



WALL

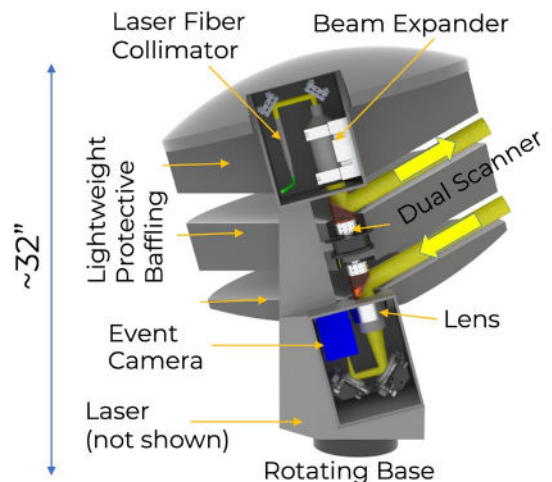
Wide Area Laser Locator



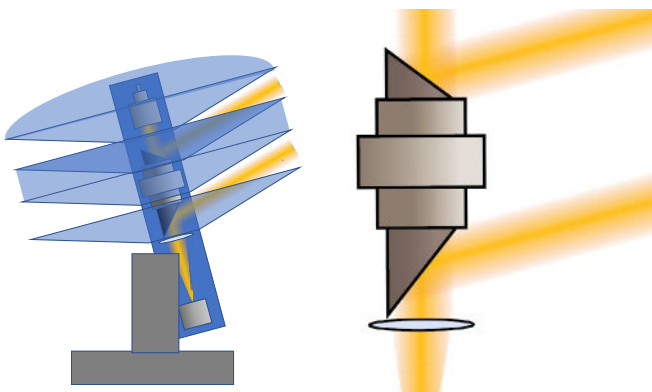
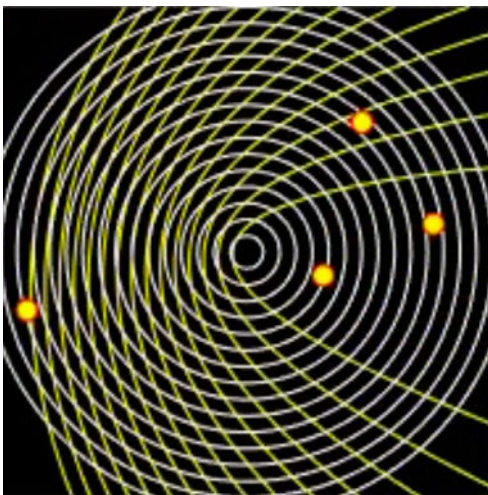
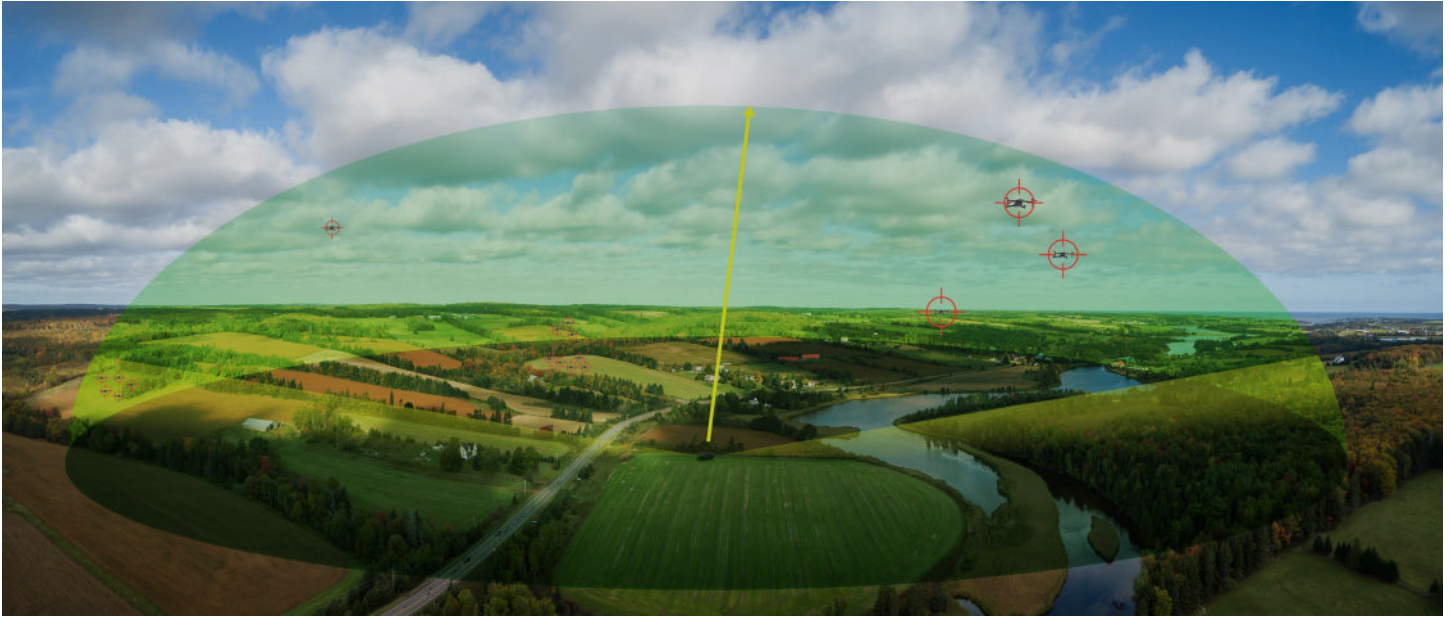
Areté's WALL is an advanced LiDAR based unmanned air systems (UAS) detection technology. WALL provides a 360-degree detection cone enabling continuous monitoring and 3D detection out to 3 kilometers. WALL's advanced LiDAR technology is a function radar replacement with zero RF emissions while being resilient to ground and background clutter. This enables counter-UAS detections day and night, and while acting in dangerous RF environments.

Key Features

- 360 Degree Detection
- Low SWaP-C
- No RF emissions
- Resilient to ground and background clutter
- On the move operations
- 3 km range
- 0-30 degrees above horizon
- Day/Night operations



WALL – Wide Area Laser Locator



Functional Radar Replacement

- Monitoring and Detection Function
- 360 Degree Monitoring
- 3D Detection and Localization
- Day/Night Operation

Advantages over Radar

- No RF emissions
 - Functionally Covert
 - Operable in civilian space
- Resilient to ground and background clutter
- Operable on the move

Advantages over Traditional Lidar

- Contiguous Sensing (no gaps or holidays)
- Simple and efficient CW laser
- Rapid Scanning/Small Aperture
- Compact
- Leverages camera sensor technology

Coverage

- 3 km
- 0-30 degrees above the horizon

