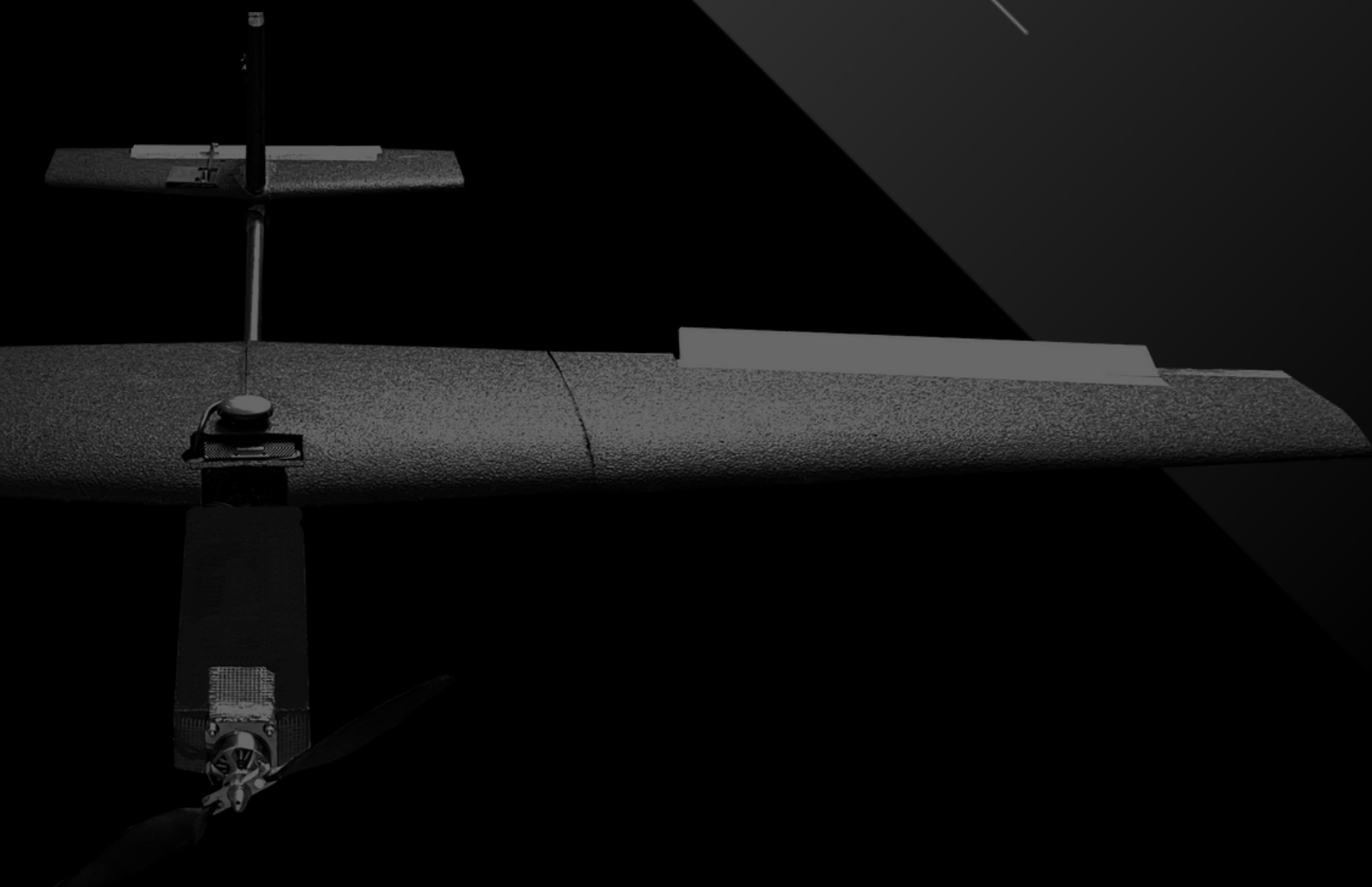




JOHNNETTE

# MAKING IMPOSSIBLE POSSIBLE .



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## Founder's Note



"Nowadays, citizens of the world have to face the unfriendly side of evolution of emerging technologies surge in scale and sophistication of diversified safety threats. Such state of affairs places pressure on the defence industry and fuels our passion for innovation of Unmanned systems using artificial intelligence and deep learning. It is not in our power to negate threats, but within our expertise when utilizing our extensive skills and cutting-edge technologies to provide you with solutions against anticipated menaces. Hence on behalf of Johnnette Group, I pledge to continue innovating for our valued customers and provide them with the most modern solutions with humanity and sustainability in our pursuit of innovation"

Lt Cdr John Livingstone (R)  
Founder, Chairman and Global CEO  
Johnnette Group

# About Us

Johnnette Group, established in 2010, is a renowned UAV manufacturer in India. Our focus is on providing top-notch products and services to the defense and aerospace industry. Our success in the industry can be attributed to our strong team spirit and customer-centric work culture. At our R&D Center, we strive to develop cutting-edge transformational technologies for the aviation industry by combining our R&D and manufacturing processes. Our highly motivated and results-driven workforce enables us to conceptualize new ideas and designs. We are committed to continuously improving our solutions to meet the evolving needs of our customers. Our military innovations are widely used by the Indian Armed Forces and Paramilitary Forces, and we export them globally.

## Vision

To be the global leader in efficiently solving our customers' requirements in the Defence and Aerospace industry.

## Mission

To deliver customized high quality products with state-of-the-art technology for enhancing and empowering our customers needs.





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## JOHNNETTE

# JF-2

- Backpack Fixed Wing
  - 1080p Day Camera & 640p Thermal Camera
  - 15 km Operational Range
  - Anti Jamming and Anti Spoofing
- 

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## JOHNNETTE

# JF-5

- HALE UCAV Aircraft
- SAR/MPR, EO/IR, COMMINT, ELINT, Bombs, Missiles
- 35,000 ft Max Flight Altitude
- 6000 km Operational Range

---

ANTICIPATED READINESS BY 2028\*

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JOHNNETTE

# JM-1

- Low Cost Loitering Munition
  - Low Operational Set Up Time.
  - Easy backpack transportation
  - 5 km Operational Range
  - Anti Jamming and Anti Spoofing
- 

---

JOHNNETTE

# JR-1

- Low Cost Grenade Dropper
  - GCS Failsafe
  - 2Km Max Range
  - 700g Payload
  - Backpackable
  - Assembly Time <5mins
-

# JF-5 COMBAT



ANTICIPATED READINESS BY 2028\*



# Description

Johnnette JF-5 is a High Altitude Long Endurance strategic Unmanned Combat Aerial Vehicle capable of conducting operations that are performed by fighter jets. Its unique design and speed increases its survivability in higher threat environments and provides customers with an expanded quick-response armed reconnaissance capability.

Wide-area surveillance, time-sensitive strike missions over land or sea, and a host of other challenging military missions can be performed with this highly advanced, next generation Remotely Piloted Aircraft.

# Specifications

1. WINGSPAN: 18m
2. AIRCRAFT WEIGHT: 1300kg
3. PAYLOAD: SAR/MPR, EO/IR, COMMINT, ELINT, Bombs, Warheads and Loitering Munitions
4. MAX FLIGHT ALTITUDE (AGL): 30,000ft
5. COMMUNICATION: RLOSCoM and SATCOM
6. OPERATIONAL RANGE: 2000+kms
7. LAUNCH/RECOVERY: Runway

# Features

1. Fully Automatic Navigation and Route Tracking Feature
2. Semi-Autonomous Flight Modes Support
3. Precise Auto Takeoff and Landing with Built-in Sensor Fusion
4. Fully Automatic Taxi and Parking Feature
5. Fault Tolerant and 3 Redundant Sensor Fusion Application

# Advantages

1. Dual Redundant SATCOM + Dual Redundant LOS
2. Fully Automatic Flight Control and 3 Redundant Autopilot System
3. Navigation with Internal Sensor Fusion Without Dependency on GPS + NAVIC (IRNSS)

*Prototype to be developed by 2028\**



# JF-2 TACTICAL



# Description

Johnnette JF-2 is a lightweight hand launched fixed-wing drone that is simple to fly and is designed for Intelligence, Surveillance and Reconnaissance operations. Its payloads include a high-definition day camera and thermal Imaging camera which make it ideal for day and night operations. Johnnette JF-2 is a cost-effective, stealthy, man portable drone and has an endurance of 90 minutes. It has a crash proof avionics bay, anti-jamming and anti-spoofing features which make it an ideal solution for land forces.

## Specification

1. WINGSPAN: 220cm/2.2m
2. AIRCRAFT WEIGHT: 4000g/4kg
3. PAYLOADS – Day & Night (Thermal) Gymbalised Cameras
4. OPERATIONAL ALTITUDE(AGL) : 300m-600m
5. ENDURANCE: 90min
6. MAX LIVE VIDEO OPERATIONAL RADIUS: 15 Km
7. OPERATING TEMPERATURE: -20 to +50°C
- 8.. RANGE: 15 Km
9. PROPULSION: Electric
10. MAX TESTED ALTITUDE: 1500m
11. CRUISE SPEED: 40 Km/hr
12. MAX SPEED: 60 Km/hr
13. MATERIAL: EPP+ Composite
14. MSL: Tested at 1200 ft
15. OPERATIONAL MSL: upto 500m
16. SOFTWARE: Johnnette GCS Closed Source Encrypted
17. WIND RESISTANCE: 40Kmph
18. GCS: MIL STD All weather laptop integrated with our software
19. LAUNCH/RECOVERY: hand launch / belly landing/ parachute

## USP



CRASH  
RESISTANT



LONG RANGE  
AND ENDURANCE



ANTI JAMMING &  
ANTI SPOOFING

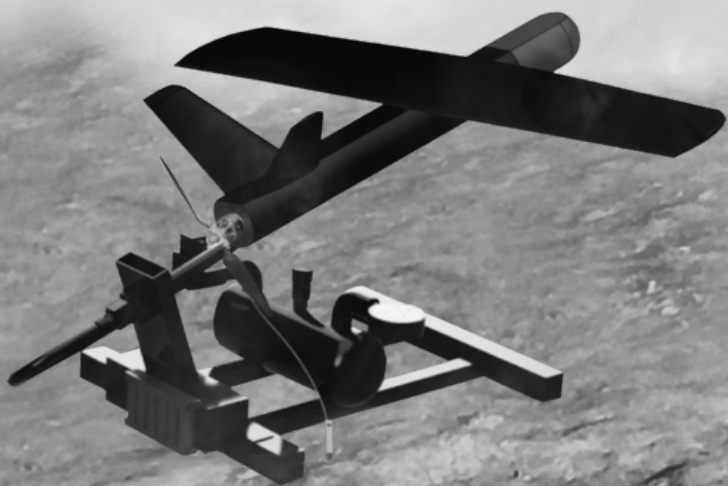


80% MADE IN  
INDIA



AFFORDABLE

# JM-1 COMBAT





# Description

Johnnette JM-1 is a state-of-the-art purpose-built Loitering Munition (LM) that can be used for aerial surveillance and target neutralisation by Land and Naval forces. JM-1 has a pneumatic ground-based canister launch mechanism wherein the LM is mounted onto the launch-pipe and once fired pneumatically, JM-1 can loiter with a total endurance of 35 min, and when the target is sighted it can be guided down to destroy the target with the explosive payload it carries. This entire operation is fully autonomous with an abort feature and is recovered using a Net recovery system.

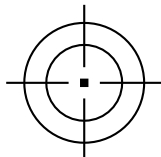
# Specifications

1. WINGSPAN: 1.4m
2. AIRCRAFT WEIGHT: 3.5kg
3. PAYLOAD: 1080p Day Camera and Warhead 500g
4. RANGE: 06km with live video, 12 km (Lat, Long Strike)
5. MAX TESTED ALTITUDE (AGL): 1500m
6. ENDURANCE: 35 mins
7. OPERATING TEMPERATURE: -5 to +40°C
8. LAUNCH/RECOVERY: canister launch / net recovery
9. NAVIGATION: GPS/NAVIC
10. PROPULSION: Electric
11. OPERATIONAL ALTITUDE: 100m-200m
12. CRUISE SPEED: 110km/hr
13. MAX SPEED: 140km/hr
14. MATERIAL: EPP+ Composite
15. OPERATIONAL MSL: upto 500m
16. SOFTWARE: Johnnette GCS Closed Source Encrypted
17. WIND RESISTANCE: 40kmph
18. GCS: MIL STD All weather laptop integrated with our software

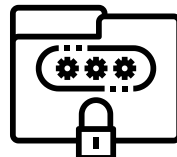
## USP



EASY  
OPERATION



PRECISION STRIKE



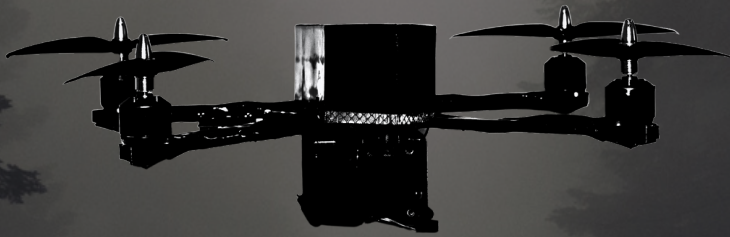
ANTI JAMMING &  
ANTI SPOOFING



AFFORDABLE



MADE IN  
INDIA



# JR-1 COMBAT



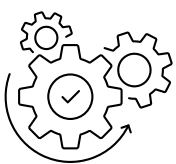
# Description

The Johnnette JR-1 Combat is a cutting-edge compact unmanned aerial vehicle (UAV) tailored for superior performance in combat scenarios. Boasting a 700g payload capacity and a maximum altitude of 300 meters, it provides a strategic edge for tasks ranging from intelligence gathering to engaging targets. With a user-friendly interface and semi-autonomous features like waypoint navigation and obstacle avoidance, it caters to operators of varying expertise. Engineered for combat readiness, it endures harsh environments, ensuring operational resilience. Real-time data transmission and stealth capabilities bolster its effectiveness, while customizable payload options cater to diverse mission needs. Seamless integration with command and control systems further amplifies its impact, solidifying its position as a vital asset for military and security forces in dynamic and challenging terrains.

## Specifications

1. LENGTH: 420mm
2. PAYLOAD: 700g Grenade
3. OPERATING TEMPERATURE: -10 to +50°C
4. ENDURANCE WITH PAYLOAD: 15 min
5. WIND RESISTANCE: 25kmph
6. PROPULSION TYPE: Electric
7. TAKE OFF AND LANDING: VTOL
- 8.. MAX ALL UP WEIGHT: <1.2Kg
9. OPERATIONAL CREW: One person
10. MAX LAUNCH ALTITUDE: 18000 ft AMSL
11. MAX OPERATIONAL ALTITUDE: 600ft AGL
12. MAX SPEED: 50kmph
13. CRUISE SPEED: 30kmph

## USP



EASY TO  
OPERATE



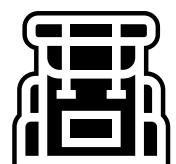
REDUNDANT  
MECHANISM



MADE IN INDIA



AFFORDABLE



BACKPACKABLE

## 80

Total number of Drones in operations  
both in military and civilian  
applications

"JF2 Drone performed as per  
the specification in our  
validation test"  
---- Indian Army

## 4.2

Is the Google Analytics Star rating for  
Johnnette Technologies

## 7

Is the total number countries we have  
been doing our business and  
supplying our products

"JF2 Tactical supplied by Johnnette has  
been working satisfactorily and  
meeting our requirements"  
---- Assam Rifles (Special Forces)

## 3000 hrs

Is the total combined flight hours of  
Johnnette platforms

## GLOBAL REACH



# Military Clients



INDIAN ARMY



# Non-Military Clients

FILMS DIVISION  
MINISTRY OF INFORMATION & BROADCASTING  
GOVERNMENT OF INDIA







JOHNNETTE TECHNOLOGIES  
Noida, India

JOHNNETTE MIDDLE EAST  
Dubai, UAE



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