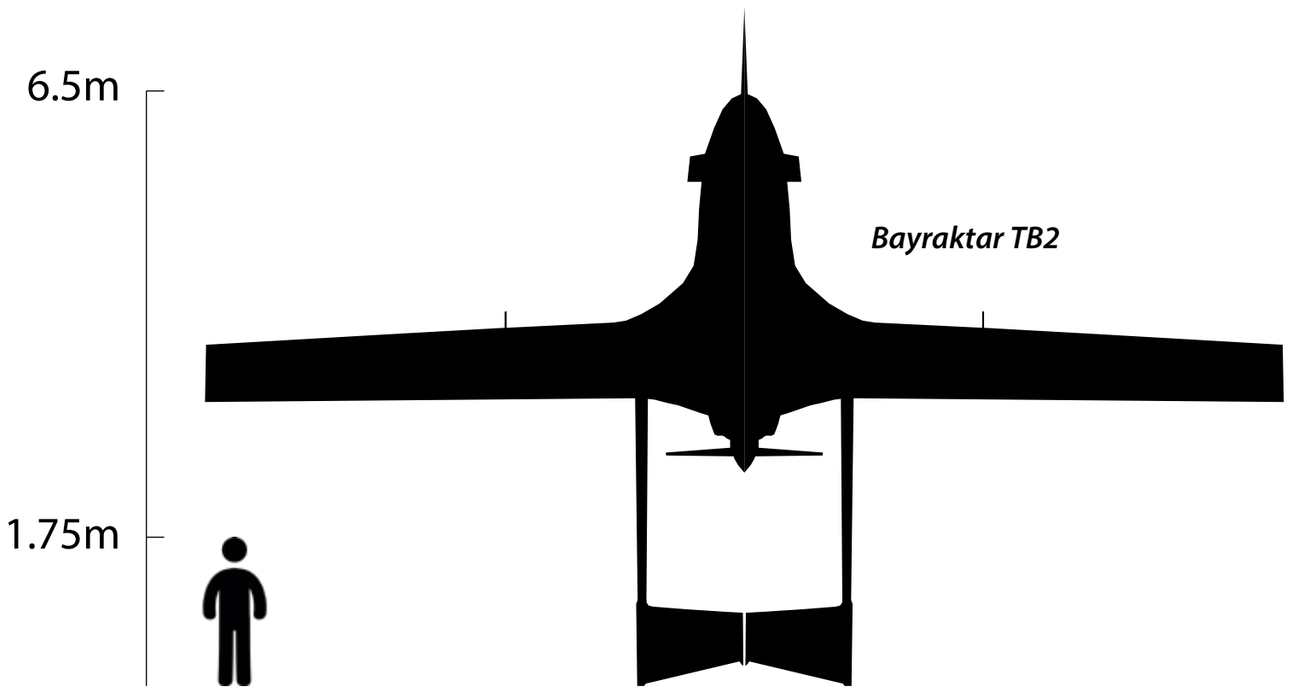
Major Categories of Unmanned Systems in Africa



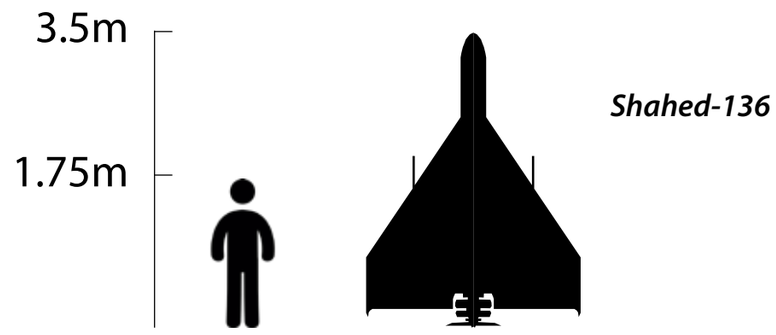
Long Endurance

Endurance: **24+ hours**

Range: **150-300+ km**

Payload: **Up to 1,400 kg**

Examples: Bayraktar TB2, Wing Loong II, CH-4



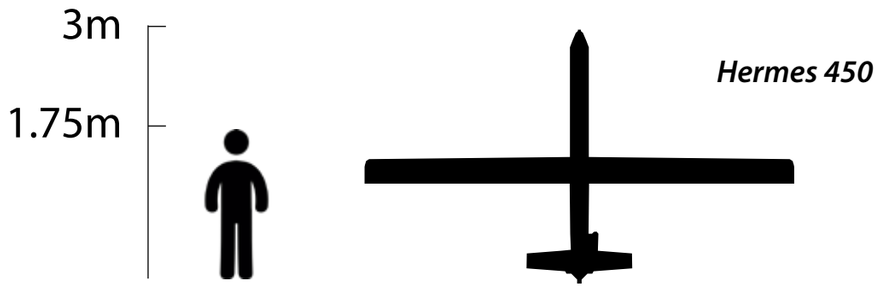
One-Way Attack

2-6 hours

500-2,500 km

Up to 120 kg

Examples: Shahed-136 / Geran-2, Harop, SkyStriker



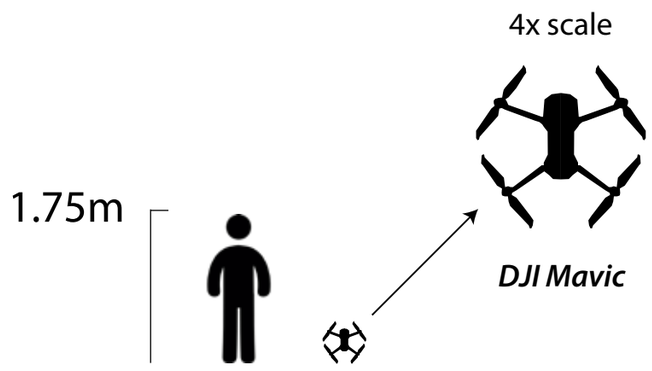
Intelligence, Surveillance, Target Acquisition, and Reconnaissance

4-24 hours

10-500 km

Up to 180 kg

Examples: Aerius Pro, SkyRanger R70, Hermes 450



Small Unmanned Systems

10-30 minutes

1-15 km

.5-5 kg

Examples: FPV Quadcopter, DJI Mavic, Autel EVO

Emerging and Supporting Unmanned Systems

UGVs (Unmanned Ground Vehicles)

Milrem THeMIS

2-24 hours

1-10+ km

50-500+ kg

Examples: Milrem THeMIS, Ripsaw M5, G-Patrol

Logistics Dones (CARGO/ VTOL)

DJI FlyCart 30

30-120 min

5-50 km

5-200 kg

Examples: DJI FlyCart 30, Wingcopter, MWC V-Bat

Interceptor UAS

Droneshield

10-30 min

5-25 km

1-5 kg

Examples: Merops, SkyKnight, Droneshield

USV / UUV Systems

Magura V5 USV

24+ hours (USV) to 10 days (UUV)

100-1,000+ km

Varies

Examples: Magura (USV), Toloka (USV), HUGIN (UUV), Sea Baby (USV)