

# Overview of Alba Orbital, Capabilities, Platforms and Projects

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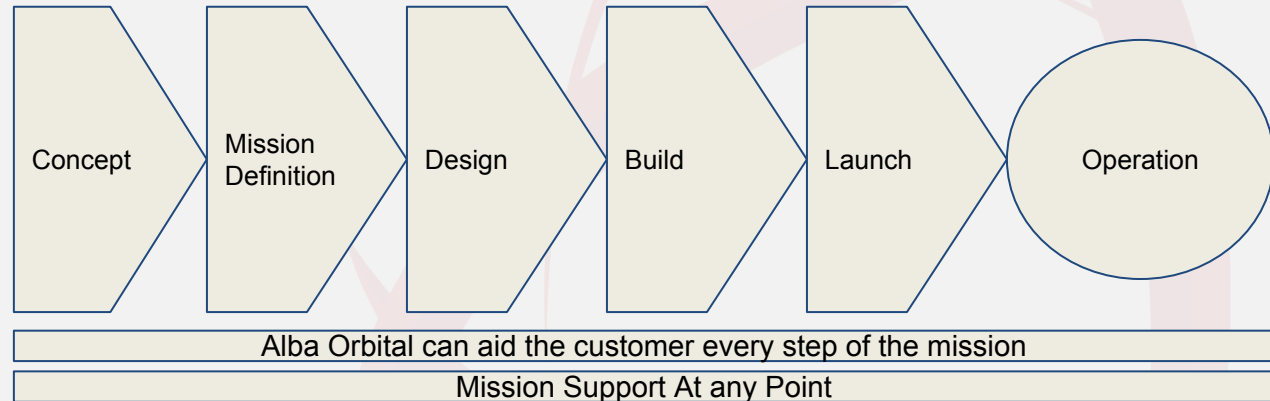
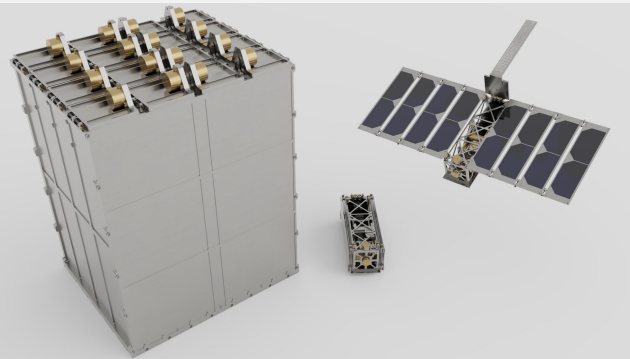
1st Asian PocketQube Workshop 2018

5/11/2018

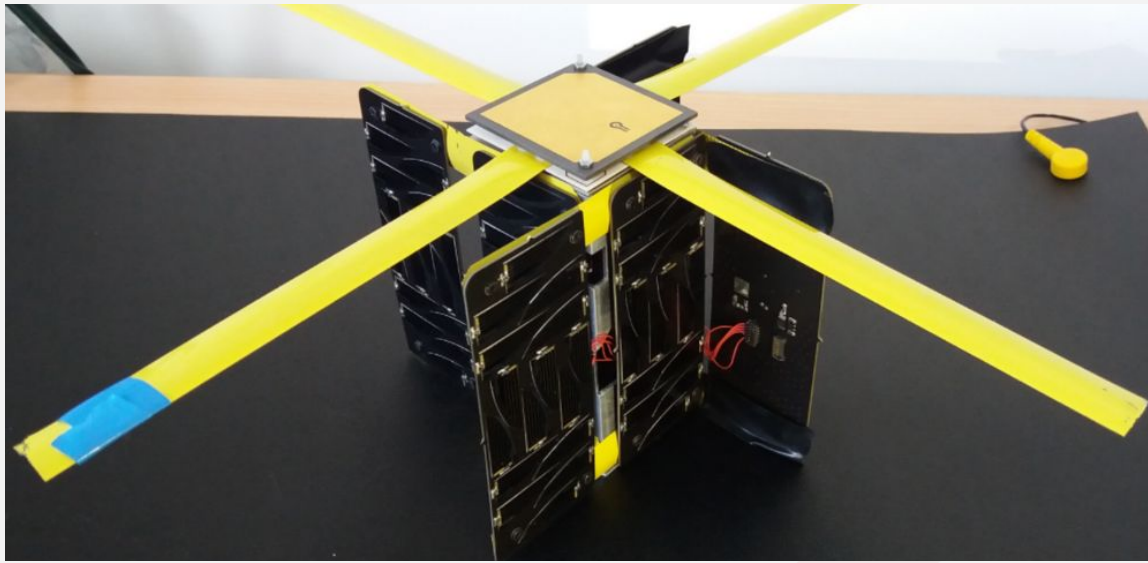


# Alba Orbital in PocketQubes

- Operating for 5 years, working up from parts to full platforms
- 15 FTE Staff
- First launch later in the year on Vector-R, along with DELFI-PQ
- Full Service Satellite Company Moving Towards Being a Data Company

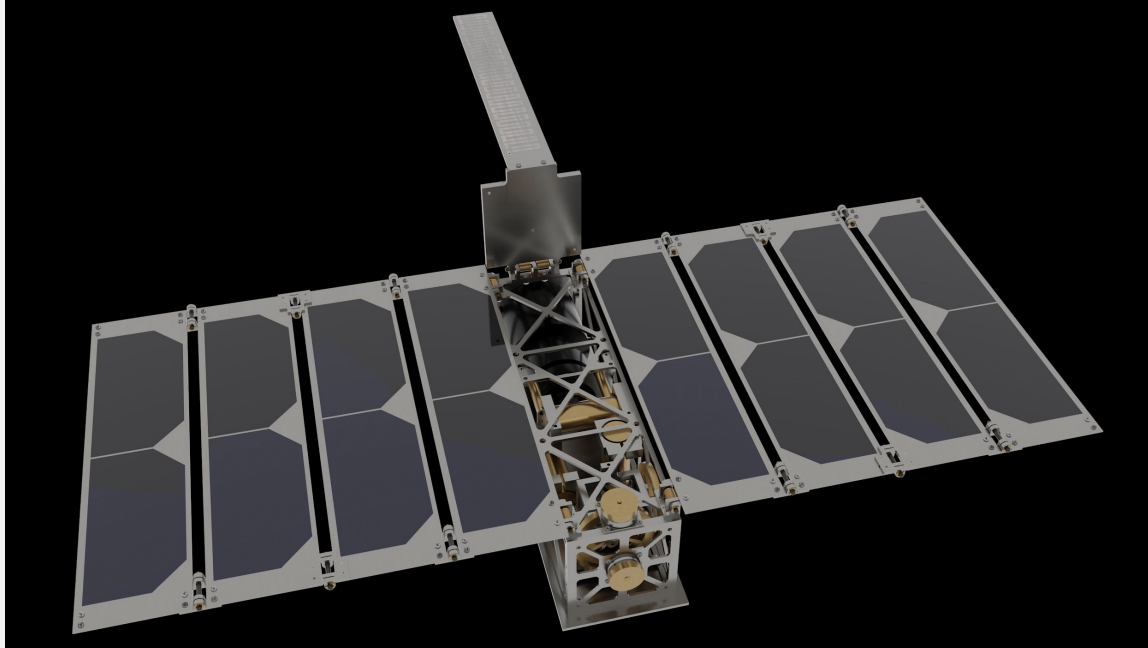






## Unicorn-1

- Alba Orbital's first satellite
- Ideal for first missions, student missions and testing in space (IOD)
- From €159k EUR



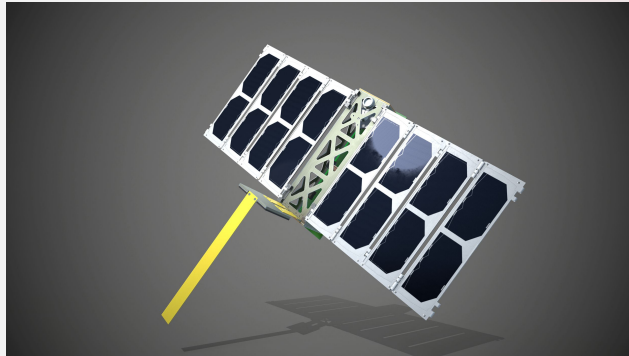
## Unicorn-2

- 20 Watts of Power (Matches a 3U CubeSat)
- Full service platform from concept to launch
- From €199k (with free launch until 31st of Dec)

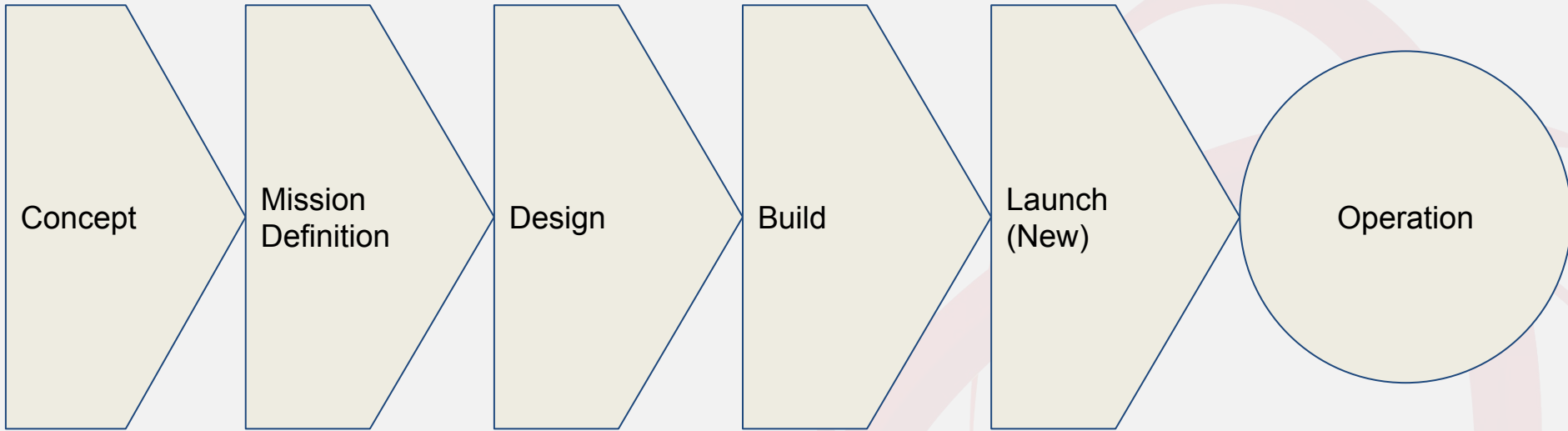


# Why Small?

- We Can, Mobile Phone Technology Allows Much Smaller Satellites
- Lowered Cost Means You Can Buy More, Allowing Bigger Constellations
- Reduced Cost Using Off-The Shelf Components



# Full Service PocketQubes



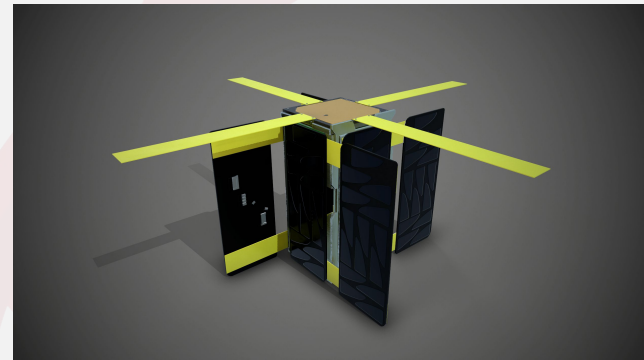
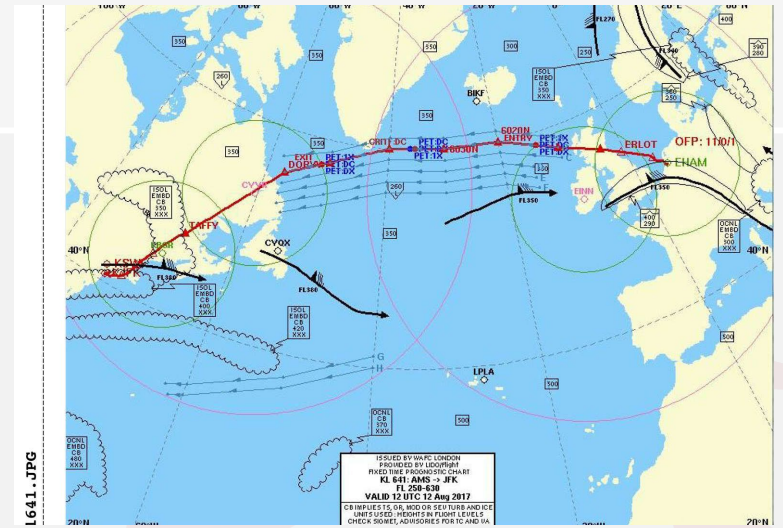
Alba Orbital can aid the customer every step of the mission

Mission Support At any Point



# Alba Orbital Applications Team

- Building PocketQube enabled services
  - Earth Observation
  - Remote Sensing
- Constellations
- Currently working on ADS-B ESA project
  - Alba-TROSS
    - Dynamic Route Mapping
    - Monitoring Carbon Emissions



# What can PocketQubes be used for?

- Animal Tracking
- Flood Monitoring
- Facilities Management
- Pipeline Monitoring
- Logistics Tracking
- Advertising
- CO2 Monitoring
- Meteorology
- Forest Management
- Infrastructure Management
- Healthcare in Remote Areas
- Smart Grid
- Technology Demonstration
- Imagery
- Supply Chain Management
- Connected Transportation
- Smart Home
- Smart Retail
- Agriculture
- Wearables
- Radiation Monitoring
- FinTech
- Fleet Management
- Smart Roads
- Pollution Levels in Sea
- Chemical Leak Detection in Rivers
- In-Orbit Testing



## Cluster - 1

- Powered by the 6p AlbaPod
- 2019, Vector R
- Full - Delfi-PQ and Unicorn-2a

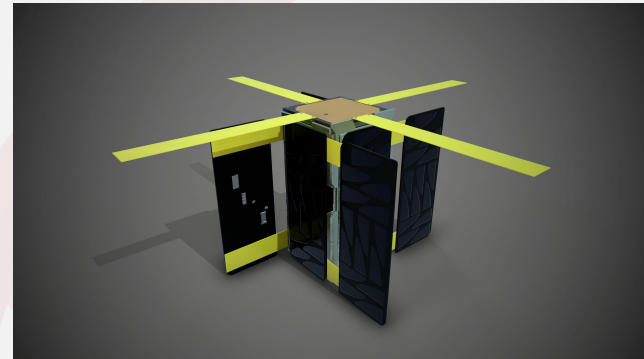
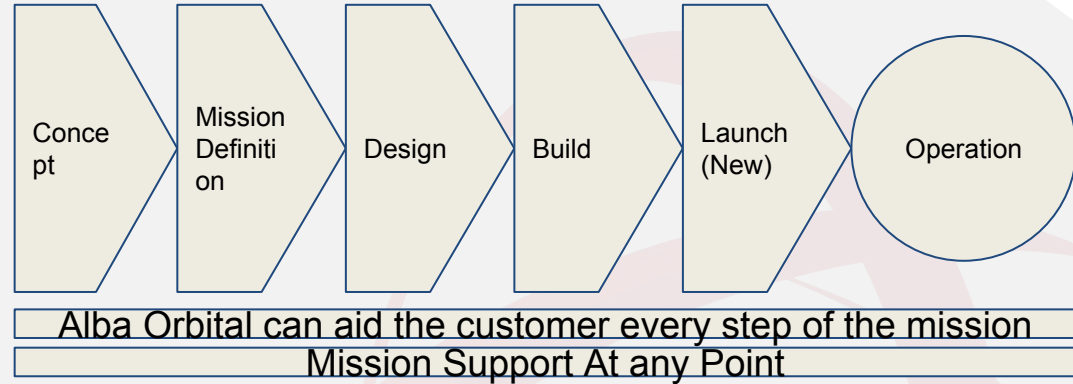


## Cluster-2 - Nearly sold out!

- Powered by the 6p AlbaPod
- Q2/3, 2019
- Target ~385KM SSO
- 1p - €25K, 2p - €40k, 3p - €60k
- 10% deposit and signed MOU to confirm slot

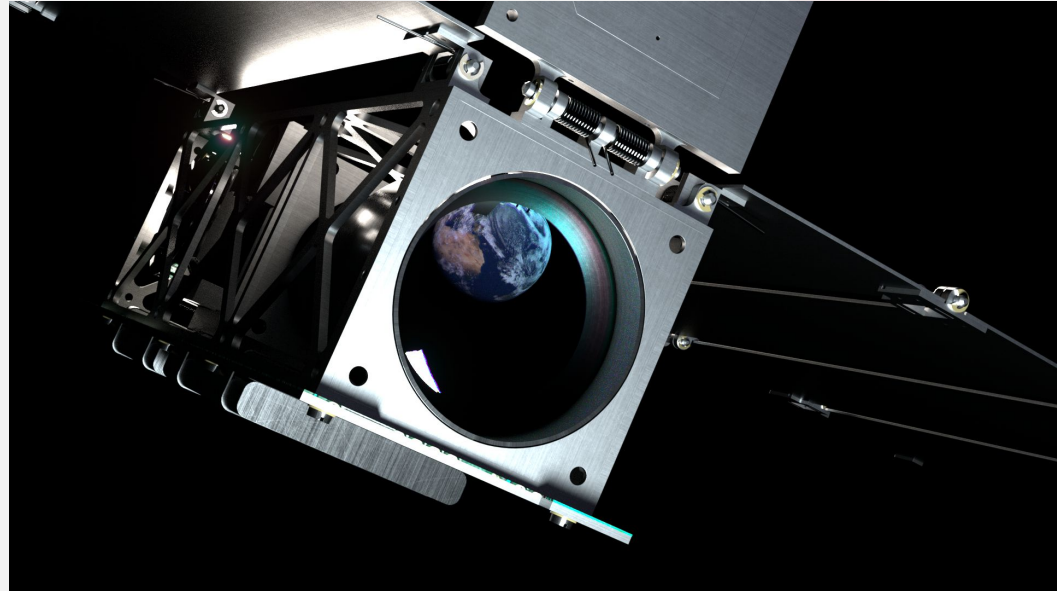
# Alba Orbital in the Community

- Platforms
- Launch
- Consultancy
- Components
- Advice



# Take Aways

- PocketQubes are great
- Lots of possibilities
- Many challenges
- You can be part of it





# Let's talk:

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