



Innovative manufacturing
& solutions ...

With a commitment to operational excellence and ethical leadership, DRONEX continues to expand its reach locally and globally, contributing to the Kingdom's Vision 2030.

We align our growth strategies with the Vision's pillars by focusing on sustainable expansion, sectoral diversification, and the advancement of national capabilities. Through this alignment, we ensure that every initiative we undertake contributes meaningfully to the Kingdom's ambitious transformation journey.

Registered in:



United Arab Emirates



الهيئة العامة للطيران المدني
GENERAL CIVIL AVIATION AUTHORITY



الهيئة العامة للطيران المدني
General Authority of Civil Aviation



Awarded with :



PRODUCTS & SERVICES ...

- 1- Fire Fighting & Resque Drones solutions
- 2- Cutting ede Cleaning drone technology
- 3- Hydro seeding & agriculture drone solutions
- 4- pesticide fogging Drones





Fire Fighting & Resque solutions

DCAFS SYSTEM

is the world first drone that haat 200 meters height
with 12 hours continues flying



Features:

- 120 Meter Hose , Max Payload (Dual Batteries);
- 170 Meter Hose Max payload (Single Battery)
- 16 km Flight Distance with Full Payload
- 6,000 m Max Flight Altitude (with fire Bomp attached)
- IP55 Protection and Corrosion Resistance
- 2500 m Video Transmission with O3
- Integrated with Dual Batteries and Parachute



DCAFS 101 - Fire Fighter Drone

Intelligent Obstacle Sensing

DCAFS equipped with Front and Rear Phased Array Radars and a dual Binocular Vision system to achieve Intelligent Multidirectional Obstacle Sensing. A built-in ADS-B signal receiver detects and warns of nearby crewed aircraft.

Multi-Level Redundancy

DCAFS is designed with high redundancy to guarantee flight safety even in harsh environments.

Smooth Effortless Control

The RC Plus has a 7-inch high-bright screen and supports Dual Operator mode. This mode allows two operators to conveniently transfer control permissions to meet diverse operation requirements. It can be used even in Harsh Environments as it is built with IP54 protection and operates in extreme conditions -20° to 50° C (-4° to 122° F).





****Custom Drone Designs Tailored to Your Unique Needs****

At 360 Code Unmanned uav, we understand that every mission requires a drone uniquely designed to meet its specific needs. We offer custom drone design services, allowing for modifications to the body or exterior color to align with your organization's branding or specific operational requirements.

We pay close attention to every detail to ensure that your drone is not only durable and efficient but also reflects the identity of the organization using it. We can provide exterior finishes that meet required standards, whether related to colors or materials.

Additionally, we offer the option to add a variety of custom features, such as loudspeakers, laser spotlights, tracking radars, and autonomous flight systems for law enforcement use, as well as multi-colored flash lighting that aligns with your organization's branding or fulfills specific objectives. Whether you need a drone for firefighting, aerial photography, or any other application, we can design the perfect drone to meet all your needs.

With 360 Code Unmanned uav, you can trust that you'll receive a one-of-a-kind drone, custom-built to match your requirements with the highest standards of quality and precision.





XLDB extinguishing ball drop system

DESCRIPTION

30 KG Max Payload (Dual Batteries);
5000 m Max Flight Altitude
28 Min Flight time
IP55 Protection and Corrosion Resistance
20 km Video Transmission with O3
Integrated with Dual Batteries and



Feature for XLDB

You can control the fire extinguishing ball drop by remote controller
7075 aviation aluminum and carbon fiber material, durable and light-weight.
Unique quick-release design, High-quality dual-servo control,
The maximum capacity can carry eight 150MM fire extinguishing bombs.
The hand-tight screw loading design can realize fast loading.
With its own camera, it can accurately locate and view the fire ball drop release effect.



Smart Solutions..

Gasoline Floating Motor Pump

This floating motor pump can be used by firefighters to pump water during fires forest or difficult terrain.

The float is made of polyethylene by injection centrifugal and allows good stability of the device on the water.

The frame makes it easy to transport and allows you to attach a rope to keep the device at a safe distance.
HONDA GXV 390 engine with a power of 10.2 HP.

1540l / min max flow
Max pressure of 5.5 bar



Suggested to install on small Jetboat without water tank

Option 1:

Water only

Floating Pump >>> Jetboat >>> Drone

Option 2:

Foam cafs

Floating Pump >>> CAFS mixer >>> Jetboat >>> Drone





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Digital Voice Broadcasting System

Long-Range Acoustic Device for s, with ultra-high sound pressure to clearly transmit voice to distant locations, with an effective range of up to 500 meters. With the second generation of the drone digital voice broadcasting system

جهاز صوتي بعيد المدى للطائرات بدون طيار، يتميز بضغط صوتي فائق لنقل الصوت بوضوح إلى مواقع بعيدة، بمدى فعال يصل إلى 500 متر. مع الجيل الثاني من نظام البث الصوتي الرقمي للطائرات بدون طيار

حامل أمامي مزدوج الحمل



Real-time propaganda
Upload the recording
Text-to-speech
Use SD card to play
Mixed play



دعاية فورية
حمل التسجيل
تحويل النص إلى كلام
للتشغيل استخدم بطاقة
تشغيل مختلط

High Power Searchlight

يُدعم كشاف الطاقة العالي نظام ربط الطاقة، مع الطائرة بدون طيار المُحلَّقة، إلى نقطة ثابتة، ويوفر إضاءة فائقة الثبات لفترة طويلة. تصل قوته إلى 300 واط، وتدفقه الضوئي يتجاوز 20,000 لومن

high power searchlight can support the tethering power system to use, together with the hovering UAV to a fixed point and provide ultra-long time stable lighting illumination. Power up to 300W, luminous flux exceeds 20,000 lumens

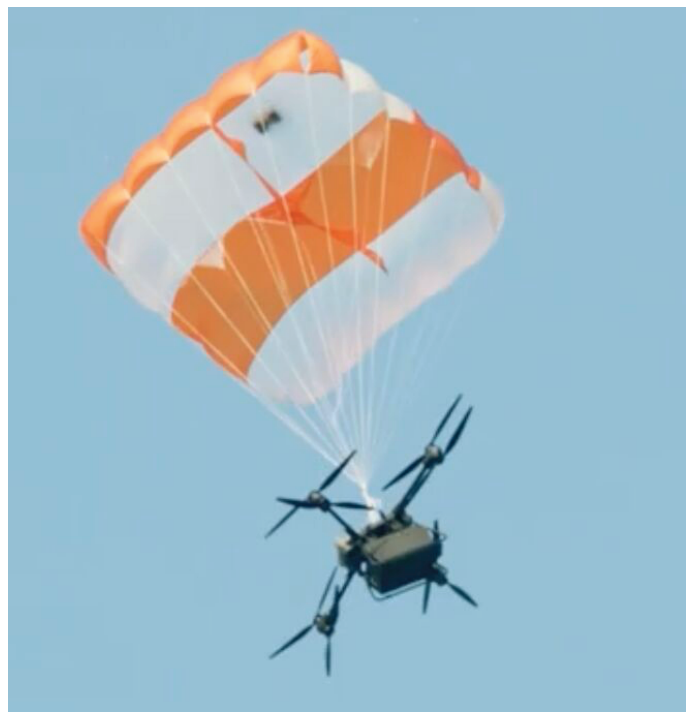


****Advanced Safety Technologies in Drone Design****

As part of our continuous effort to enhance the drone experience and ensure the highest levels of safety, we have developed an advanced drone equipped with a parachute system and smart sensors. The parachute system ensures a safe landing in emergency situations, protecting both the drone and the surrounding area from potential damage.

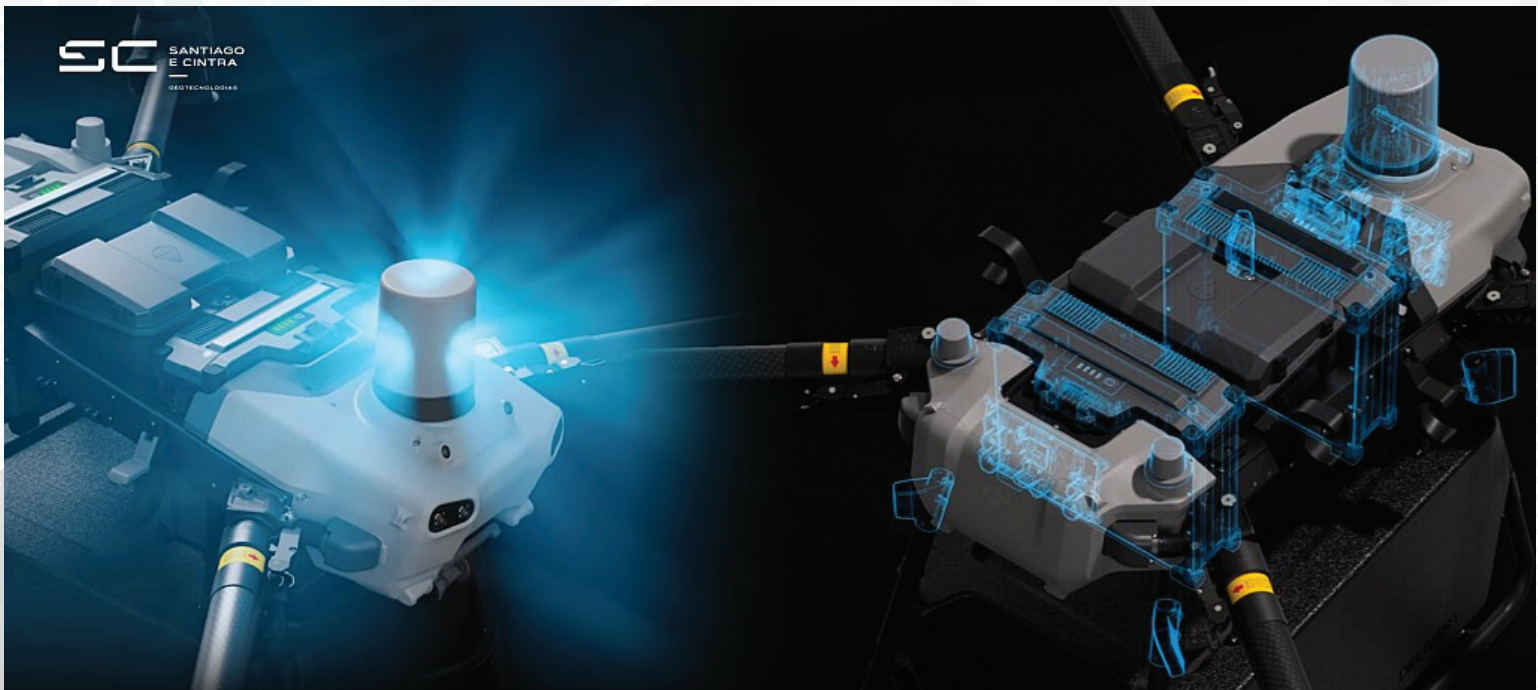
The integrated sensors provide a high level of accuracy and reliability, continuously monitoring the drone and its surroundings to make immediate decisions when necessary. This innovative design not only ensures efficient aerial operations but also adds an extra layer of safety for both users and the environment.

We are proud to offer this system, which significantly enhances the capability of drones to perform their tasks with confidence and security.



****Smart Distance Control to Prevent Collisions****

The drone is equipped with pre-settable configurations that allow for the determination of safe distances between the drone and its surroundings, ensuring collision avoidance even when out of direct sight.



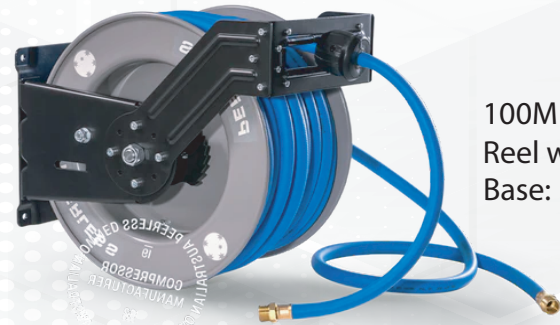


25 kW Vehicle Mounted Diesel Generator

Weight 700 kg
Dimensions 99 × 99 × 99 cm
Generator Type
Emergency Standby, Off-Grid, Prime Power
Output Voltage 120/240 Volts
Mecc Alte Alternator NPE32 VL4 C
DynaGen Controller TG350

heavy-duty commercial system

Flow rate: 60 LPM
Maximum Pressure: 4000 psi
Engine: GXR 810, electric start
Pump: Genera TSF2021 triplex plunger
Drive system: 3VX belt system



100M x 1/2" Retractable Air Hose
Reel with Air Hose: Metal Case
Base: 17 3/4" w x 13 3/4" d

Aluminum Flat Deck Body (ALGB)

Aluminum Tube Headache Rack
Headache Rack Extruded Aluminum Floor Deck
Extruded Aluminum Sides with Stake Pockets and Rub Rail
Full-width Smooth Aluminum Rear Skirt
Toolbox
30,000 lb. Independently Rated Gooseneck Hitch
18,500 lb. Independently Rated Steel Drop Hitch



The image features a top-down aerial view of a lush green field, characterized by concentric, circular patterns of varying shades of green, suggesting a precision agriculture or irrigation system. In the lower right foreground, a black and silver quadcopter drone is shown in flight, equipped with a specialized agricultural payload. The payload includes a cylindrical tank and a long, perforated nozzle, likely used for spraying pesticides or fertilizers. The drone's four propellers are visible, and it is positioned as if moving across the field.

Agriculture

& Pesticide Fogging

Technology is growing every day, and drones are becoming smarter, drones may work fully on their own using artificial intelligence. Farmers will only need to give commands, and the drones will handle everything

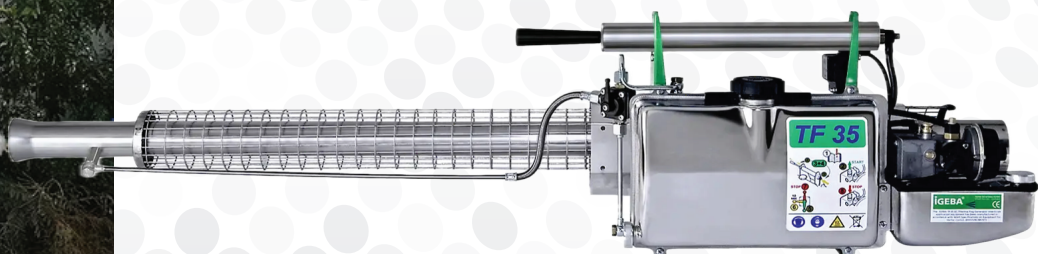


30 KG Max Payload (Dual Batteries);
 40 KG Max payload (Single Battery)
 28 km Flight Distance Without Payload;
 6,000 m Max Flight Altitude
 IP55 Protection and Corrosion Resistance
 20 km Video Transmission with O3
 Integrated with Dual Batteries and Parachute



DCAFS -F series Thermal Fogging Drone

Engine	: 18.7 Kw (25.4 Hp)
Burn Cell Frequency	: 16.100 Kcal / H.
Formulation Tank	: 5,7 Lt
Fuel Tank	: 1,2 Lt.
Formulation Tank Pressure	: 0,2 Bar
Fuel Tank Pressure	: 0,2 Bar
Battery	: 4 x 1.5 Volt.
Formulation Consumption	: 0 - 20 Lt / H. (Adjustable with nozzles)
Fuel Consumption	: 1,9 Lt / H.
Weight	: 7,9 Kg.
Dimensions	: 122 cm. x 27 cm. x 34 cm. (L x W x H)



DCAFS -F series Thermal Fogging Drone

30 KG Max Payload (Dual Batteries);
40 KG Max payload (Single Battery)
28 km Flight Distance Without Payload;
6,000 m Max Flight Altitude
IP55 Protection and Corrosion Resistance
20 km Video Transmission with O3
Integrated with Dual Batteries and Parachute




endless fog
12 H hovering

DCAFS -WF series Thermal Wired Fogging Drone

30 KG Max Payload (Dual Batteries);
40 KG Max payload (Single Battery)
28 km Flight Distance Without Payload;
6,000 m Max Flight Altitude
IP55 Protection and Corrosion Resistance
20 km Video Transmission with O3
Integrated with Dual Batteries and Parachute



DCAFS -FWS series **Thermal Fogging Drone** 6 different application areas

Thermal Fogging and Cold Fogging Machine

Equipped with an 18 HP engine and a roots-type blower,
Comes with 50-liter ULV cold fogging chemical tank,
50-liter thermal fogging chemical tank.

Capabilities:

- # 15 micrometre Cold Fogging
 - # 30 micrometre ULV
 - # 55 micrometre Mist Blower
 - # 15 micrometre Outdoor Thermal Fogging
 - # 30 micrometre ULV sewer spraying apparatus
 - # 15 micrometre Thermal sewer spraying apparatus
- (Can be used efficiently in 6 different application areas)



PRESSURE WASHING

& Sterilization Drones



Commercial

DRONE Wash System

We design fully customized drone
washing systems tailored to your specific needs





Smart Wash System

Electric start engine
 4200 psi high pressure
 Automatic gear for stable flow rate at heights
 100 Meter super ultra weight hose
 high pressure stainless steel hose reel
 large water flow up to 20 LPM
 Can use water, foam, cheme ..
 Compact design to feet in any car
 hose length can be extended up to 250 M



Water , Foam mixer

switch between water and foam tank during fly
 220 v convertor to charge the batterieis
 12 v USB - Type C charging port
 300 x 300 x 3200 compact designe
 1/2 to 1 inche inlet water

Washing Drone

Based on DJI Matrice 400 RTK model
 with latest version of RC plus 2 controller
 Built in Lidar system
 mini paraschut for emergency
 profesional bracket for washin wand
 super ultra weight carbon wand



60 Degree adjustable mounted wand

The wand comes in a fixed length, mounted on an adjustable base system that allows flexible angle control (approximately 60° in each direction — up, down, and sideways) without needing to reposition the nozzle.



Drone nozzle models

We offer a range of drone nozzle models designed for different applications—whether for water or soap. Each type comes with varying spray patterns, including straight nozzles, L-shape configurations, and turbo rotating options, giving you the flexibility to choose the right performance for your operation.



Spot-Free Deionizer System

Total dissolved solids (TDS), hardness minerals (calcium, magnesium), dissolved metals (lead, copper, iron, manganese, zinc), sodium, potassium, ammonium, chloride, sulfate, bicarbonate, carbonate, nitrate, and more.





CCTV , Communication Tower washing
DCAFS 101

689255924

CCTV , Communication Tower washing

Given the difficulty of manually accessing control and radio towers and the danger of working at high altitudes, drones can be used as an innovative and safe solution to clean and maintain these facilities.

reaching up to 200 Meter high



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SERVICES

- Facade cleaning
- Window cleaning
- Stadium definitions

Many multi-storey buildings create challenges and become demanding for many professional cleaners which must adhere to strict safety protocols making such services complex. Facades come in all sorts of different materials e.g. Glass, stone, copper, Composite Aluminium sheets, stainless steel which require different methods and requirements to have them cleaned.

Drone Clean Solution is also considered to be worksafe. Working from dangerous heights can be hazardous and utilizing this drone technology eliminates the requirements for workers to physically access these heights and the dangerous environments

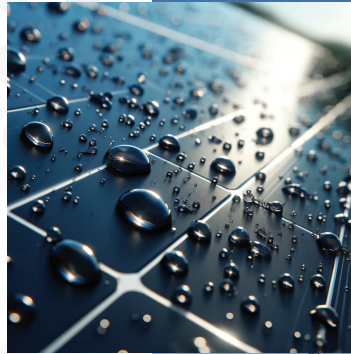


Solar Panel Cleaning

Solar panels require dirt free environments to work efficiently. In fact the materials, particularly the surfaces are so sensitive and highly specialised

that they can only be cleaned safely by

using water that has been filtered by Reverse Osmosis ensuring all harmful particles and bacteria are removed are perfectly placed to be maintained gently and effectively by



Solar Panel Cleaning

Filtered R.O
water technology ..

Electromagnetic Grid Cleaning Drone

4,000 L Water Tank
12 Hour Flight time
RO Pure water



Electromagnetic Drone

Development of Electromagnetic and Electrostatic Shielding for the Drone-Robot
The cleaning drone-robot was designed for cleaning insulator chains on cables that carry voltages of 69 kV or 138 kV. Given the potential for intense electromagnetic interference and undesired electrical discharges to damage the drone-robot, shielding against electromagnetic interference and electrostatic discharges was designed and implemented. The distances considered for calculations are presented





Code 360 Unmanned Aerial vehicle L.L.C

Scan here to watch videos and photos



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Thank you..

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