

Structure selection and design o Light materials: Lightweight and strong materials should be chosen at the same time such as carbon or aluminum. ?Electronic Devices ?o Sensors: Installation of multiple sensors such as thermal imaging cameras, humidity and temperature sensors, to be used in monitoring agricultural crops. ?Programming and smart system ?o Programming: Developing software that manages the aircraft's path, where the aircraft receives commands from a ground controller or autonomous control unit using artificial intelligence (AI) to improve efficiency. ?Testing and improvement ?o Testing: After the assembly of the drone, the system is tested in an environment similar to agriculture to test the effectiveness of solar energy in operating the drones for long periods.