General Atomics Systems Integration, LLC

- **Defense Services**
  - Provider of best value defense services for U.S. and International Customers

- **Engineering Expertise**
  - High technology services to improve military aircraft affordability, availability, and capability

- **Operational Expertise**
  - ISR systems operations, aircraft maintenance, logistics support, and Processing, Exploitation, Dissemination (PED) services
General Atomics Systems Integration, LLC

High technology services to improve military aircraft
Affordability - Availability - Capability

USG Customers
United States Air Force
United States Navy

Kaysville Office
Hill AFB

Midwest City Office
Tinker AFB

GA HQ / GA-SI HQ
San Diego

Warner Robins Office
Robins AFB
EXAMPLE: KC-135 AIRCRAFT AVAILABILITY IMPROVEMENT

New Technical Data
1. 300+ Technical Order Revisions
2. 200+ Logic Tree Revisions
4. NW Door Sequencing Revision

New Maintenance Procedures
5. Boom surge boot
6. Navigation light
7. Ground Handling
8. Shock Strut Servicing
9. Brake Maintenance
10. Control Cable Replacement

New Support Equipment
11. Horizontal T-Fitting Replacement
12. Wireless Engine Trim Tool
13. MLG Removal Tool
14. MLG Safety Switch Tool
15. NLG Inner Cylinder Tool
16. Control Column Lock Tool
17. Ruddervator Alignment Tool

New Design Modifications
18. Carbon Brakes/New Wheels
19. Radial Tires
20. MLG Centering Cylinder
21. Q-Can Tube
22. Fuel Sump Valve
23. Hydraulic Servicing
24. Steering Cover
25. Spin Brake
26. Nose Wheel Well Repair
27. Boom Sight Door
E-6 Carbon Aircraft Brake Modification

1,000 lb. operational empty weight reduction
Predator® Sustainment

Original Equipment Manufacturer

Services
Specialized Engineering
Training Services
Field Service Reps
Depot Logistics/Liaison
Example of Predator® ISR Operational Capability

Complementary cueing sensor suite:
- Wide area SAR/GMTI radar
- Ground Moving Target Indicator (GMTI)
- Maritime Moving Target Indicator (MMTI)
- Short range hi-res EO/IR video
Typical Predator® System

- Two Line-of-Sight (LOS) C-Band Data Links
- Beyond Line-of-Sight (BLOS) SATCOM Data Link
- 4 aircraft
- Engine Stand
- Wing Handlers
- Fuselage Stands
- Basic Tool Kits
- Ground Support Equipment (GSE)
- Ground Control Station (GCS)
- Aircraft Shipping Container
MQ-1 Predator®

Battery
Ignition

Servos

Predator®
MGTOW 2,250 lb.
Endurance 40 hr.
Max Airspeed 117 KTAS
MQ-9 Reaper®

Battery

Servos

QEC

Wheel & Tire

Reaper®
MG TOW 10,500 lb.
Endurance 27-42 hr.
Max Airspeed 240 KTAS
MQ-1C Gray Eagle (US ARMY)

Improved Gray Eagle
- MGTOW: 4,200 lb.
- Endurance: 48 hr.
- Max Airspeed: 167 KTAS
Certifiable Predator B / Guardian Eagle

Compliant with NATO flight certification and other standards

- Remotely piloted or automatic
- Automatic takeoff and landing capability
- Anti-lock Braking System (ABS)
- Triple-redundant avionics / dual redundant flight controls
- De-ice, lightning protection, fire detection systems
- MIL-STD-1760 Stores Management System
- 9 external stores stations
- C-Band line-of-sight data link
- Ku-Band SATCOM data link
- Provisions for DRR retrofit kit
- Certifiable GCS

**CPB/Guardian®**
- MGTOW: 12,500 lb.
- Endurance: >40 hr.
- Max Airspeed: 200 KTAS
Summary

• **General Atomics affiliated companies provide high technology systems and services**
  – Nuclear fuel cycle
  – Electromagnetic systems
  – Remotely operated surveillance aircraft & airborne sensors
  – Advanced electronic, wireless and laser technologies

• **General Atomics Systems Integration, LLC is the defense services provider for the General Atomics enterprise**
  – Engineering Services
  – Aircraft modernization and integration services
  – Training services
  – Field Support services

• **General Atomics and USAF Partnership Agreement for implementation of Predator® sustainment is a success**
  – Successful induction of technology and workload