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
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
Insight Up Solutions & AirSpace Integration

Chris Bley
bley@insightupsolutions.com
Cell: (831) 428-6655