The 3D terrain modeling for the oil resource exploration, and other solutions.

Payload system according to the special needs of customers, providing a complete solution with warranty and product system and payload equipment. Our in-house engineering labs can integrate the vehicle customization and sensing, artificial intelligence, spatial informatics, and other technological mid-stream (operational services) and downstream (data processing and analysis services).

3D digital terrain mapping from aerial photogrammetry provides frontline commanders with better decision-making intelligence for disaster response. Utilizing the high maneuverability and flexibility of unmanned aerial vehicles (UAVs) to preemptively send them to high-risk areas, the artificial intelligence can be used for disaster prevention. In the western Pacific Ocean, the island faces frequent threat of typhoons and earthquakes. Situated in the tectonic plates and between subtropical and temperate climate belts, the island needs a robust and adaptable aerial surveillance and inspection system.

The ALPAS II UAV is equipped with state-of-the-art flight control computer and dual "laser/mmW radar" sensors, which can be used in environmental monitoring, land management, homeland security, resource deployment, and safety applications. The ALPAS II produces excellent atomization effects in agriculture, equipped with central tank and electrical pump allowing for 25 minutes flight time with high efficient battery management system.

A small team of professionals can work with a Sky Arrow series UAS equipped with high performance engines, offering high performance in maneuverability, long endurance, high airspeed, and long range. The Sky Arrow series UAS is a professional fixed-wing multi-role UAS equipped with high accuracy flight control computer (FCC) and tactical AHRS, enabling fully auto-piloted operation beyond the visual line of sight (BVLOS). The Sky Arrow series adopts modular design to serve diverse applications, including disaster response, recovery, surveillance, security patrol, and precision agriculture.

The Light Weight Fixed-Wing UAV “Pterosaur” is designed for light weight fixed-wing flight with up to 30 minutes airborne to keep continuous transmission of real-time information to the ground control station. Operator can control the Pterosaur to fly intuitively over the area, automatically plan the route, take off and land automatically. Removal of the wings, for easy packaging, small size for portable carrying box. Pterosaur UAV can be transported by area by parachute. Pterosaur UAV can land in designated area by parachute.

Sky Hawk, a Security Patrol/Monitoring UAV, offers good eyesight and wind resistance with better serviceability. Appropriate size for loading/shipping, Beaufort wind class IV. Up to 30 minutes airborne to keep continuous monitoring, long endurance. Detecting air pollution and water pollution, alerting early warning events. It also has a security patrol and monitoring role, providing video transmission and control.