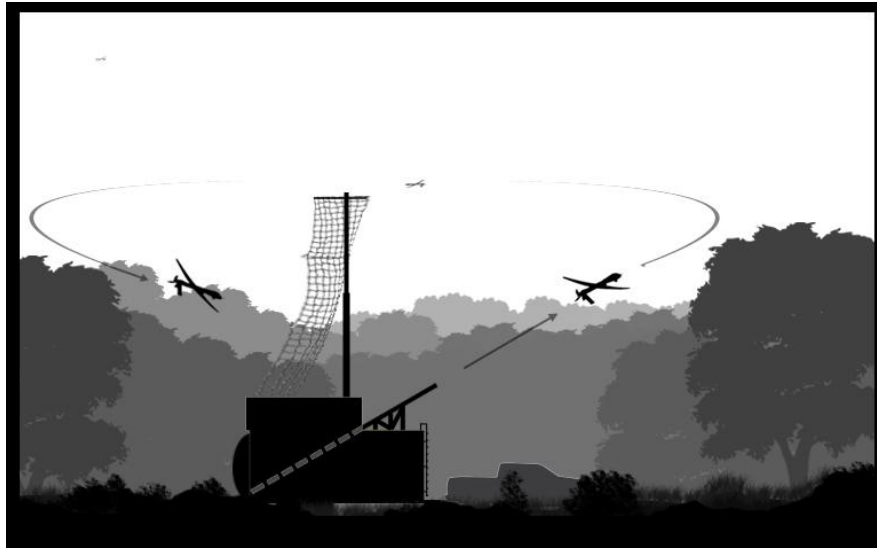


## UAS Launch and Recovery Services



Storage, transport, pre-flight preparation and launching and recovery of mid-size fixed-wing UAV's requires specialized conditions—especially during wet, dusty or cold weather. For these reasons it is critical to inspect and maintain the aircraft while in the field. DDIS has designed an innovative mobile command and launch trailer that supports the needs of staging an aerial mission. This consists of a heavy duty launch trailer with operable roof doors that open to the sky. It can securely store transport, launch up to 4 drones with wing spans of 7 ft. This includes a climate controlled pre-flight preparation work bench that provides all tools and checklists for maintenance of the aircraft before and after flights. Since many UAV operations are at night this command center supports a 3 person team for 8 hour shifts.

DDis has the means to launch UAVs from within the trailer using a rail launcher catapult shown by the dashed line (above). This can be angled to nearly vertical to quickly clear forest or jungle canopy.

For UAS recovery, DDIS can capture midsize aircraft utilizing either our surveillance aerostat, or our 60' mast. These recovery methods are ideally suited for rugged terrain where landing a fixed wing is not possible or dangerous.

Our proprietary DDIS aerostat balloon can also be used as an "at altitude" launch & recovery, and recharging station. This 12'-wide balloon can loft a 10lb UAV up to 1000'. It can then remotely start up all systems and release the aircraft on demand. This altitude dramatically increases the range and loiter time of the UAV. The lighter than air gas give your vehicle altitude, its limited battery power is saved to give it additional range.