



# **INTRODUCTION DOCUMENT DRONE AND FIXED WING SYSTEMS**

# Fields of use for Unmanned Aerial Vehicles – UAV's



- Defense Industry Drones
- Civil Sector Drones
- Agricultural Spraying Drones
- Forestry Drones

# PRODUCT 1: DRONES



► Payload : 8 kg - 40 kg

Flight Duration : 10 -40 minutes

Range : 4km – 12 km

Speed: 80 km/h-140 km/h

High speed and high maneuver capacity

► There are various types designed for special purposes, various accessories which can be attached to drones, including;

- cameras
- trigger system with 3-axis gimbal, may be used with any type of weapon in your stock
- other type of military equipment (tear gas etc)
- Fire fighting equipment

**Control Modules with special software operating with AI**

## PRODUCT 2: FIXED WING DRONE



➤ Payload : 5 kg

Flight Duration : 150 minutes

Range : 20km – 100 km

➤ Combination of fixed wing and drone.

**Main characteristic: Vertical Take-Off and Landing (VTOL)**

➤ **Built for long-duration flights i.e. border surveillance purposes**  
The main accessory is; cameras.

➤ **Special software for facial recognition, plate recognition or any pre-defined item recognition.**

# PRODUCT 3: CARGO DRONES



- ▶ Payload : 30-60 kg
- Flight Duration : 40-60 minutes
- Range : 30km – 50 km

Able to carry day and night operations in rainy and dusty environments to haul any civil or military material.

# PRODUCT 4: AGRICULTURE SPRAYING DRONES



- **Carries 30-40 lt liquid and sprays to desired area.**  
Non brush motors, powerful and long-life spraying pumps.  
Easy to carry; foldable, modular design, quick set up structure, easy to maintain, and low maintenance cost.
- **speed is 40 times of the traditional sprayers. saves 70% of water and 30%-40% pesticide.**  
the pesticide is more well-distributed and improved the effect at field
- **Two different modes with special software**

Mode 1: Automatic route planning for irregular topography.

Mode 2: Operator sets A and B points and give the direction order then the drone will follow the route and spray automatically.