

DRONES:

REINVENTING AIR CARGO
REINVENTING TRADE

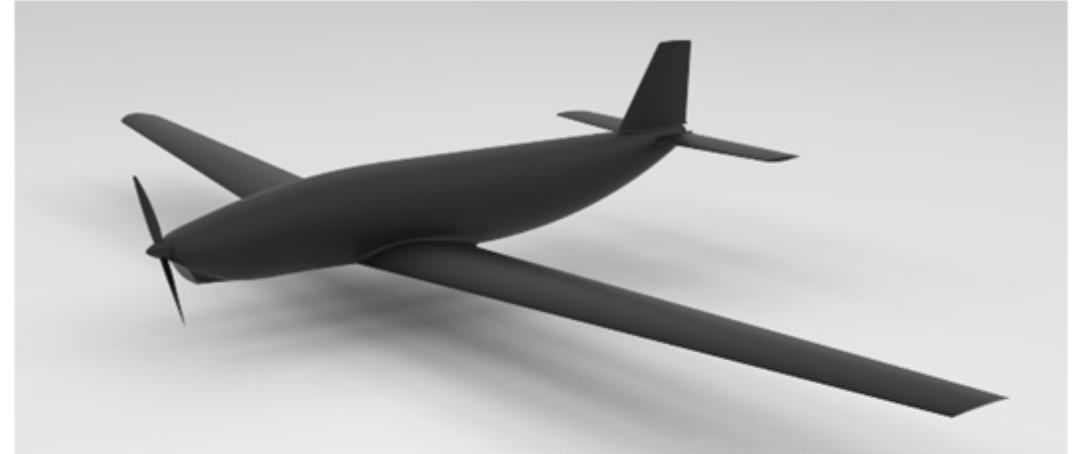


ABOUT ME

ONE HALF OF **THE RANGELOV BROTHERS**

LEADING A SMALL TEAM OF
EXPERIENCED AEROSPACE ENGINEERS

WORKING ON **UNMANNED CARGO
AIRCRAFT** SINCE 2014



Mentions & Features



Awards



PIONEERS FESTIVAL
1,600 STARTUPS
98 COUNTRIES
Vienna, 2015



HELLO TOMORROW
3,600 STARTUPS
90 COUNTRIES
Paris, 2015



KAIROS GLOBAL SUMMIT
500 STARTUPS
50 COUNTRIES
Los Angeles, 2015

DRONES CAN:

Be **more fuel-efficient** than **cargo airplanes**

Enable **same-day international** delivery

Empower communities worldwide

Revolutionize **e-commerce**

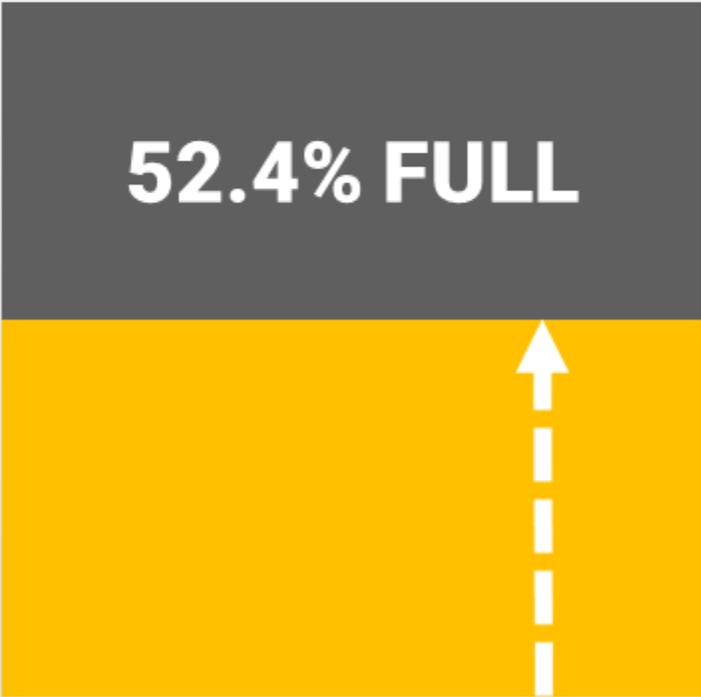
Reinvent **trade**

THE 3 LAWS OF ON-DEMAND AIR CARGO

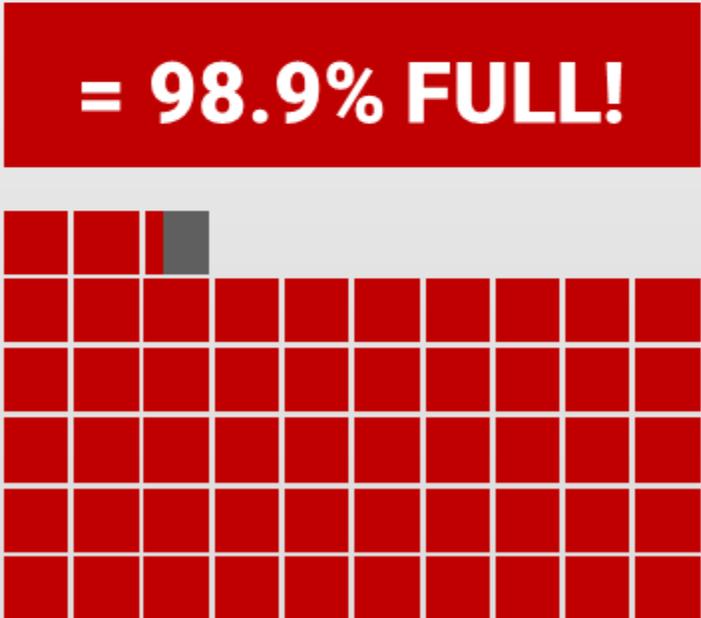
1

SMALLER AIRCRAFT = HIGHER RESOLUTION

52.4% FULL

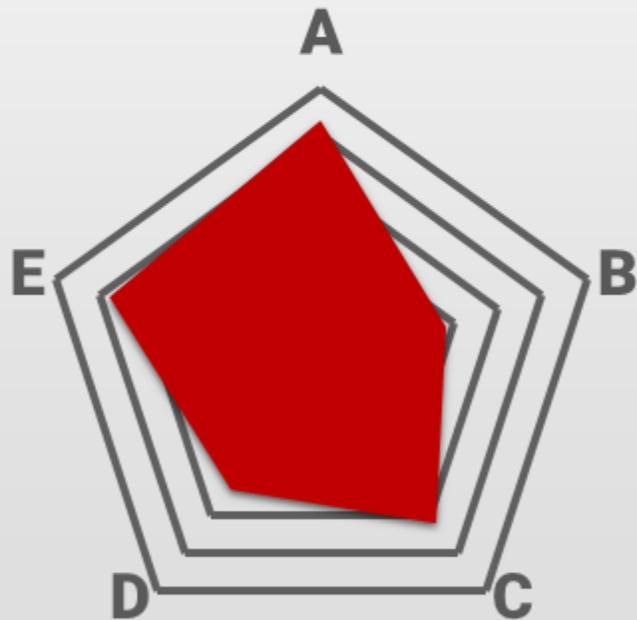


= 98.9% FULL!

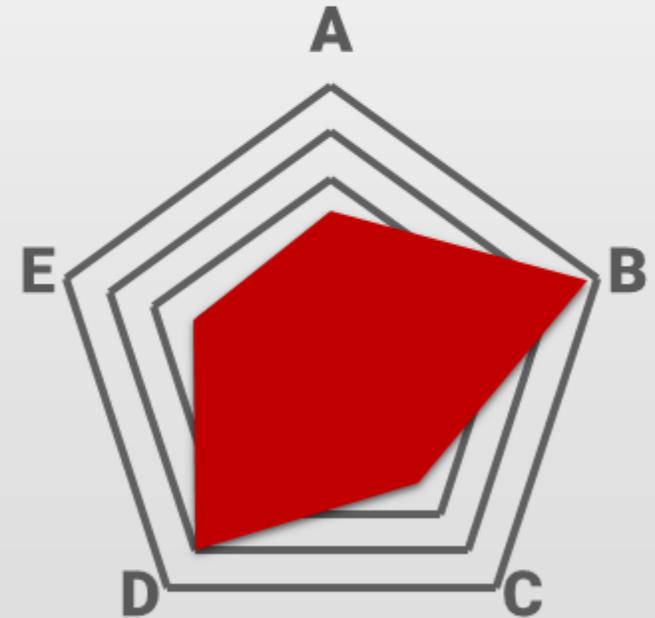


THE 3 LAWS OF ON-DEMAND AIR CARGO

2 UNMANNED = HYPER-MOVABLE



**ASSETS GO
WHERE THE
DEMAND IS
(e.g. B & D)**



THE 3 LAWS OF ON-DEMAND AIR CARGO

3 CHEAPER TO OWN AND OPERATE (PER FTK)



THE BLACK SWAN

**LAW #1:
SMALLER**

PAYLOAD

350 KG
770 LBS

**LAW #2:
UNMANNED**

RANGE

2,500 KM
1,500 MILES

**LAW #3:
CHEAPER**

COST

20%-50%
cheaper / FTK

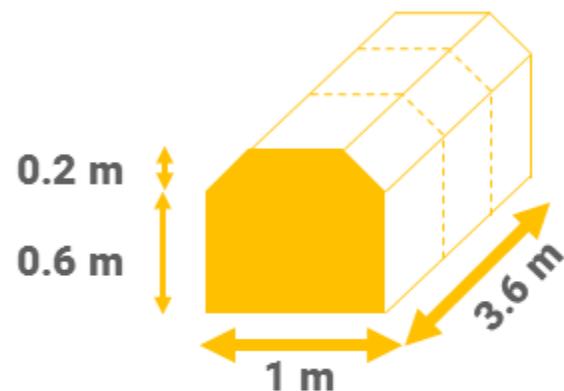
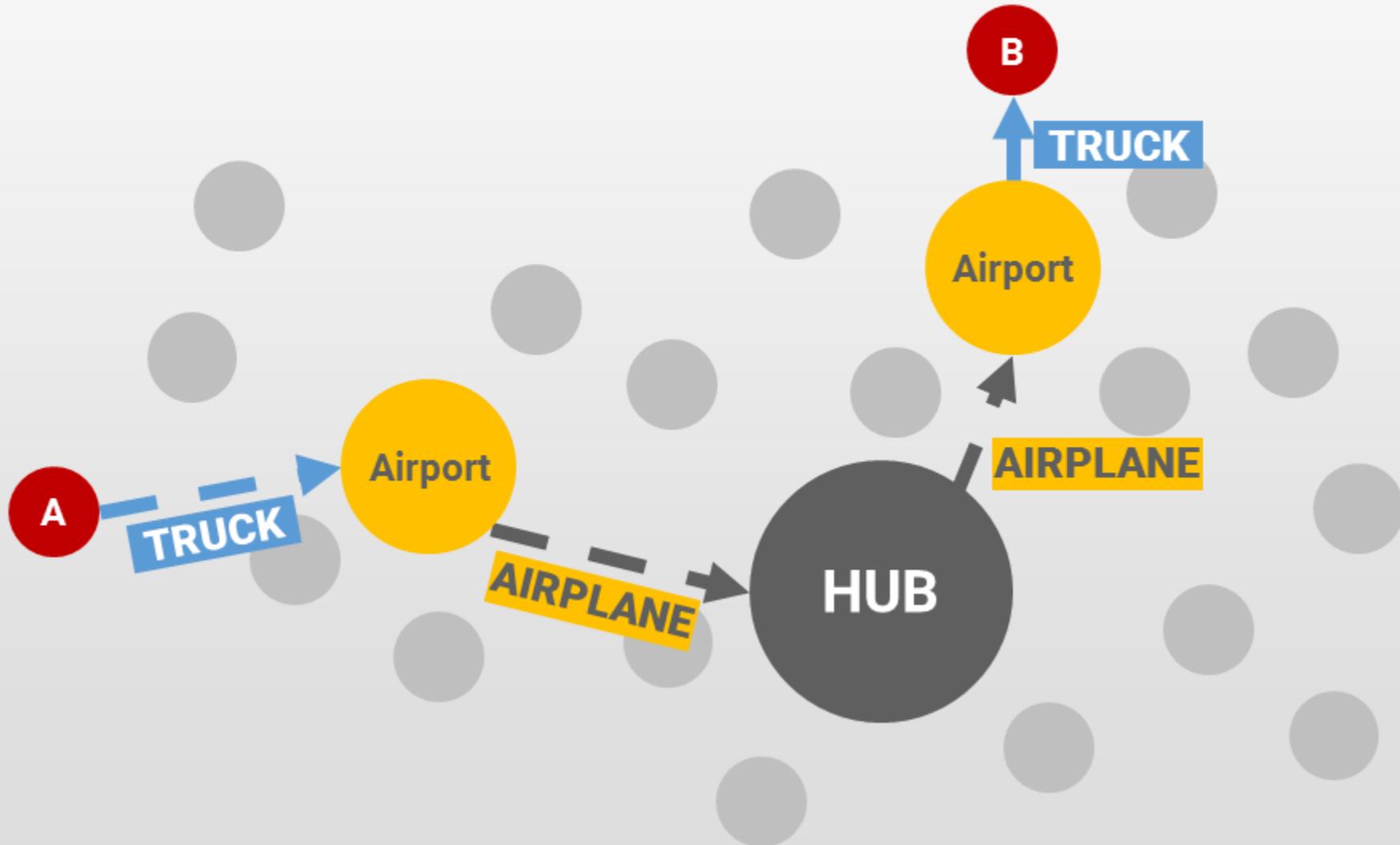
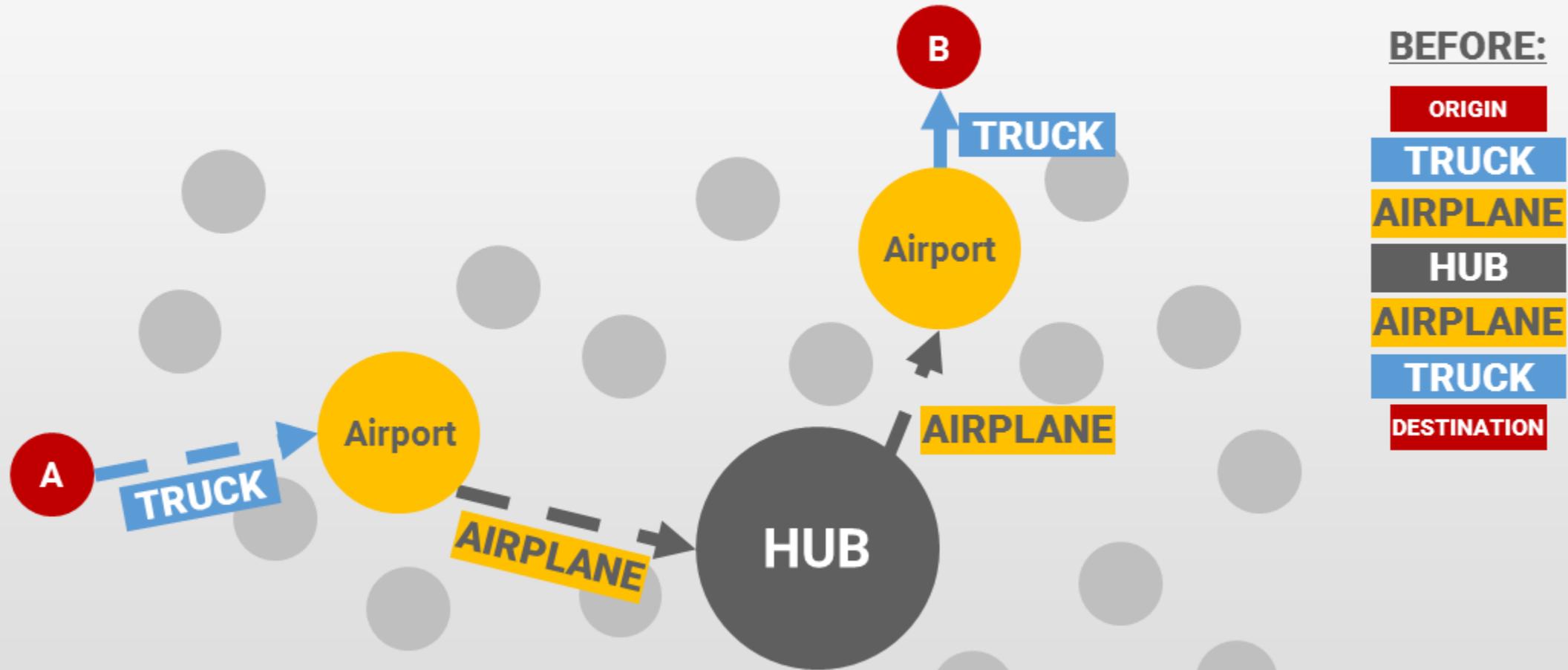


Illustration only, not actual design

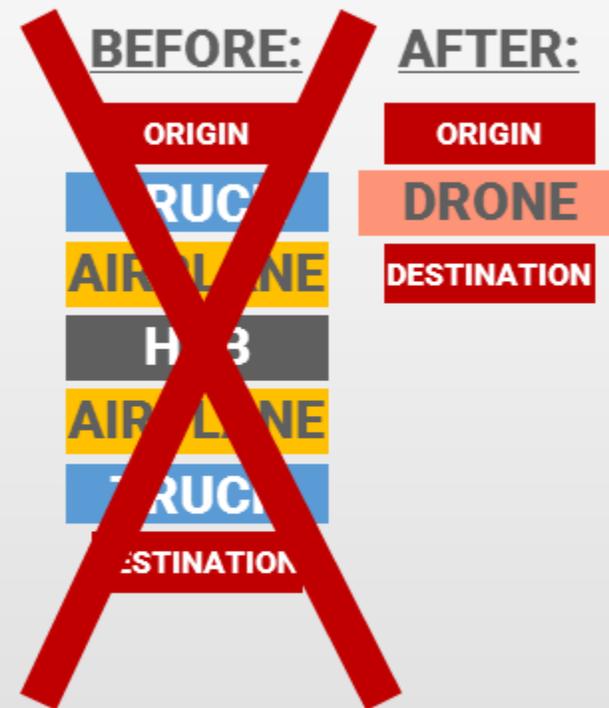
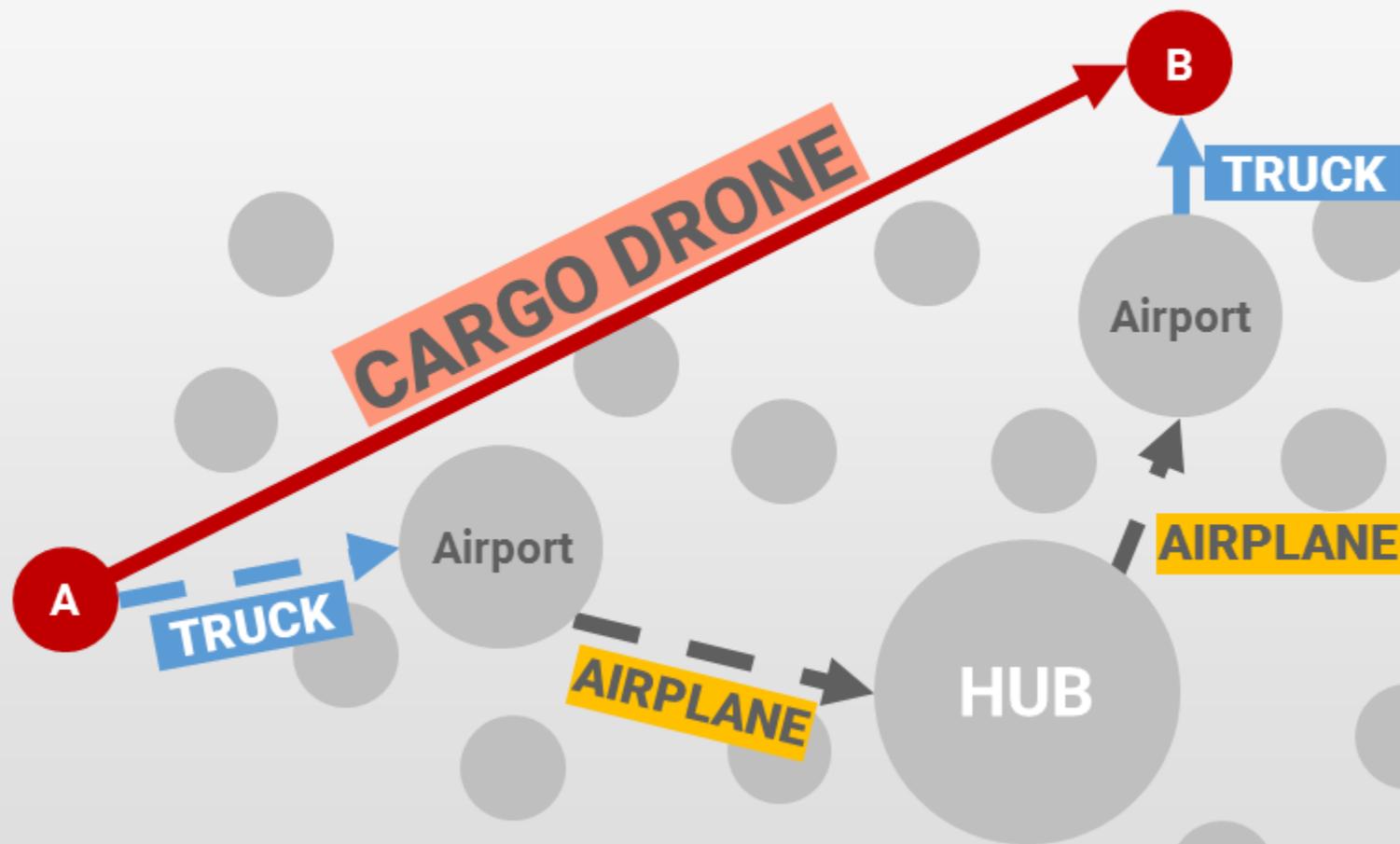
THE OLD MODEL



THE OLD MODEL



ON-DEMAND AIR CARGO



ON-DEMAND AIR CARGO

MODALITY: REDUCED

TIME: REDUCED

COST: REDUCED

COMPLEXITY: REDUCED



THE FUTURE IS AGILE

BEFORE

DOZENS OF UNITS

DOZENS OF AIRPORTS

**MANAGEMENT VIA
TRADITIONAL METHODS**

MANNED ATC

AFTER

THOUSANDS OF UNITS

HUNDREDS OF AIRFIELDS

**MANAGEMENT VIA
AUTOMATION**

AUTOMATED ATC

INVESTMENT: EASIER THAN ROADS

SMALL AIRFIELDS

(UN)PAVED RUNWAYS

REMOTE TOWERS

CENTRALIZED MANAGEMENT

LOCAL LABOR

AUTOMATION SIMPLIFIES

COLLABORATION REQUIRED

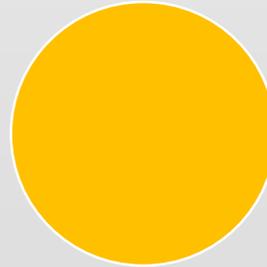
REGULATOR



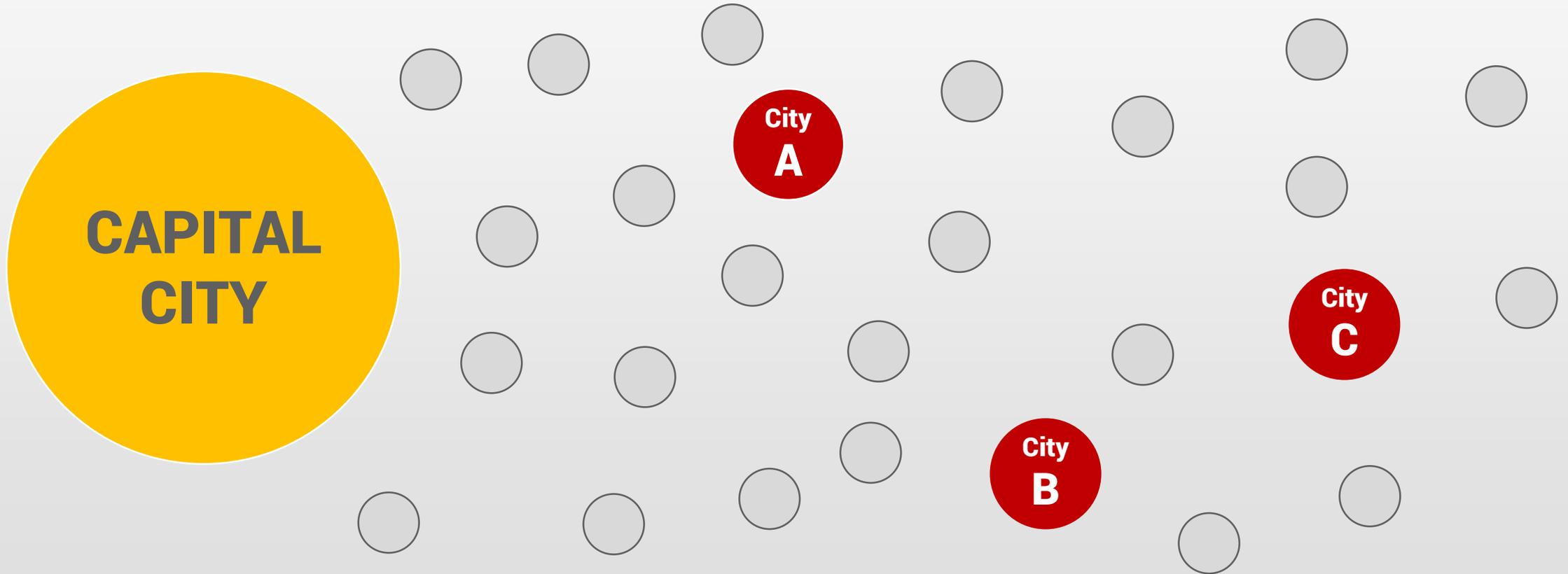
AIRLINE



**AIRPORT
MANAGEMENT CO.**



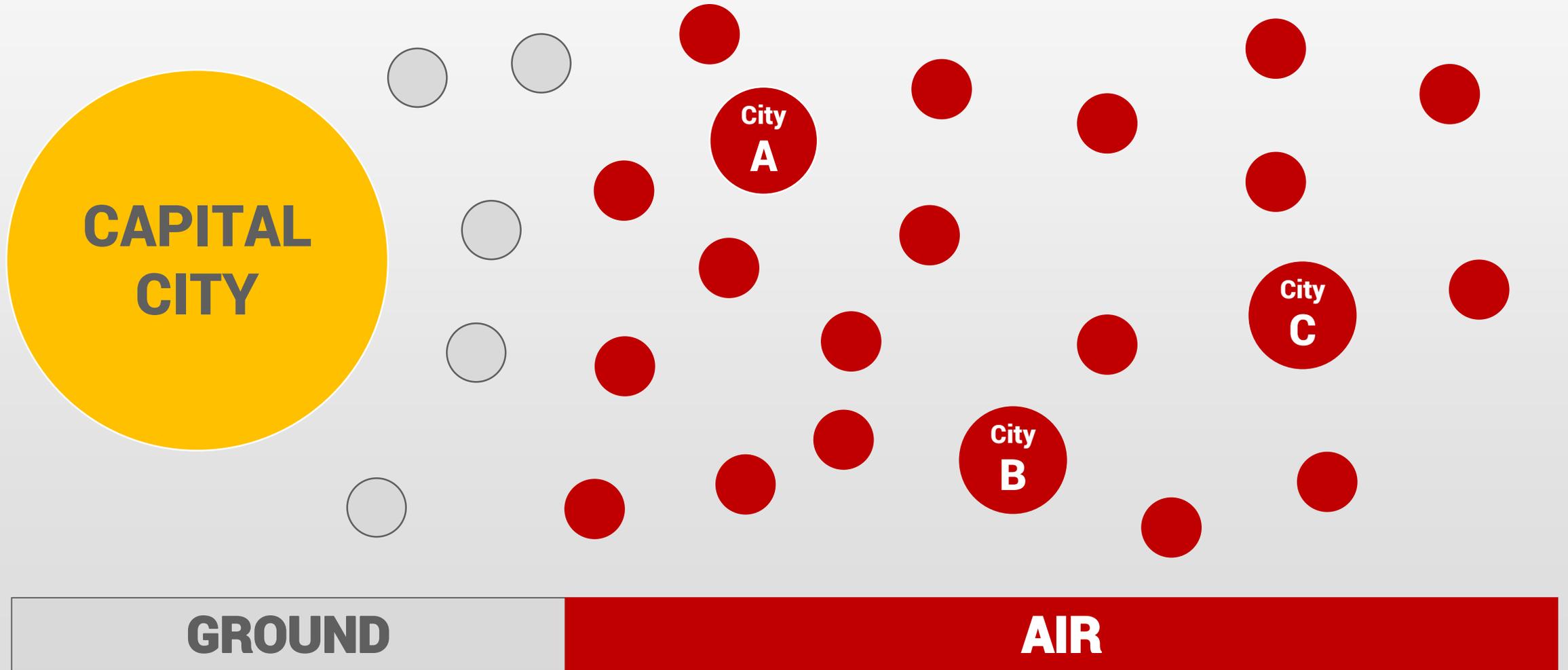
THE PRESENT = 1 TO 7 DAYS



GROUND (1-7 days)

AIR

THE FUTURE = SAME-DAY



THE FUTURE = SAME-DAY

FASTER TRADE

LESS SPOILAGE/INVENTORY

LESS INEQUALITY

MORE OPPORTUNITIES

MORE CONSUMPTION

CAPITAL
CITY

GROUND

FASTER GROWTH AIR

THE FUTURE = SAME-DAY

FASTER TRADE

LESS SPOILAGE/INVENTORY

CAN YOU AFFORD NOT TO INVEST IN
THAT?

MORE CONSUMPTION

GROUND

FASTER GROWTH AIR

cargo@dronamics.com

DELIVERING **TODAY**.COM



DRO*N***AMICS**