

Quantum Systems
Trinity F90+ (VTOL)

Experimentation
location on the
Monterey Bay



Quantum System

Trinity F90+ Sensor Carrying Platform

- Tilt-Rotor VTOL
- 90+ minute duration
- 5 kg Maximum Payload
- Proprietary Flight Programming (includes Terrain Following)
- PPK Ground Reference Station (increases image accuracy)
- ADS-B Air Traffic Monitoring + ADS-B Out (optional)
- Various Payloads Options

Payload Options and Easy To Swap Payloads

Mapping Missions, Marine Sciences, Ag, Etc.

- High Resolution Imagery
 - Sony UMC-R10C - 20.1 Megapixel RGB or 2.66cm resolution @ 100m altitude
 - Sony RX1R II - 42.4 Megapixel RGB or 1.29cm resolution @ 100m altitude
- MicaSense - NDVI Sensors
 - RedEdge-MX
 - Altum - NDVI + Thermal
 - Dual Camera System - RedEdge-MX + Blue or 10 Band
- Open Payload Bay (enables carrying unique sensors)
- Newly Announced - Lidar Sensor

Trinity F90+ Lidar

Trinity F90+

quantum
systems

QUBE 240

Geomatics Grade LiDAR



TECHNICAL DATA
QUBE 240



TECHNICAL DATA
TRINITY F90+ INCL. LiDAR QUBE 240

Monterey Bay Academy located in La Selva Beach, California



- CA66 Grass Airfield
- Office and Outdoor Experimentation Locations
- Direct Access to Pacific Ocean

Private & Restricted Grass Airstrip (CA66) Supporting Drone & Aviation Activities



Access to the Monterey Bay and BVLOS Missions



Collaborations Include

- **Monterey Bay DART** - Regional Non-Profit aligning industry, academia and government
- **Naval Postgraduate School, UC Santa Cruz, CalState University Monterey Bay**
- **NavalX Tech Bridge**
- **Naval Research Laboratory**
- **Compatible Start-ups and Existing Companies**

Questions?

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