



# DRONE ACADEMY

# WHAT DO WE PROVIDE

With considerable experience and expertise in the field of Drone & Aerial Solutions, We provide the optimum quality of the Drone Training Program. These programs are available for government agencies, enterprise clients, public safety departments, and individuals. Aerial Training seekers can avail of our simple yet all-inclusive training in India as well in America.

We are not finite to this, you can now privilege to avail the franchise of our Drone Training Institute.

## AMERICAN TRAINING

Offline/Online/Practical Training

The name of Sinclair University, Ohio, USA, is enough to create buzz among professional drone training seekers. With help of their expert trainers and Unmanned Aerial Systems (UAS) Training Program, they strive to propel you to greater peaks.

Let's discover your potential and soar through the sky with Sinclair's UAS Training Program!



AICLOUDS

*digitally humans*



SINCLAIR  
COLLEGE

COURSE NAME	COURSE DURATION (OFFLINE)	COURSE DURATION (ONLINE)
UAS FOR MEDIA LEADERSHIP	1 DAY	3 WEEKS
UAS FOR FIRST RESPONDER LEADERSHIP	1 DAY	3 WEEKS
INTRODUCTION TO UAS	1 DAY	3 WEEKS
UAS PRECISION AGRICULTURE	1 DAY	3 WEEKS
GEOSPATIAL INFORMATION FOR UAS	2 DAY	5 WEEKS
UAS AND THE LAW	1 DAY	3 WEEKS
CURRENT STATUS OF UAS STANDARDS & REGULATIONS	1 DAY	3 WEEKS
UAS CONCEPTS OF OPERATIONS	2 DAY	5 WEEKS
REMOTE PILOT CERTIFICATE TEST PREPARATION AND REFRESHER	2 DAY	-----

# COURSE FEES:

- 4 certificates 100 USD to 200 USD – 4 courses/certificates
- In the USA the course fees is 2500 USD to 4000 USD.

## INDIAN TRAINING

Sharpen your aerial skills and go beyond the sky by rein in meritorious Drone Pilot Training Program to fulfill your drone dreams. Bring in to light your potential, and let's enjoy the quest of drones together!



BHARATI DRONES



COURSE NAME	COURSE DURATION	COURSE DETAILS
MICRO CATEGORY MULTIROTOR DRONE PILOT COURSE	1-2 WEEKS	<ul style="list-style-type: none"><li>• DGCA REGULATIONS</li><li>• BASIC PRINCIPLES OF FLYING</li><li>• ASSEMBLY OF CUSTOM DRONES</li><li>• SIMULATOR &amp; FIELD FLYING</li></ul>
SMALL CATEGORY MULTIROTOR DRONE PILOT COURSE	1-2 WEEKS	<ul style="list-style-type: none"><li>• DGCA APPROVED COURSE</li><li>• CAN APPLY FOR UAOP</li><li>• DGCA REGULATIONS</li><li>• FIELD FLYING SESSIONS</li></ul>
MICRO CATEGORY FIXEDWING DRONE PILOT COURSE	1-2 WEEKS	<ul style="list-style-type: none"><li>• FIXED-WING AERODYNAMICS</li><li>• FLIGHT SIMULATOR SESSIONS</li><li>• VLOS OPERATIONS</li><li>• FIELD FLYING SESSIONS</li></ul>
MULTIROTOR DRONE ENGINEERING COURSE	1-2 WEEKS	<ul style="list-style-type: none"><li>• DRONE TERMINOLOGY AND TYPES</li><li>• ASSEMBLY OF A MULTIROTOR</li><li>• INTRODUCTION TO GROUND CONTROL STATION</li><li>• USE OF ARTIFICIAL INTELLIGENCE IN DRONES</li></ul>
ADVANCED CERTIFICATION IN 3D MAPPING AND SURVEYING	1-2 WEEKS	<ul style="list-style-type: none"><li>• ABOUT 3D MAPPING SOFTWARES</li><li>• CAPTURE IMAGES USING SOFTWARE</li><li>• LAYERS OF A 3D MAPPING</li><li>• CREATING GCPS</li></ul>

COURSE NAME	COURSE DURATION	COURSE DETAILS
ADVANCED CERTIFICATION IN DRONE CRASH INVESTIGATION	1-2 WEEKS	<ul style="list-style-type: none"> <li>• INTRODUCTION TO DRONE CRASH INVESTIGATION</li> <li>• DUTIES OF CRASH SITE GUARD</li> <li>• DRONE PILOT QUALIFICATIONS/PROFICIENCY</li> <li>• TELEMETRY LOGS (GROUND STATION)</li> <li>• INTRODUCTION TO AIR DATA</li> </ul>

## COURSE FEES

- Course fee for all the certificates is around 35k - 60k.

## DRONE TRAINING FRANCHISE

Do you desiderate to start a drone business by buying a franchise? If YES, here is the best profitable drone franchise opportunity.


### ELIGIBILITY TO BECOME A FRANCHISE

- 3 to 10 acres of land
- 3 drones
- 2 pilots for drone training
- Simulator
- Franchise Business Costs approx 60-70 lakhs.
- Well-versed infrastructure with all technically essential amenities like computers, classrooms, etc.

### BENEFITS OF BECOMING FRANCHISE

- Get a supply of all high-end drones
- We will provide complete training material.
- We can help you to get highly skilled and expert pilots.
- We facilitate all the approvals required for aerial training.

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 +91-9654-006-789

 +91-8977-933-321



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<https://dronewatchman.com>  
<https://bharatidrones.com>

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**NAL - Multi-Copter Drones**  
**Bonv – logistics 50kgs Evtols**  
**AICLOUDS –QUADRIROBOT- AV/Ev's**

**“DroneBNB™®”**  
**“ Drones are my pets™® “**  
**“ AICLOUDS DRONE AS SERVICE “**  
**“AV/EV as Services/solutions”**

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## (i) CSIR-NAL- AICLOUDS AERO- Quad-4

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- Dimensions
  - Transportable - Ø338 mm x 433 mm
  - Ready to Fly - Ø708 mm x 400 mm
- Weight
  - Empty Weight - 1.6 kg-f
  - Battery Weight - 1.3 kg-f
  - Payload Capacity - 1.0 kg-f
  - Max. Take-off Weight - 4 kg-f
- Hovering Endurance
  - No Payload - 60 min
  - 0.7 kg-f Payload - 40 min
  - 1 kg-f Payload - 30 min
- Operation - Fully Autonomous
- Flying Speed
  - Operational Speed - up to 10m/s
  - Max. Speed - 10 m/s
- Max. Range of Operation - 10 km
- Max. Rate of Climb - 3 m/s
- Max. Rate of Decent - 2 m/s
- Altitude
  - Operational Altitude - up to 500 m AGL
  - Max. Launch Altitude - 3000 m AMSL
- Operating Temperature - 0 - 55 °C
- Structure - Carbon Fiber Frame
- Propulsion - 380 W Motor + 16' Foldable Propeller
- Battery - Lithium Polymer – 11Ah 22.2V
- Payload
  - EO and/or IR Camera
  - Multispectral Camera



## (ii) CSIR-NAL- AICLOUDS AERO Hex-15

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- Dimensions
  - Transportable - 1000 mm x 930 mm x 440 mm
  - Ready to Fly - Ø1465 mm x 500 mm
- Weight
  - Empty Weight - 6 kg-f
  - Battery Weight - 4 kg-f
  - Payload Capacity - 5 kg-f
  - Max. Take-off Weight - 15 kg-f
- Hovering Endurance
  - No Payload - 40 min
  - 5 kg-f Payload - 25 min
- Operation - Fully Autonomous
- Flying Speed
  - Operational Speed - up to 10 m/s
  - Max. Speed - 10 m/s
- Max. Range of Operation - 10 km
- Max. Rate of Climb - 3 m/s
- Max. Rate of Decent - 2 m/s
- Altitude
  - Operational Altitude - up to 500 m AGL
  - Max. Launch Altitude - 2000 m AMSL
- Operating Temperature - 0 – 55 °C
- Structure - Carbon Fiber Frame
- Propulsion - 750 W Motor + 24' Foldable Propeller
- Battery - Lithium Polymer – 16Ah 48V
- Payload - up to 5kg
- Underslung Magnetometer



### (iii) CSIR-NAL – AICLOUDS AERO Dual Hexa

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- Dimensions
  - Transportable - 970 mm x 770 mm x 1160 mm
  - Ready to Fly - Ø2500 mm x 650 mm
- Weight
  - Empty Weight - 14 kg-f
  - Battery Weight - 16 kg-f
  - Payload Capacity - 5 kg-f
  - Max. Take-off Weight - 35 kg-f
- Hovering Endurance
  - No Payload - over 60 min
  - 5 kg-f Payload - 40 min
- Operation - Fully Autonomous
- Flying Speed
  - Operational Speed - up to 15 m/s
  - Max. Speed - 15 m/s
- Max. Range of Operation - 10 km
- Max. Rate of Climb - 3 m/s
- Max. Rate of Decent - 2 m/s
- Altitude
  - Operational Altitude - up to 500 m AGL
  - Max. Launch Altitude - 3000 m AMSL
- Operating Temperature - 0 to 55 °C
- Structure - Carbon Fiber Frame
- Propulsion - 1.5 kW Motor + 28" Foldable Propeller
- Battery - Lithium Polymer – 60Ah 48V
- Payload - Up to 5 kg
- Under slung Magnetometer





## (iv) CSIR-NAL- AICLOUDS AERO Oct-60

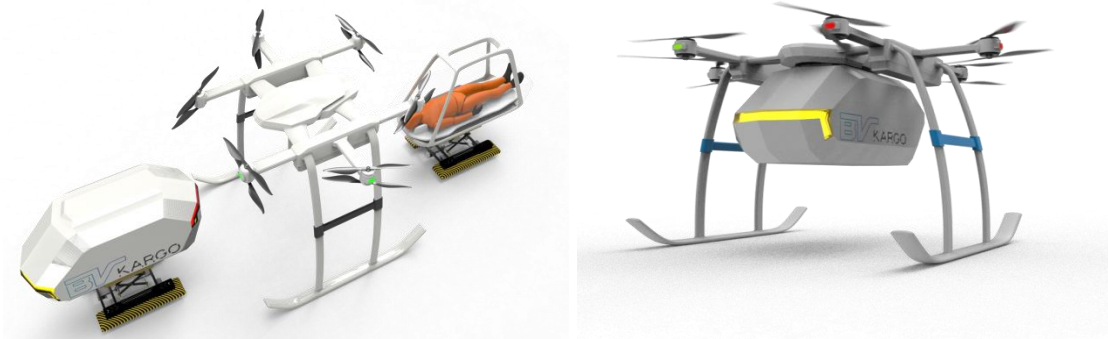
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- Dimensions
  - Transportable - 1250 mm x 950 mm x 1475 mm
  - Ready to Fly - Ø2267 mm x 730 mm
- Weight
  - Empty Weight - 20 kg-f
  - Battery Weight - 16 kg-f
  - Payload Capacity - 20 kg-f
  - Max. Take-off Weight - 56 kg-f
- Hovering Endurance
  - No Payload - 38 min
  - 5 kg-f Payload - 33 min
  - 10 kg-f Payload - 28 min
  - 20 kg-f Payload - 20 min
- Operation - Fully Autonomous
- Flying Speed
  - Operational Speed - up to 14 m/s
  - Max. Speed - 15 m/s
- Max. Range of Operation - 20 km
- Max. Rate of Climb - 3 m/s
- Max. Rate of Decent - 2 m/s
- Altitude
  - Operational Altitude - up to 500 m AGL
  - Max. Launch Altitude - 3000 m AMSL
- Operating Temperature - 0 to 55 °C
- Structure - Carbon Fiber Frame
- Propulsion - 3.6 kW Motor + 30' Foldable Propeller
- Battery - Lithium Polymer – 60Ah 48V
- Payload
  - Medical Box or Vaccine Box
  - Hyperspectral Camera
  - EO and/or IR Camera
  - Fertilizer Tank Volume - 18 L, No. of Nozzles – 3, Max Flow Rate- 1.5 lt/min



## Drone as service – logistics – humanitarian Evtols

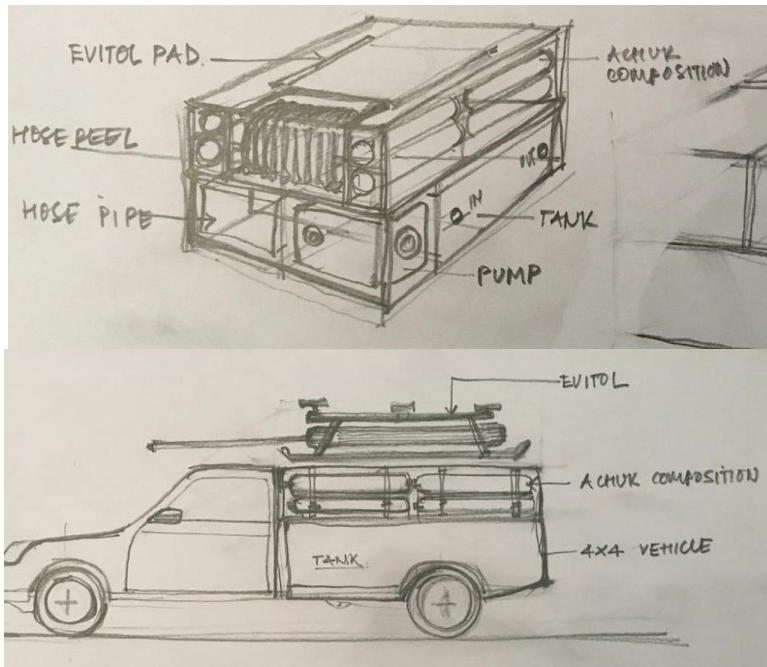
- **Configuration: Multi rotor E-VTOL**
- **MTOW (maximum takeoff weight): 250kg ( 50 kgs Tested)**
- **Range plus Reserve: 50 Mins**
- **Typical Mission Range: 20km**
- **Service ceiling: 350 meters AGL**
- **Absolute Ceiling: 5500 meters AMSL**
- **Audibility: maximum 62 db. at 150 meters**
- **Cheapest Green / Eco logistics platform in world .**
- **Current Prototype Design of “Pelican” built on RM001 platform with capability to lift 50 KG Cargo over 20 KM focused for Himalayan Region Cargo Transportation.**



**50kgs to 350 kgs payloads Depending upon needs**



**Highest Safety & Redundancy**  
**Sufficient Range & Payload**  
**World's Smallest Avionics Footprint**  
**Best Operational Efficiency Fuel Cell Powered**  
**Fire Fighting – Evtol-pods**



# Aiclouds –Quadribot



## One R box multiple solutions



## Ground Autonomous Mobile robots



### CARGOBOX

Associated with SCARGO, CargoBox makes unmanned last-mile delivery possible. This smart container could be loaded or unloaded without any human intervention.

 Modular to facilitate different cargo type  
Code protected  
Automatic Loading /Unloading from / to various platforms

 Online ordering & scheduling  
Easy tracking  
Enhanced efficiency



### SCARGO

An autonomous versatile smart mobile platform

 Battery 48V	 Euro-box compatible	 Max Speed 16 kph	 Max Load 220 kg	 Slope 10%
 Motor 1.5 kW	 Capacity 2 kWh	 Temp -20 .....+50°C	 Protection IP 51/55	 Wheel Size 26cm



QUADRIBOT

**10kgs to 1000 kgs platforms**

**Sectors -Logistics, Ware houses, Airports ,Post offices, Malls, Remote areas, cargos etc**

# Full solutions



**VEHICLE CONTROL UNITS**  
Integrated High Performance computer & system for Smart & Autonomous Mobility



**POWER SYSTEMS**  
POWER OPTIMISATION



**EMBEDDED SOFTWARE**



**CONNECTED SENSORS**



**SMART ACTUATORS**



## Our experience in smart mobility

RBox / 2021



**Embedded software**



**Transport Solutions**



**Robotic applications**



**Electronics**

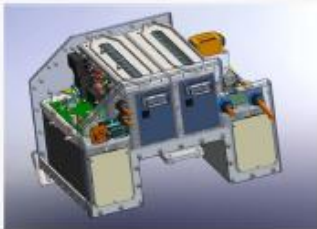
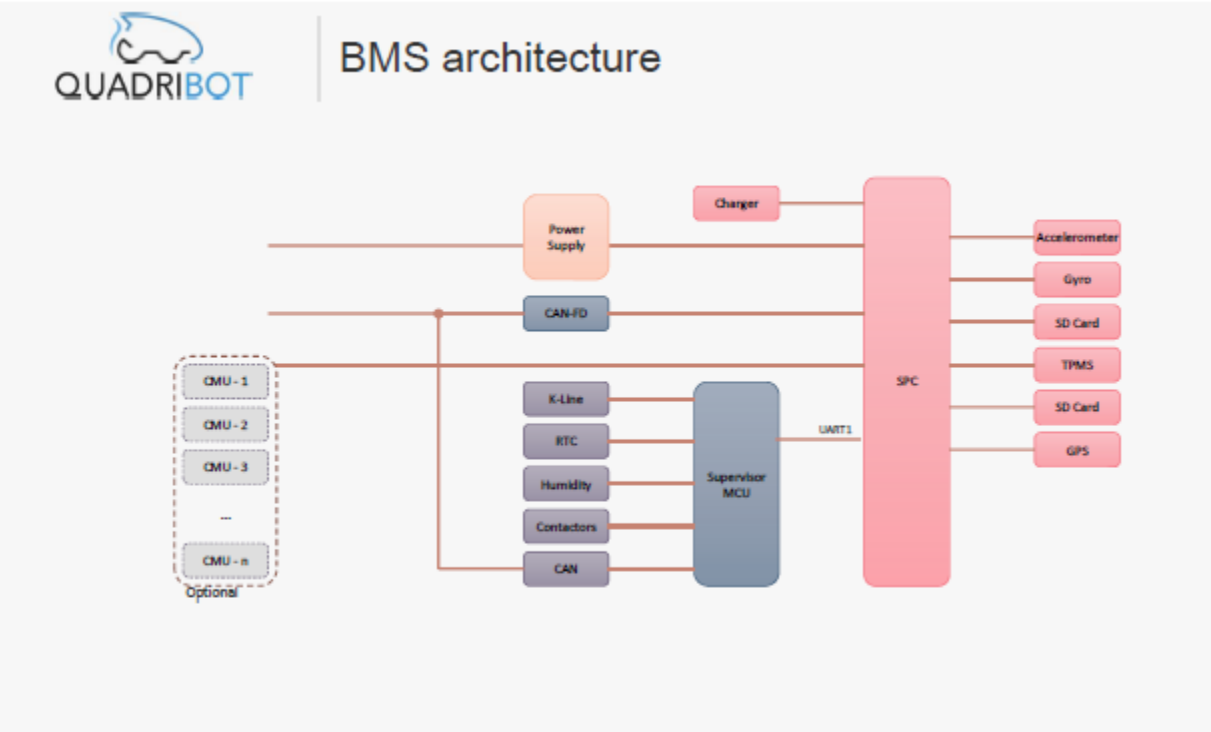


**System architecture**



**Autonomous vehicles**

# Battery management systems for Drones, Evtols, Ev / Av's etc



**For Business partner ships / OEM / Sales/  
customized solutions -connect us at**

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