## CAPABILITIES

**Multi-Domain Intelligence, Surveillance, and Reconnaissance**
- High resolution, wide swath SAR mapping
- Stabilized high definition multi-spectral imaging
- HD infrared and color camera with continuous zoom
- Platform-based on a certified twin-engine general aviation aircraft
- Advanced automation feature for unmanned or pilot-augmented operations
- Automated contingency management system
- Commercially exportable Missile Technology Control Regime category II system

**Autonomy and Sensor Development**
- Aurora’s special Airworthiness Certificate provides easy access to the National Airspace System (NAS) for rapid development
- Stable, highly accurate and repeatable autopilot features
- Flexible payload architecture allows integration for a variety of sensors
- Very high fuel efficiency; loiters on less than 8 gal/hr

## PAYLOAD AND PERFORMANCE

<table>
<thead>
<tr>
<th>Payload Power</th>
<th>Speed</th>
<th>Altitude</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 5.6 kW</td>
<td>Loiter 85 kts; cruise 135-160 kts</td>
<td>Up to 25,000 ft</td>
<td>SATCOM and anti-ice</td>
</tr>
</tbody>
</table>

### Mission Endurance
- 16 hrs with baseline payload

### Range
- Up to 2,000 nm

### Baseline Payload
- Multi-mode radar with up to 175 nm large target detection range
- Stabilized HD EO/IR gimbal with laser rangefinder
- Dual AIS receiver

### Communication
- Dual LOS IP datalinks
- UHF/VHF radios
- IFF ADS-B transponder

### Sensor Options
- Other ISR sensors
- Communications package
- Gravimeter
- Environmental monitoring package

**CENTAUR**

Optionally-Piloted Aircraft System

Centaur OPA is a flexible, multi-role system for manned, hybrid or unmanned flight operations.