Persistent Maritime Domain Awareness

**OBJECTIVE**
Perform persistent maritime awareness with over-the-horizon long-endurance, medium-altitude Intelligence, Surveillance and Reconnaissance (ISR) missions, while maintaining complete airspace situational awareness

**CHARACTERISTICS**
- **Wing Span:** 79 ft (24m)
- **Length:** 38 ft (11.7m)
- **Powerplant:** Honeywell TPE331-10 Turboprop
- **Max Gross Takeoff Weight:** 12,500 lb (5670 kg)
- **Fuel Capacity:** 6,000 lb (2721 kg)
- **Payload Capacity:** 4,750 lb (2155 kg) across 9 hardpoints (8 wing, 1 centerline) 800 lb internal (363 kg)
- **Power:** 45 kVA
- **Backup Power:** 2 kW

**PERFORMANCE**
- **Max Altitude:** 40,000+ ft MSL
- **Max Endurance:** 35 hr
- **Max Air Speed:** 200+ KTAS
- **Max Range:** 5,500+ nmi

**CONTROL/DATA LINKS**
- **Line-of-Sight:** C-Band
- **Over-the-Horizon:** X-, Ku- or Ka-Band
  - **Backup:** Inmarsat

**FEATURES**
- **High Definition EO/IR**
- **SeaGuardian Mission Kit:**
  - Multimode 360° Maritime Surface Search Radar
  - Automatic Information System (AIS)
- **GA-ASI Lynx Multi-mode Radar**
- **Dual VHF/UHF certified radios**
- **Open mission systems architecture**
- **STANAG 4671-compliant type certifiable design**
- **DO-178 and DO-254 design assurance for software and avionics**
- **All weather De-ice/Anti-ice system - Lightning protection**
- **Detect and Avoid (TCAS/ADS-B and Due Regard Radar)**
- **Damage tolerant airframe**
- **40,000 hour design service life**
- **Automatic takeoff and land (LOS and SATCOM)**
- **Fire protected engine bay**
- **Other customer specific payloads**
  - Electronic Support Measures (ESM)
  - SIGINT

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