



## 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



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## Access information

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

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## Technical specifications

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|--------------------|--|
| <b>Hexa-rotors</b> | Number: 2, Mass: 2 Kg ,Diameter: 115cm, Fully Actuated |
| <b>Quad-rotors</b> | Number: 4, Mass: 1.3 Kg, Diameter: 75cm                |

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## Additional information

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