

# THE "SITALLITE"

## Geo-Synchronous High-Altitude Platform for Persistent Surveillance & Connectivity

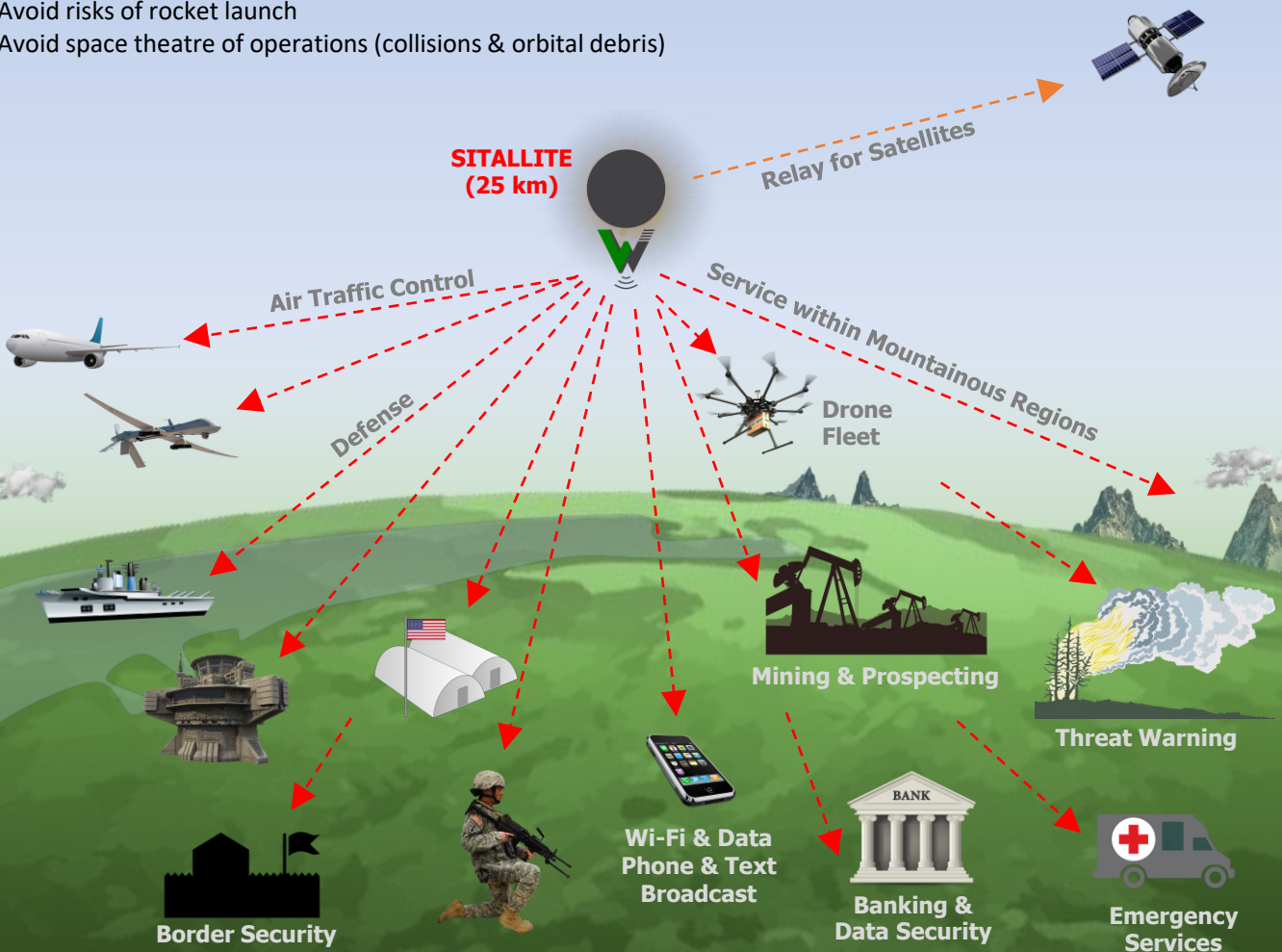
The "Sitallite" is an alternative to satellites and drones. Any desired client payloads will be flown to the stratosphere (15 miles, 25 km, 80,000 ft) and hold position for indefinite operation or fly as desired, with dramatic savings in cost, complexity, and risk.

### Innovations:

- Maintain stable position in the sky, indefinitely (persistent surveillance)
- Save Millions on launch costs (no rockets)
- Save Millions on payload development (iterative testing)
- Connect all assets without reliance on space satellites
- 1,000 km diameter cone of coverage (1 Million square km range)
- More payload, more electrical power, more flight time than competitors
- Greater resolution than satellites
- Avoid risks of rocket launch
- Avoid space theatre of operations (collisions & orbital debris)



**DEFENSE  
INDUSTRY  
GOVERNMENT**



## WHAT IS OUR SERVICE?

- We transport client instrument payloads to high-altitude (the stratosphere, 25km / 15 miles / 80,000 feet) for indefinite observation and transmission services

## WHO WOULD USE OUR SERVICE?

- Any group who would normally use a satellite, space rocket launch, UAV, drone, helicopter, aerostat, tethered balloon, free-floating balloon, or telecom tower network
- Defence Forces, Private Industry, Government, NGOs, Academia

## WHAT PAYLOADS CAN WE CARRY?

- Any payload desirable, either existing or custom-built (turn-key solution)
- Defense, Security, Aerospace, Mining & Prospecting, Data Management, Cyber Security, Search & Rescue, Storm Warning, Forest Fire & Flood Warning, Emergency Communication Restoration, Testing of Space-Bound Assets before Launch, Government, Science, Astronomy & Space Science, Education, R&D...
- Weight is not a limiting factor. We will scale our balloon size to lift any payload (50 kg, 100 kg, etc.)
- Power is not a limiting factor. We beam energy wirelessly from the ground to the craft for vastly expanded energy capability (kilowatts, 10s to 100s of kW, etc.).

## WHY CHOOSE THE "SITALLITE"?

- Dramatically lower cost, complexity, and risk
- Operate high above weather and air traffic, but far below satellites and the dangers of space
- Deploy in days instead of months or years to avoid technology lock
- Maintain static position in the sky, indefinitely, for persistent surveillance
- Quickly land for payload upgrade, maintenance, or replacement, and rapidly re-deploy within hours
- Deploy extra units for resiliency and continuity of service year-round during maintenance
- Sustainable, green, no fossil fuel use

## HOW DO WE DO IT?

- We combine proven, patent-expired technologies into a novel, patent-protected whole product
- We utilize super-pressure balloons for lift and constant altitude, electric air-breathing thrusters for lateral station-keeping, and wireless power transmission from ground to craft for an unlimited supply of energy

## WHEN WILL THE "SITALLITE" BE AVAILABLE?

- We are seeking more strategic partners for investment and development support to construct full prototype and reach market within a few short years. We welcome inquiries and meetings with all interested parties.

## THE "SITALLITE"

A COST-EFFECTIVE METHOD FOR  
PAYLOAD POSITIONING

**VanWyn** is an aerospace engineering company based in Hamilton, Ontario, Canada with affiliations throughout Canada, the United States, Japan, and elsewhere. We have operated since 2015, developing our flagship product, the "Sitallite".

**CONTACT US TODAY!**