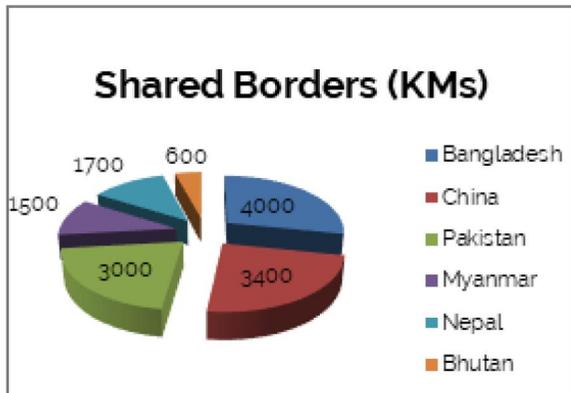




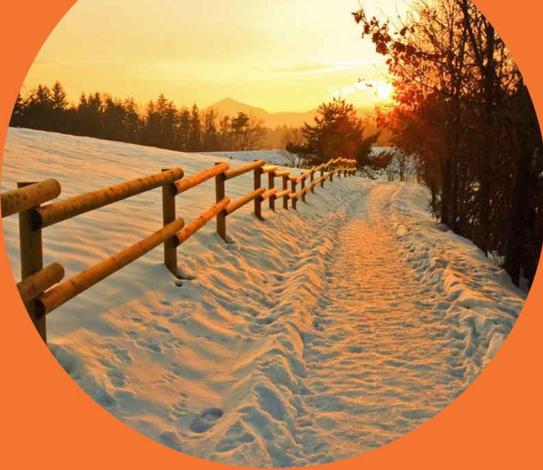
INDIA'S BORDERSCAPE

Land border (14000KM): Coastal Border (8800KM)



LOGISTICS

"The line between disorder and order lies in logistics" – Sun Tzu, The Art Of War



LOGISTIC CHALLENGES

- Snowfall blocks roads : Rainfall turns roads to liquid-mud.
- Mountainous terrains with steep gradients have no roads.
- Helicopter and Drone don't fly here at night or in bad- weather.
- Impenetrable forests and washed-off roads stop vehicles.
- Helicopters, Trucks, Mule Trains & Porters have limitations.

Effective Logistic Supplies await fair-weather and daylight.

Infiltrators lie inactive and use hidden- time to:-

- Recruit radicalized youth;
- Survey target areas;
- Glean patterns in security;
- Study getaway routes; And thus multiply their deadly effect, manifold.

Either prevent infiltration at a reasonable cost; Else, search out infiltrators in habited communes, at high costs.

SURVEILLANCE

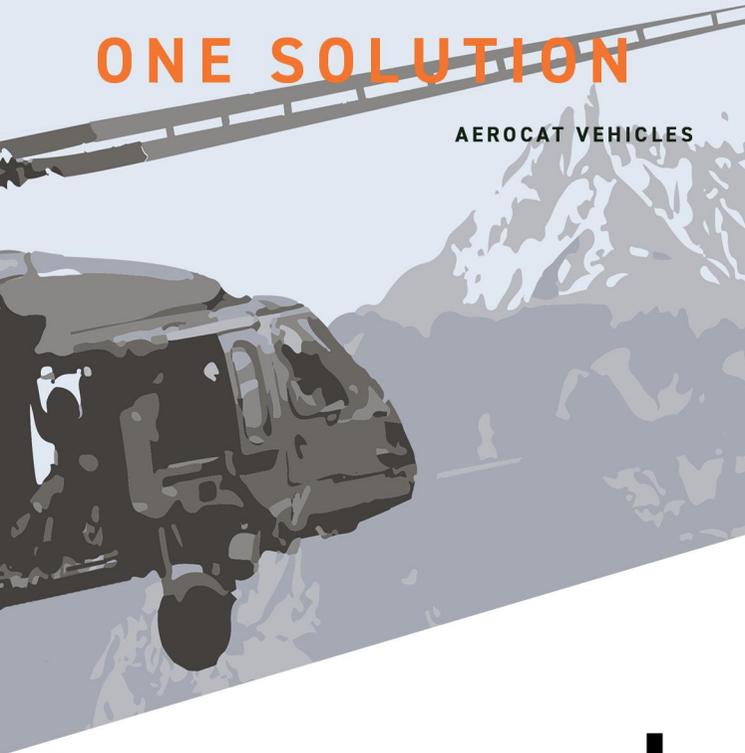
SURVEILLING CHALLENGES

1. Land Borders:
 - UAVs can use sensors to detect infiltration, but cannot deliver boots-on-ground.
 - Unmanned sensors of AIOS (Anti Infiltration & Obstacle System) can breakdown.
 - Positioning guards along the Line Of Control (LOC) and 'Trump-walling' the stretch is infeasible.
2. Coastal Borders:
 - Local fishing boats are active both in the day and at night.
 - Bad weather, inhospitable road- less terrain, impenetrable forests, rocky coves and high sea-state are challenges.
 - Continuous patrolling by ships is expensive.
 - Patrolling by air and water-craft in bad weather is infeasible.



TWO PROBLEMS, ONE SOLUTION

AEROCAT VEHICLES



TRANSPORT SYSTEMS COMPARISON

TRANSPORTATION TYPE	WEATHER IMMUNITY	POINT TO POINT	EXTENSIONS EASY	FAIL SAFE	ANYWHERE (DIS-JEMBARK)	LOW VARIABLE COSTS
AEROCAT	✓	✓	✓	✓	✓	✓
DRONE(AIR MULE)	x	✓	✓	x	✓	✓
HELICOPTERS	x	✓	✓	x	x	x
ROAD TRANSPORT	x	x	✓	✓	✓	✓
CONVENTIONAL CABLE	✓	x	x	x	x	✓

A 'MAKE-IN INDIA' DESIGN PATENT

**THINK
AEROCAT >>>
ALL TERRAIN
ALL WEATHER
ALL TIMES:
EVERY TIME!!!**

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AEROCAT VEHICLES



LOGISTICS AND SURVEILLANCE

**ONE PLATFORM ↔ MEETS TWO NEEDS
IN TOUGH TERRAIN**