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