



## **MISSION CRITICAL EDGE CUSTOMER USE CASE**

### **General Atomics**

Gray Eagle Extended Range UAV

#### **System Challenges**

- Demand for reduced power consumption forced General Atomics to look at consolidated platform that supported Linux and real-time determinism
  - Multicore 64-bit Arm processor

#### **Lynx Solution Benefits**

- DA foundation for constructing modular systems offering real-time, security, and certifiability
- Incorporates purpose-dedicated software enclaves each with operations and access restricted to their precise need
- LynxOS-178 full set of DO-178C DAL-A certification artifacts reduces certification costs
- Low latency inter-process communications as well as strict red-black data separation from data reception to specific UAV functions

#### **Lynx Products in Use**

- LYNX MOSA.ic for Avionics on x86

**LYNX**

SOFTWARE  
TECHNOLOGIES



**GENERAL ATOMICS**  
AERONAUTICAL