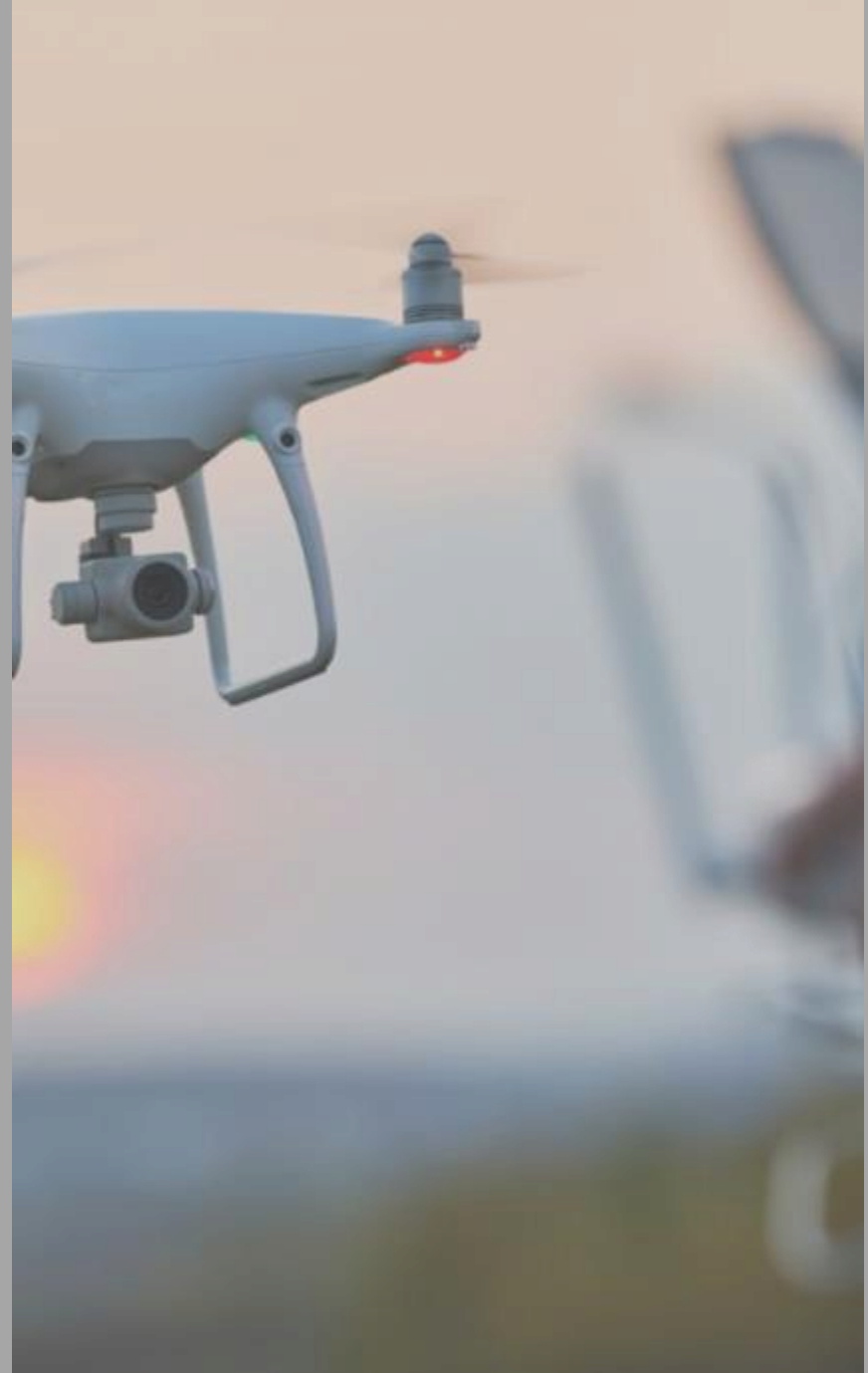




AUGUST 2020

# DRONEPORTS FOR OPERATORS

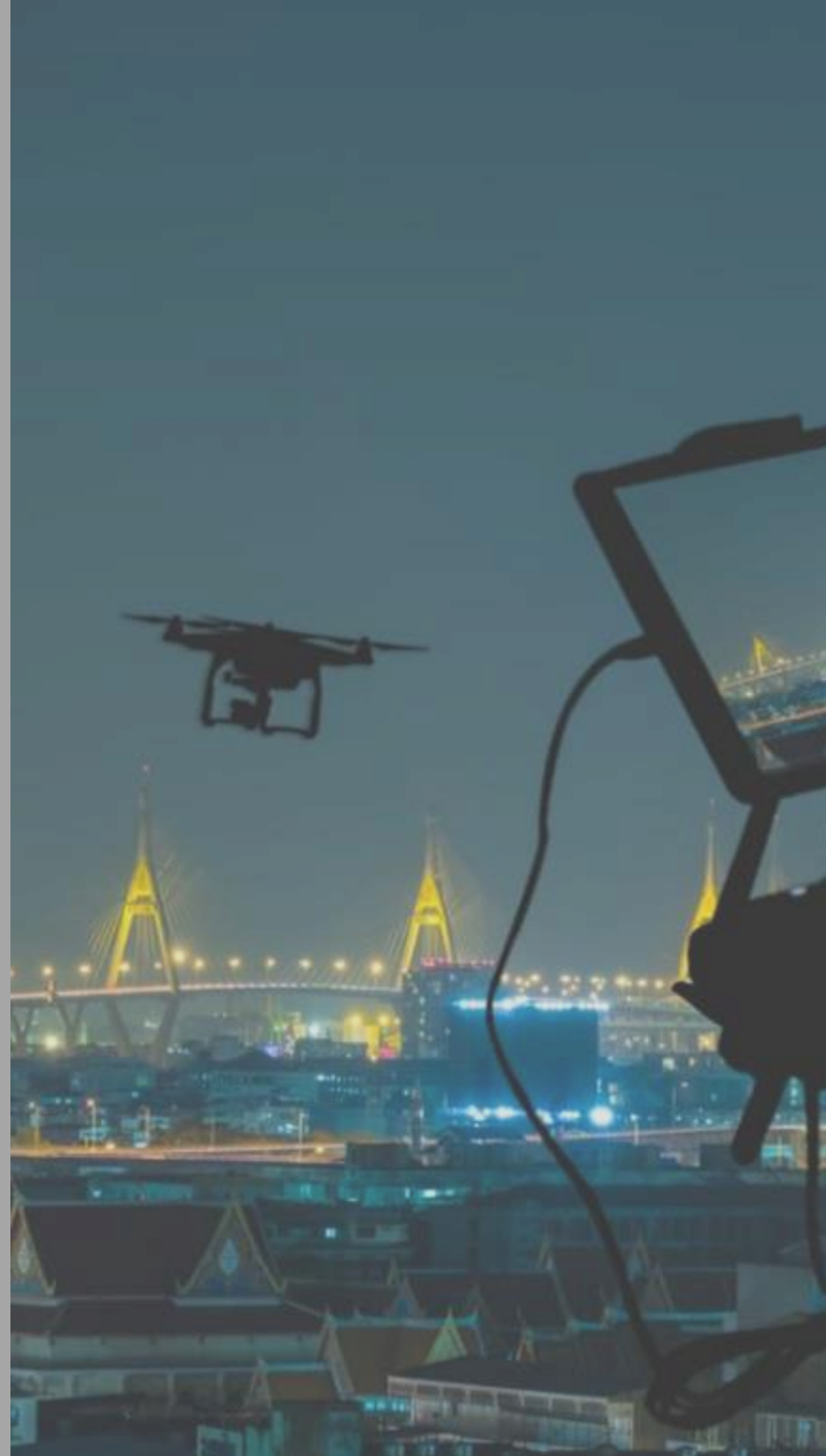
Presented by Bronwyn Morgan




# Presentation Overview

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- Market Size
- What Operators Need
- Why They Work
- Use Case Possibilities
- Benefits
- Evolution
- Partnerships





**"Drones overall will be more impactful than i think people realize, in positive ways to help society." - Bill Gates**

**"By the 2030s, “metro”-any-city-name may extend out in a 100-mile radius around our city centers. That will bring a profound change in global urban dynamics and social complexity."**  
**- John Smart, President of the Acceleration Studies Foundation**



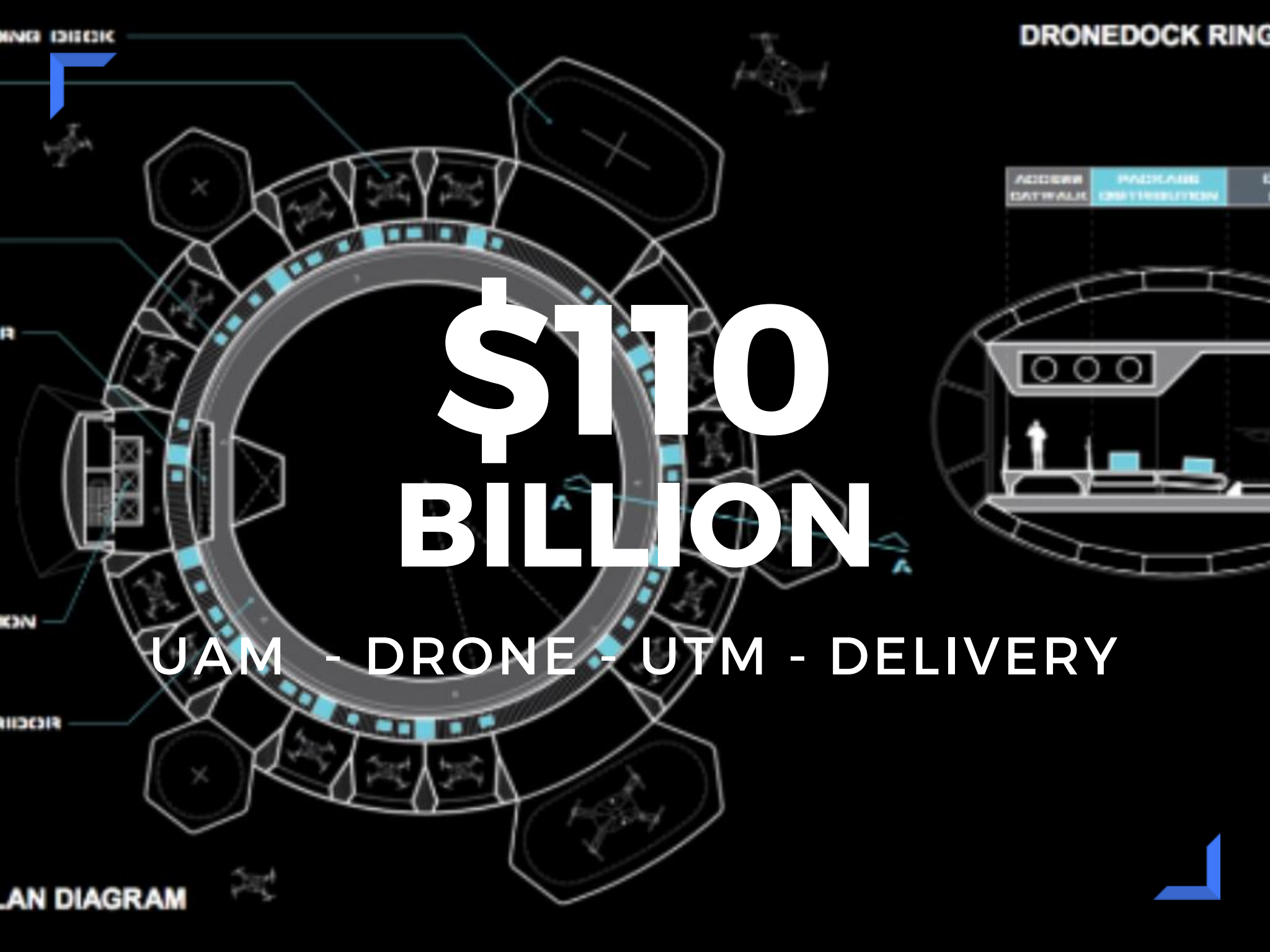
INNER DISK

DRONEDOCK RING

# \$110 BILLION

UAM - DRONE - UTM - DELIVERY

PLAN DIAGRAM





# ECONOMIC VALUE 2030

**UTM**  
**\$2.83B**

Global UAS  
management  
system market.

**LAST MILE**  
**\$92B**

Last mile delivery  
drones and ground  
delivery vehicles in  
logistics &  
transportation of  
retail & food.

**UAS**  
**\$199M**

Industries such as  
construction,  
agriculture and  
insurance in USA,

**UAM**  
**\$15.2B**

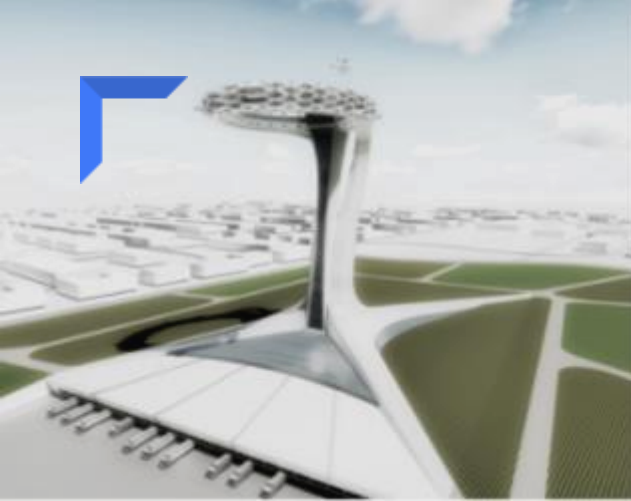
Urban Air Mobility  
market growth  
based on private  
sector and cargo  
use.

**Why?**

# **Economic Revival Innovation + Service**

A destination/depot and corresponding process that allows for longer distance drone operations for drones as a service.





# Destination

## MISSION

- collaborative infrastructure planning
- private sector and public sector
- provide safety, security, training and operational support for sUAS and UAM operations

## VISION

Private operators utilize the destination aerodromes for commercial flight operations, service, distribution for delivery,

## INFRASTRUCTURE

- solar powered
- strategically located
  - urban
  - suburban near industrial areas
  - rural in underserved areas near hospitals and main roadways

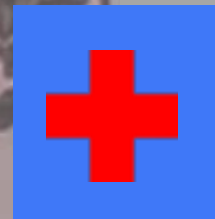
# Commercial Use Cases sUAS + Cargo

What to Expect

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Industry Operations  
Nesting Hub



Service + Maintenance



Remote Data Port



Delivery + Distribution





# Nesting + Service

## Nesting Hubs

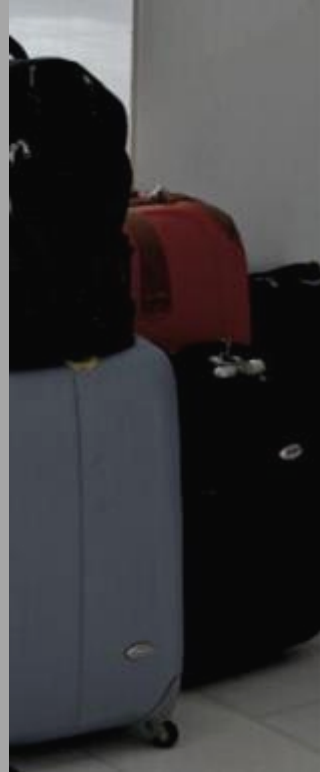
leased bays, revenue per usage -  
private or rental

- Residential
- Hospitals
- Commercial
- Standalone  
for
- inspection
- medical
- package delivery

## Service + Maintenance

- Preflight Check
- Storage
- Battery and fueling
- Repair

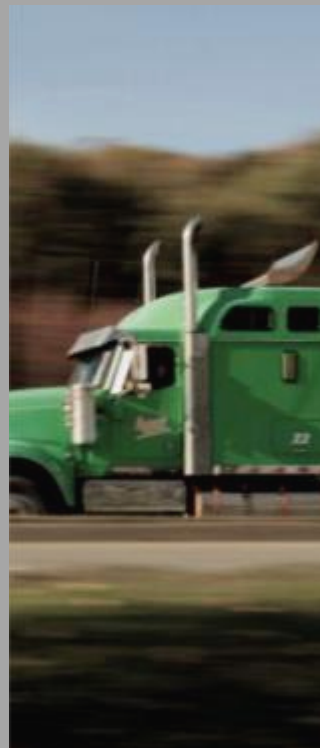




# Remote Data Port + Distribution

## Distribution + Delivery Hub

- Last mile
- Long Haul



## Data Port

- Wi-fi enabled
- Recharging center for autonomous and electric vehicles



# WHERE

## UNDERUTILIZED ASSETS URBAN - SUBURBAN - RURAL



### Defunct Malls

Abandoned or underused properties in strategic locations that also become innovation centers.



### Rooftops

Retrofitted and newly built residential, commercial, medical and mixed use structures.



### Empty Municipal Property

Large empty lots in urban, suburban and rural areas near main arteries that service strategic business, medical and residential hot spots.



### Opportunity Hub Zones

To ensure access for all, leverage O Hubs to galvanize all communities and offer startups and underserved communities jobs and access to locally based ports.



# Considerations

Aircraft - eVTOL, battery operated sUAS



Regulations - G Airspace, LAANC, UTM, FAA Authorization



Last Mile - Distribution, delivery, mobile lockers, mobile nests



Economic Model - company owned or leased, based on bay use



# Benefits

- revitalized real estate
- servicing undeserved communities
- community redevelopment
- job stimulation
- economic catalyst
- workforce transformation
- destination for regional/ local



- service extension
- maintenance center
- faster response times
- cost savings/revenue





# ROADMAP

## 0 - 1 YR

- Identify business model
- What is your regional value proposition
- Configure test venues
- FAA protocol
- Determine innovation strategy and incentives for partners
- Leverage IPPs
- Select companies and entrepreneurs like myself are ready to test

## 2-5 YRS

- Expand ports
- Attract new industry partners

# CONTACT

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