Aurora Flight Sciences is a leader in the development and manufacturing of advanced unmanned systems and aerospace vehicles. We are headquartered in Manassas, Virginia and operate production plants in Bridgeport, West Virginia and Columbus, Mississippi. Aurora has Research and Development Centers in Cambridge, Massachusetts, Dayton, Ohio and Mountain View, California, and a European office, Aurora Swiss Aerospace, located in Lucerne, Switzerland.

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SIDEARM LAUNCH AND RECOVERY SYSTEM

RUNWAY-INDEPENDENT OPERATION OF FIXED WING AIRCRAFT
SideArm is a runway independent UAV launch and recovery system capable of both land and sea-based operations. Combined with its 1,100 lb aircraft, the SideArm system brings runway independence to a new class of large Group 3 fixed wing UAVs. SideArm provides the versatility of rotary-wing aircraft with the payload and endurance of fixed-wing aircraft.

Capabilities and Benefits

- Single apparatus launches and recovers aircraft from austere sites
- SideArm can relocate between launch and recovery events
- Design supports a range of fixed-wing unmanned aircraft including weaponized BLOS aircraft
- SideArm folds to fit inside a ship hangar or a 20-foot ISO container
- Up to 225 lbs payload
- 2-4 man operation. System erects in minutes
- Deployable by truck, CH-47, or C-130
- Low cost of operation compared to VTOL platforms
- BLOS communications integrated into the aircraft
- 24 hour endurance
- Can be placed onto any ship with a helicopter flight deck

SideArm Launch/Recovery

Aurora’s patented SideArm rail recovery device enables launch and recovery from a single apparatus. SideArm is designed to self-fold into a standard container.

Common Basic SideArm System

Container #1
- Two SideArm Silent Tactical (SST) air vehicles, ground support equipment, maintenance hangar, spares, ground control station

Container #2
- SideArm Launch and Recovery System

Custom UAV Designed to Exploit SideArm Launch and Recovery System Provides Unparalleled Runway Independent Performance

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