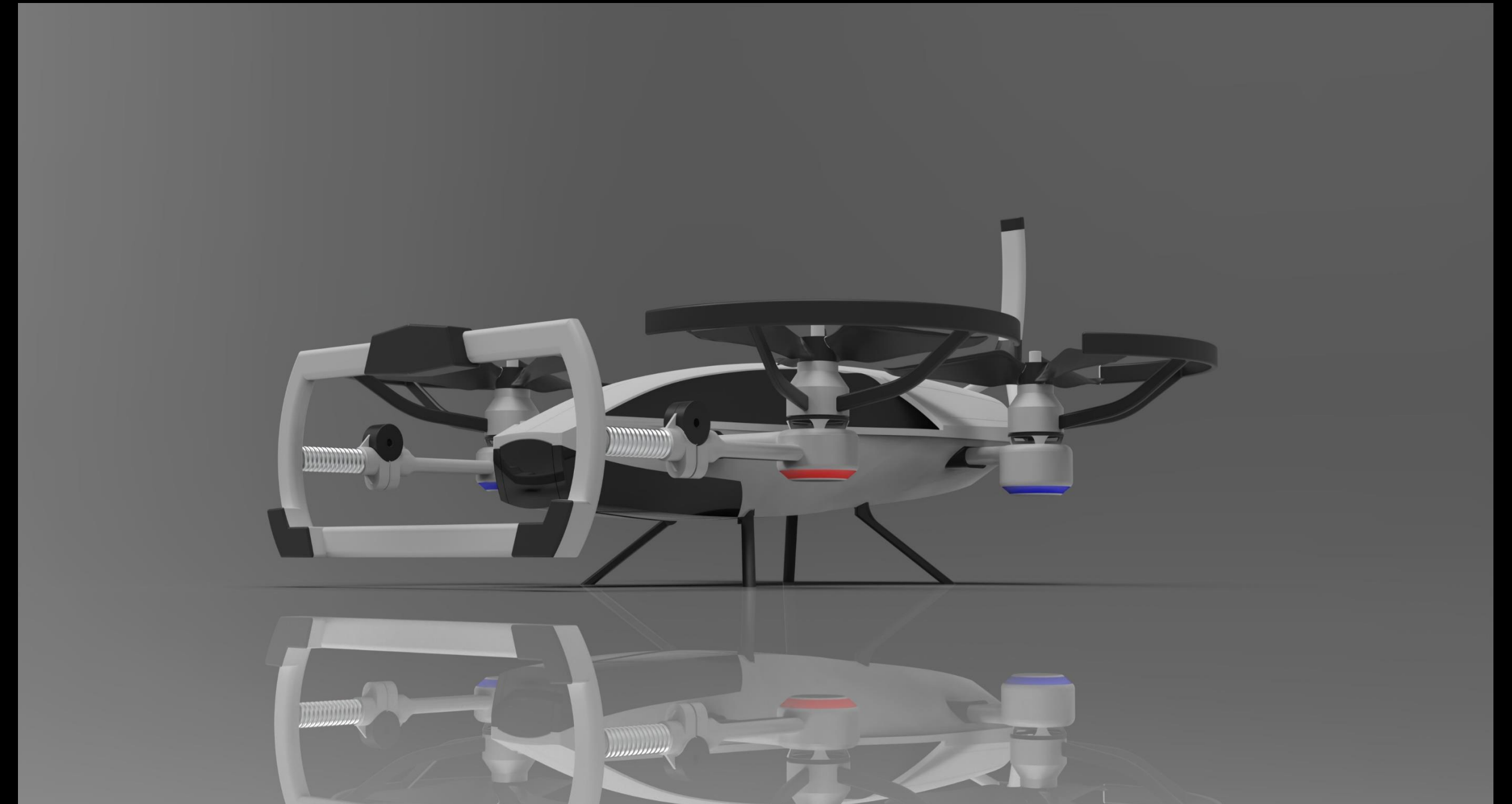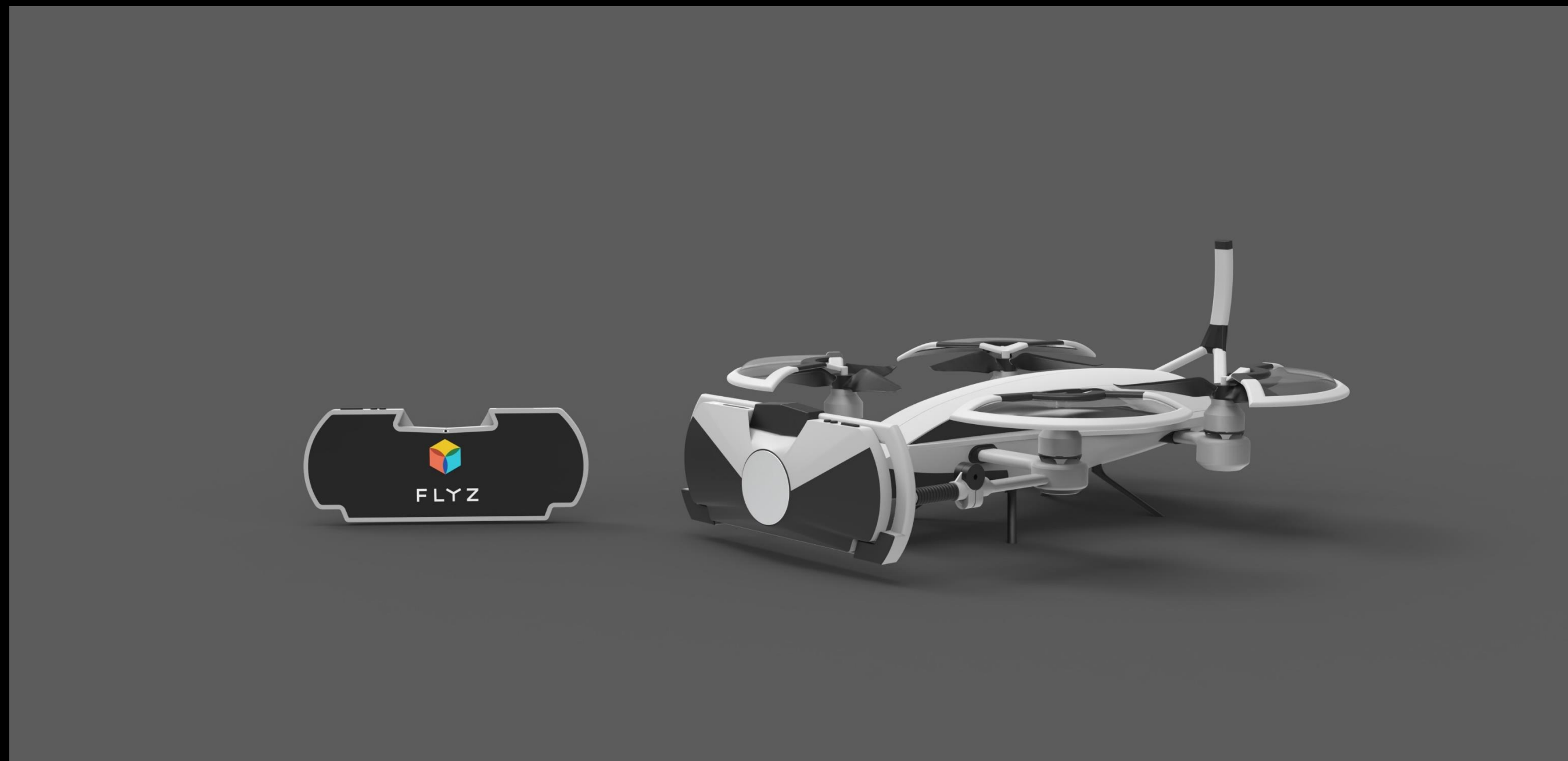
Live video from everywhere

Dynamic sensors distribution

It can do both in a single click

Option 1 – Video On Demand
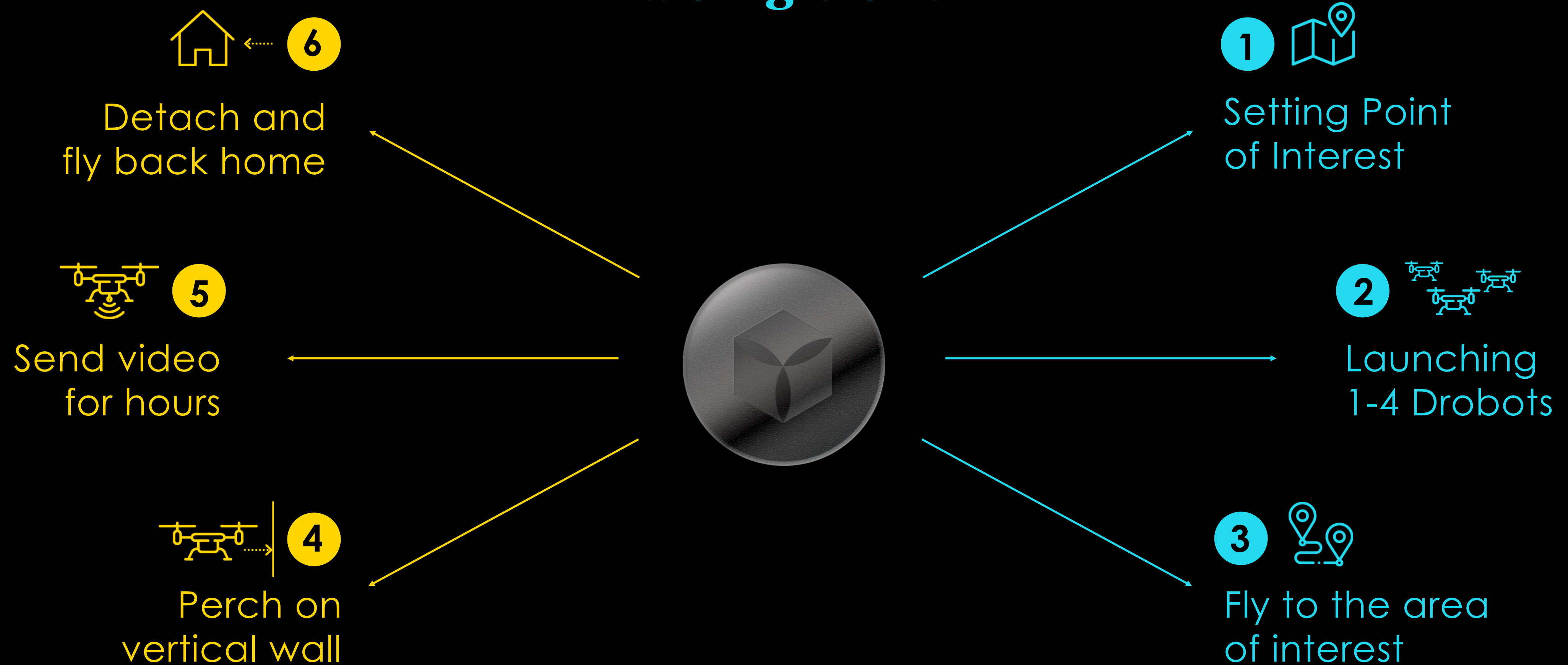
Option 2 – Sensors On Demand

Drobot Full cycle in in a Single Click

**6** Detach and fly back home

5 Send video for hours

4 Perch on vertical wall

1 Setting Point of Interest

2 Launching 1-4 Drobots

3 Fly to the area of interest

FLYZ

FLYZ Solves It All
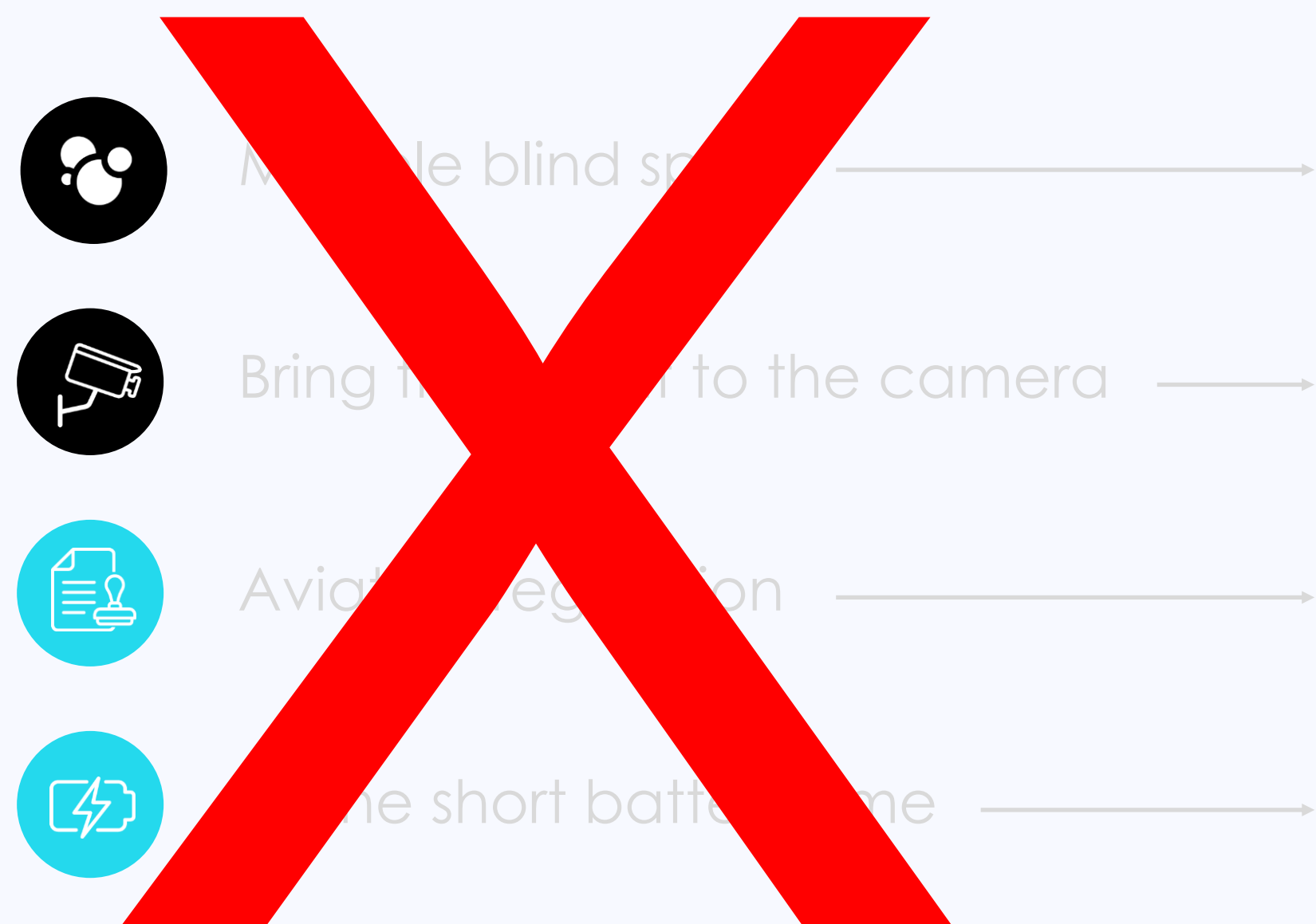
Middle blind spot → On demand Drobot and sensors installation everywhere

Bring the target to the camera → Brings the camera/sensor to the point of interest

Aviation regulation → Up to 250g Drobot – No need for a ground pilot

The short battery time → Perch on walls and save energy – (**10** x times longer)

FLYZ

Traction
Bootstrap ◀▶ Prototype

R&D

Risk reduction
Research
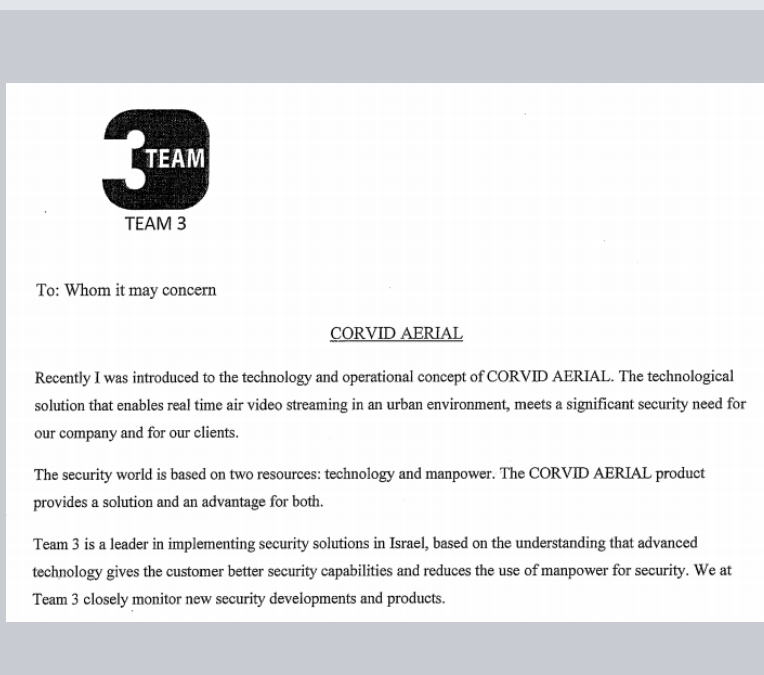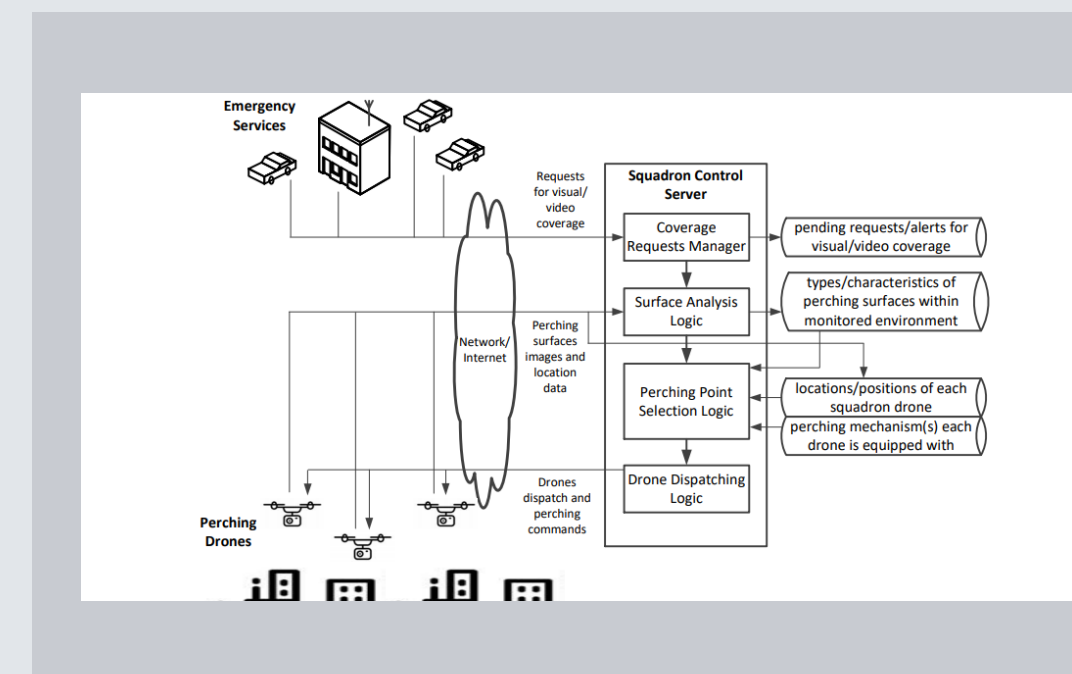Prototype

FLYZ
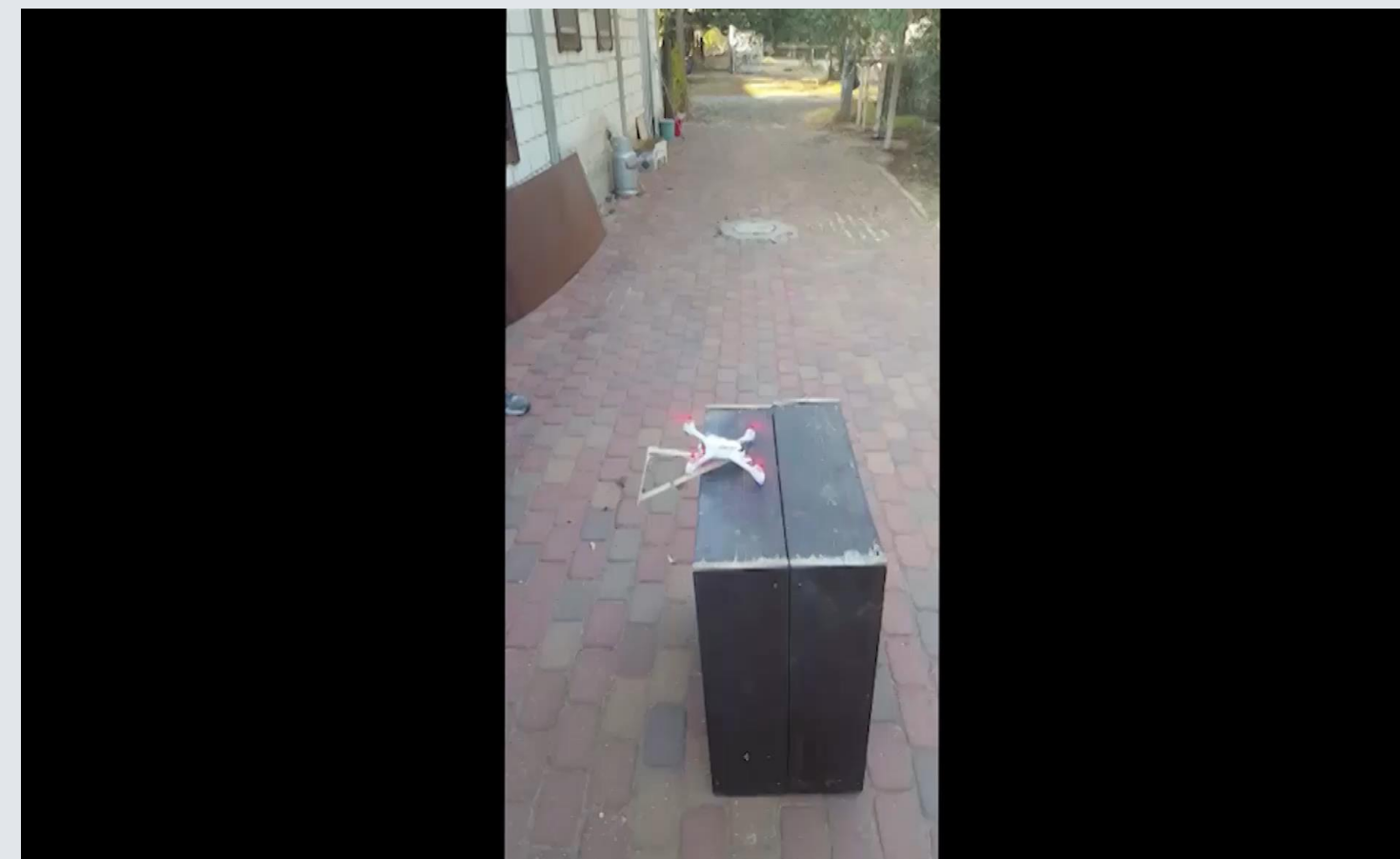
Traction
Bootstrap ◀▶ Prototype

BizDev – Market fit

LOI's - Design
partners,
Clients, Marketing
channels

IP

System
provisional

U.S Provisional Application No. 63287096
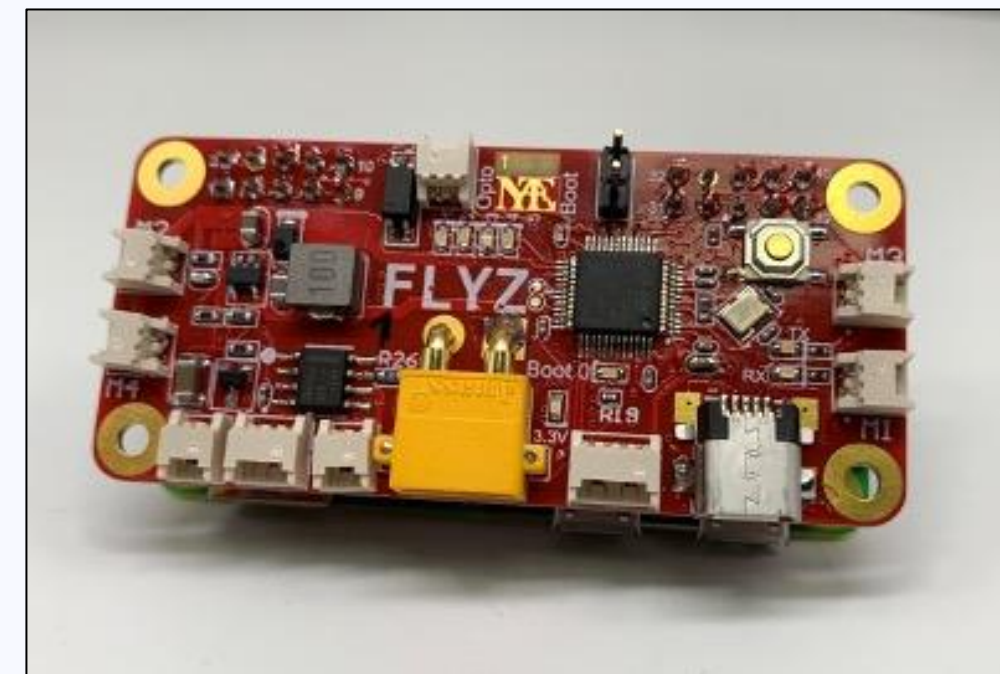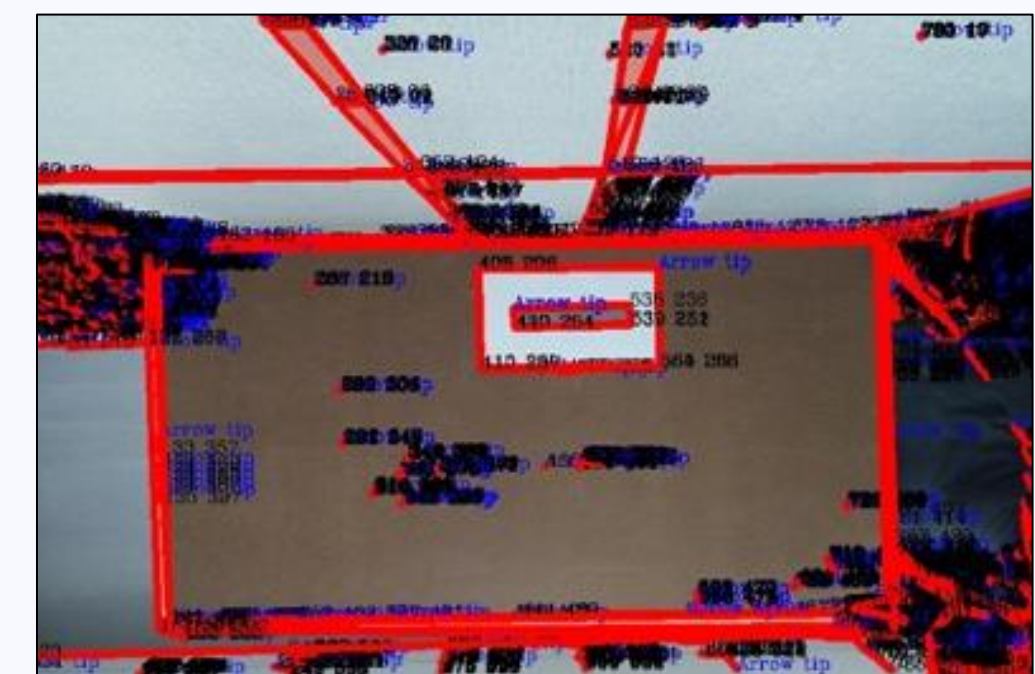
Pre Seed ◄► MVP

We Execute

Hardware
—
1ˢᵗ Generation

Software
—
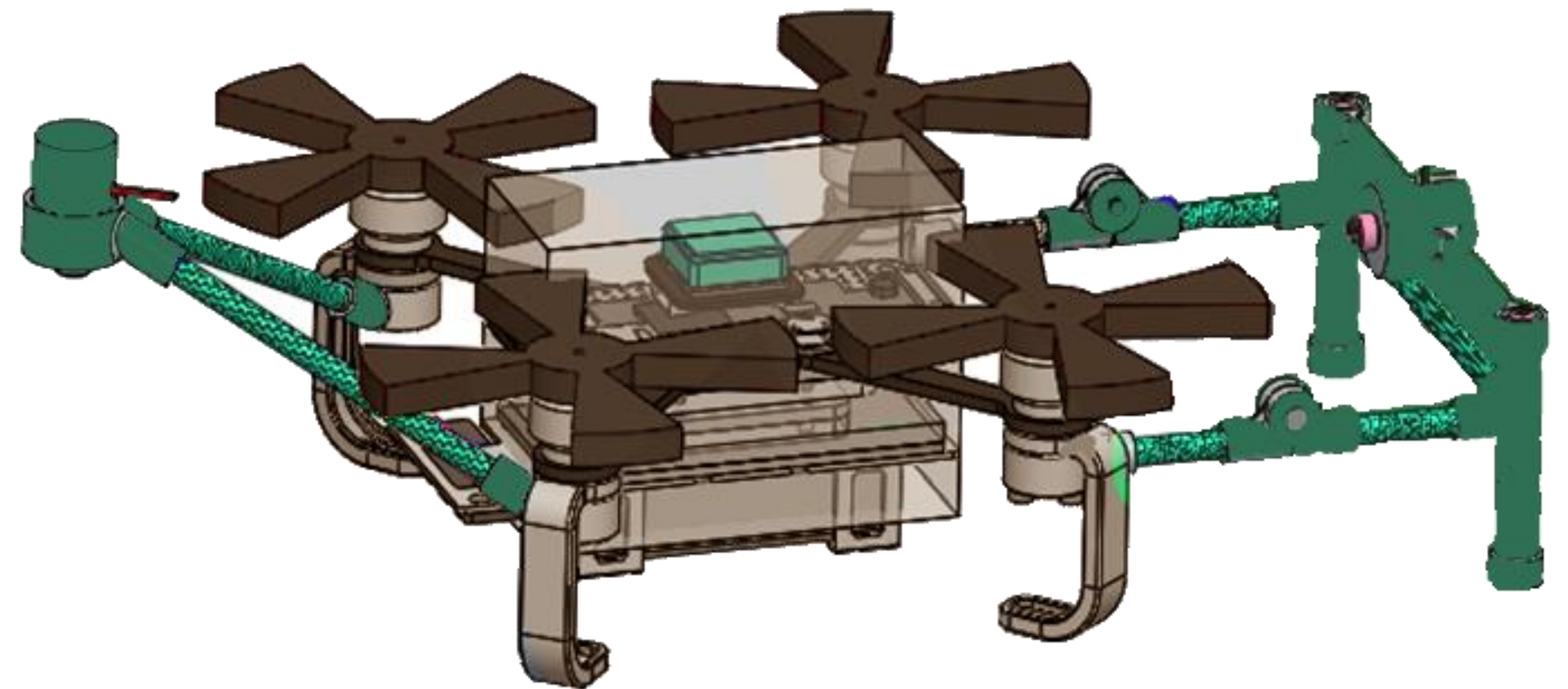V1

FLYZ

Focused

Enabling Hardware <10%

- Utilize Drone HW + Tail manipulation
- Biomimicry – Innovation to operation

Autonomous Squadroned Software >90%

- Last meter - Horizontal landing decision (material, POV)
- Navigation & Management

IP

- Provisional application on tail and system architecture
- Know how – SW & autonomous flight
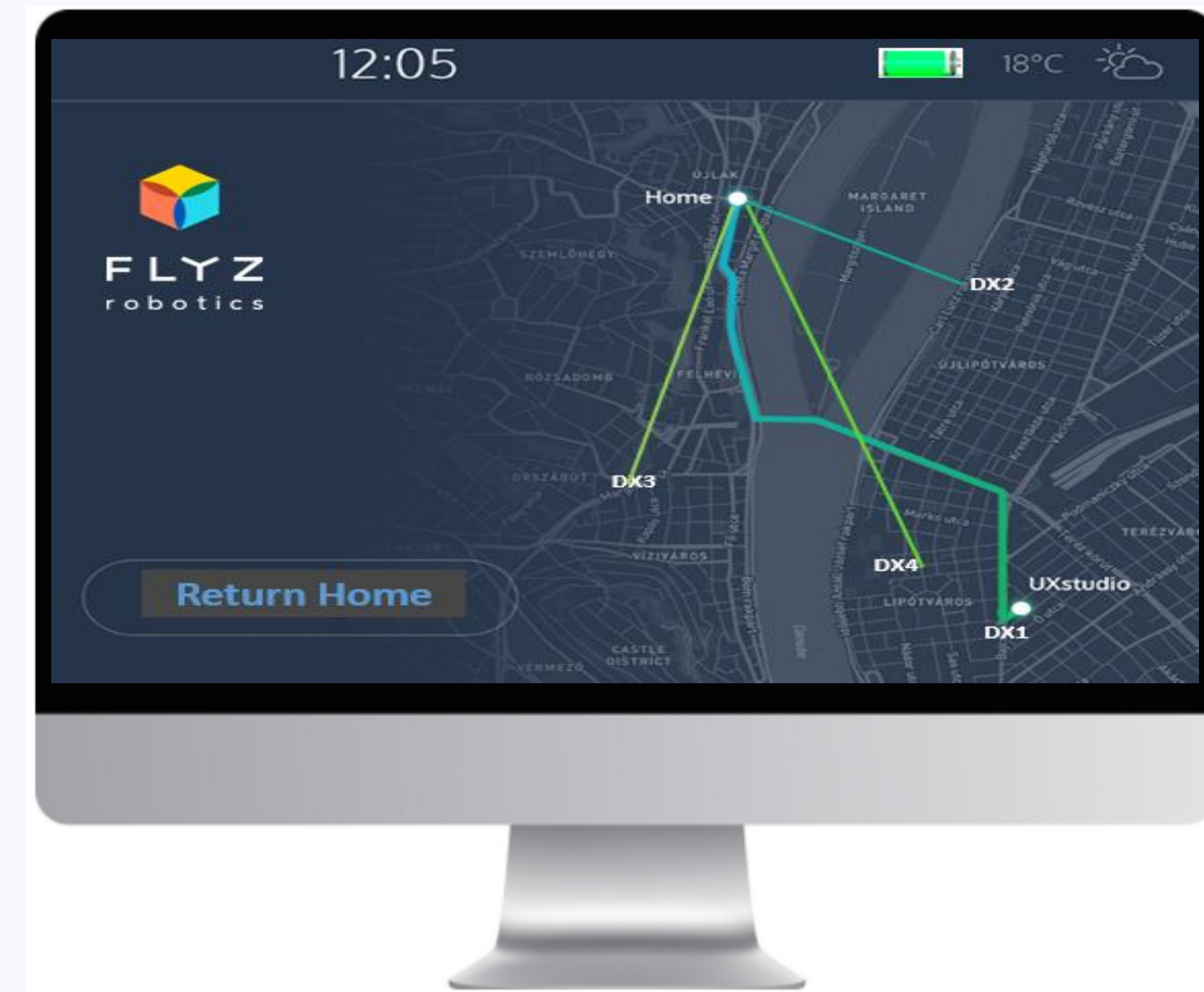
Heavy AI Light HW

Light HW

- Up to 250 gr
- Power consumption sensitive design
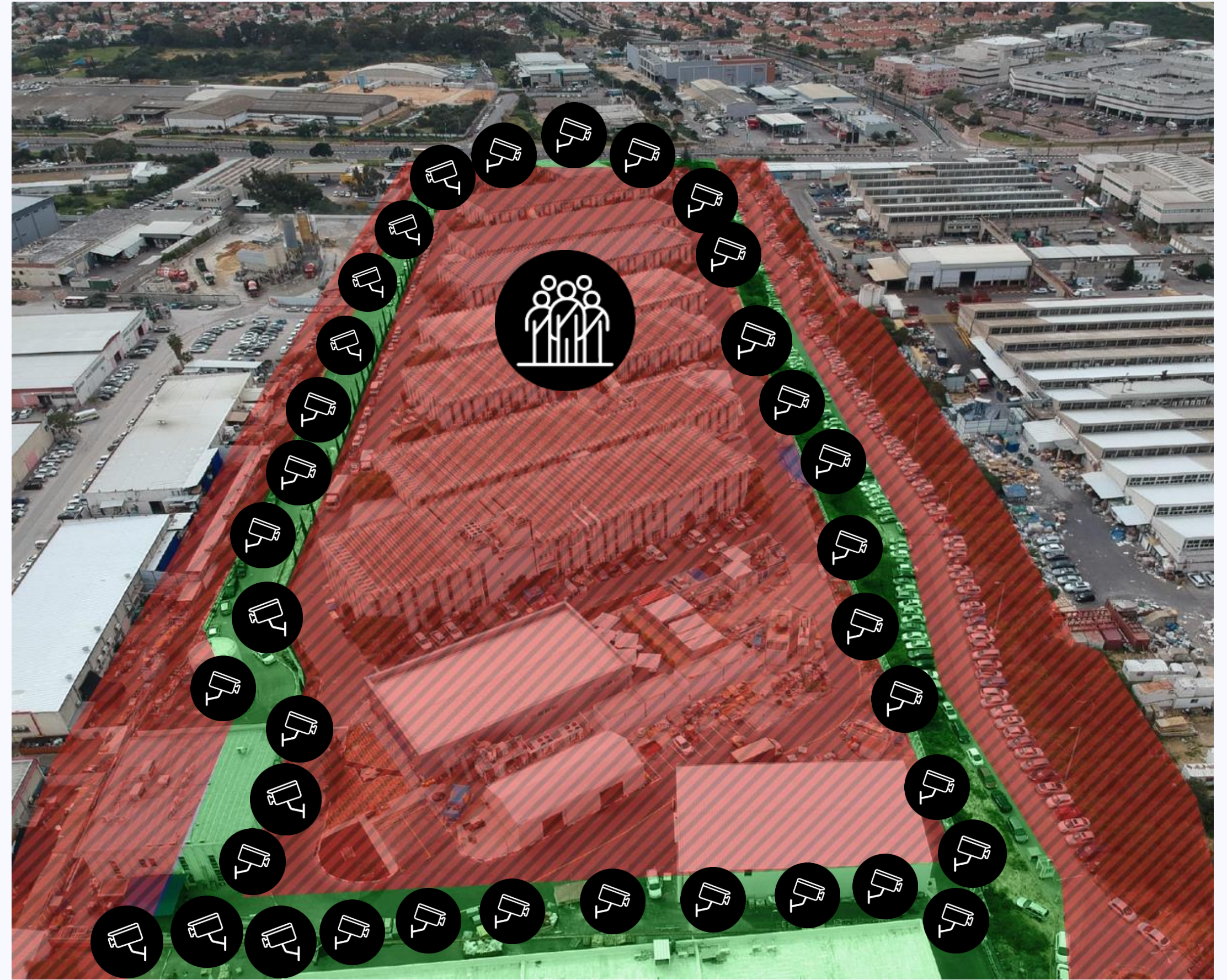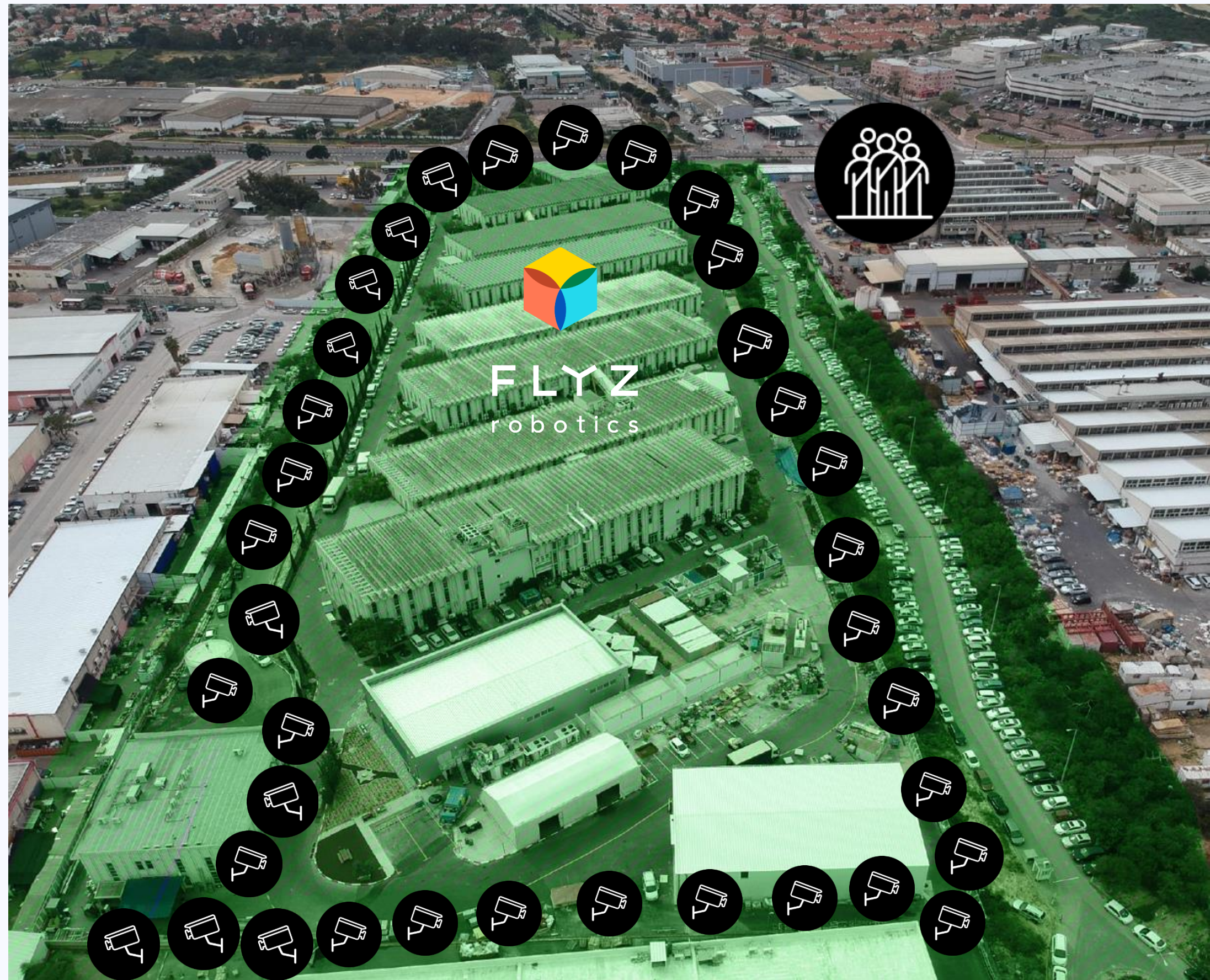
AI on the edge

- Perch & Rest Maneuver (Location & Surface)
- Verify ROI view

Machine learning

- Data Driven performance improvement

Triple Use Cases - Covers More Costs Less

30% NIS 1.032M (Per Year)

Multiple Use Cases – Civil (B2B)

Critical Infrastructure

Gated Communities

Mega Events

Smart Cities

Multiple Use Cases – HLS (B2G)

VIP protection & Policing

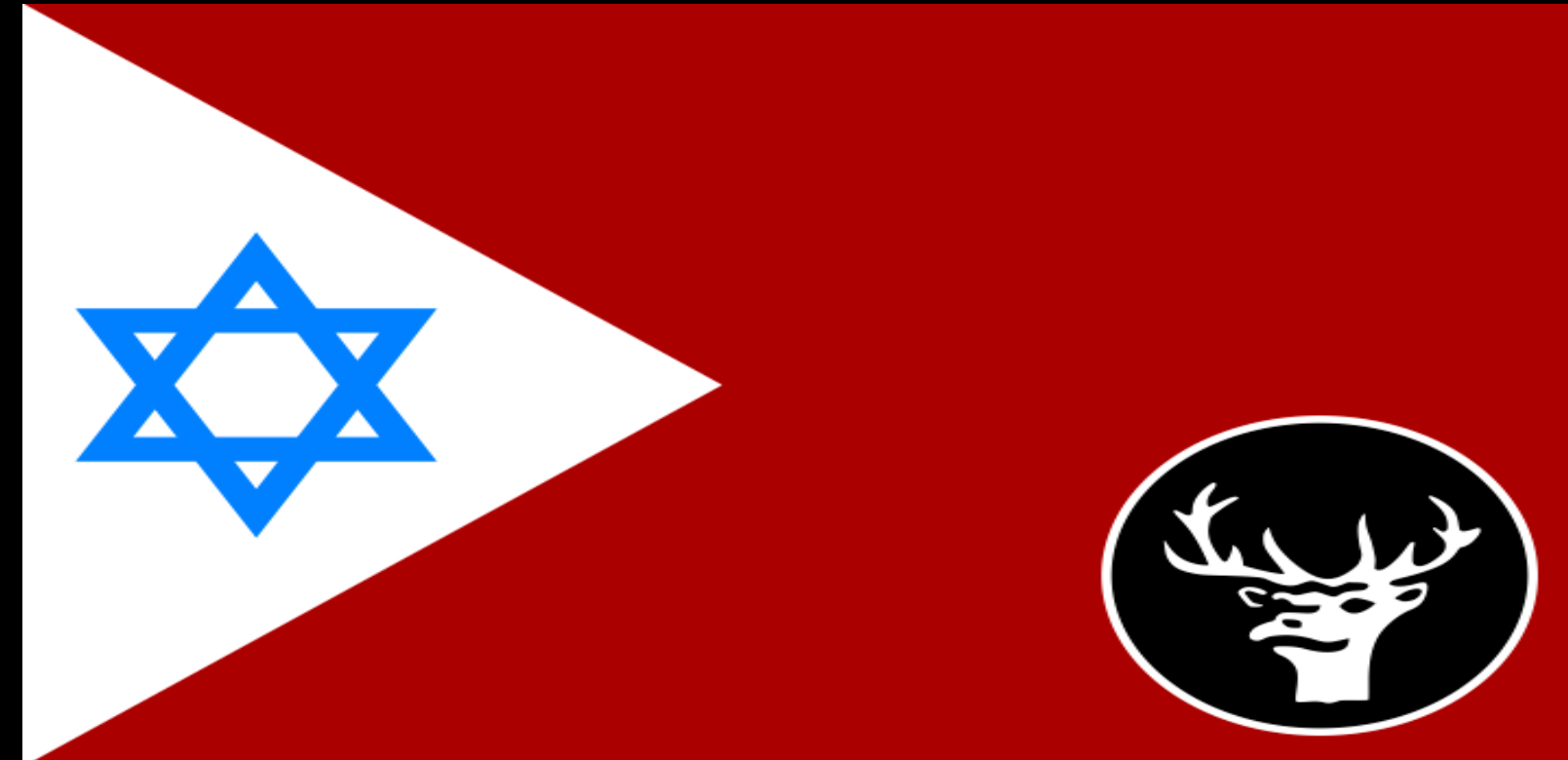## SWAT

Safe Cities

Search & Rescue

Multiple Use Cases – Defense (B2G)

North Command

MOUT – Military Operations in Urban Terrain

CTTSO

Business Model:

A disruptive Drobot as a service (DRAAS) Business Model

DRAAS – Drobot As A Service

**Cost: USD 8K Per Month – Full kit squadron
(4 Drobots)**

Includes

- **Free Replacement Warranty** (Lean BOM/HW)
- Installation - Plug and Play system
- Training - fully autonomous
- Cloud Service – Advanced AI
- Two additional operating stakeholders

Tactic Product

**Cost: USD 48K Per - Unit Full kit squadron
(4 Drobots)**

Includes

- Training
- Basic AI capabilities
- Designed for unknown environments

Excludes

Additional apps for unique needs (Safety, logistics)

Multi - sensor attachment mechanism – Audio,
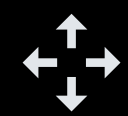
Environmental, Visual etc.

FLYZ

Market Size

15.2%
CAGR

10.4%
CAGR

25%
CAGR

$65B

<$1B

$10B

Video Surveillance & Situational Awareness
52% Cameras and Software

AMR – Autonomous Mobile Robots

Drones - Security

FLYZ

Go to Market Strategy

$115.2M ARR in 4th Year – Think global act local

Today	1st Y	2nd Y	3rd Y	4th Y
Seed – USD 3.5M – Full cycle product		**Round A – Scale**		
Seed round closes	**R&D**	**General Availability**	**Scale 1**	**Scale 2**
Design partners:	**Turn LOI's into P.O** **Drobot V1 MVP early sales**	**20 Paid customers** **Drobot V2 ready**	**200 Full kits** Boots on the ground (ME) • Secured compounds • Construction sites • Cities	**5 more countries\states** 1000 Units

Competitive Landscape

	Drones	CCTV	Manpower	FLYZ
Regulation in cities	✖	✔	✔	✔
Dynamic	✔	✖	✖	✔
> 1 hour of work	✖	✔	✔	✔
Cost effective	✖	✖	✖	✔
Simplicity	✖	✔	✖	✔
Modularity	✖	✖	✖	✔

FLYZ

Thank you.

Ron Shafran
CEO
ron@flyz.io