



Aerial Robots in a flight arena

Several models of flying robots, as quadrotors and hexarotors aerial robots, in a delimited flight arena of 6mx4mx5m (l,w,h) enclosed by a protective net. The ground is covered by protective mattresses. The arena is equipped with a motion capture system.

Key Features

- ground covered by protective mattresses
- 6m length × 4m width × 5m height flying secure area enclosed by a protective net
- 9 infrared cameras for motion tracking

Possible Applications

- Aerial Manipulation
- Monitoring and mapping
- Aerial transportation
- Multi-robot planning and control
- Aerial Inspection



Access information

Corresponding infrastructure	Centre national de la recherche scientifique The Department of Robotics of LAAS
Location	7 Avenue du Colonel Roche, 31400 Toulouse, France
Unit of access	Working day

Technical specifications

Hexa-rotors	Number: 2, Mass: 2 Kg ,Diameter: 115cm, Fully Actuated
Quad-rotors	Number: 4, Mass: 1.3 Kg, Diameter: 75cm

Additional information

<https://www.laas.fr/public/en/robots-platform>