



Autonomous Operation for:

- Maintenance
- Delivery
- Inspection
- Surveillance
- Continuous Monitoring



The **Operational Control Center** is developed to perform Safe Autonomous Operations with Robotic Systems. The related Dashboard allow to conduct operation and manage the mission object.

Dashboard



Technical Specs:

Software	Server: Rafla Java Spring Server Client: Rafla Qt GUI with WEB API Package
Performance	Support up to 100 connections (Pilots + Robots + Users)
Power	Server(local): Up to 3 KW Client: Up to 1000 W
Database	SQL
Compatible	Support All Rafla Robots

Remarkable features:

- Over AWS Service or local sever
- API to integrate Web and Other Services
- Air Traffic Information over the flight area
- Weather Information over the flight area
- Fleet Management
- Custom Mavlink Protocol
- Authentication and Multi-User
- Compatible with multiple Robot System
- AI Algorithms & Predictive Maintenance



Safety Features

- VPN connection
- Encrypted Communication
- Fail-safe and Emergency procedure
- ERP compatible

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Dashboard

Advanced Solution to enable Autonomous Operations

Flight Control GUI

- Pre-Flight checks
- Pilot login
- Mission Planning
- Hangar monitoring system
- Alarm & Warning
- Local Weather Condition
- Compatible with Linux and Android Systems
- Automatic Report

Server(local)

- Ubuntu Server
- 1 Rack Unit
- 32 Gb Ram
- Gigabit connectivity
- Intel Xeon CPU

Client-Control Room

- Ubuntu LTS
- Up to 3 screens
- 32 GB RAM
- Gigabit connectivity
- CPU intel i5 13th

