Lockheed Martin
Lifetime Support Operations
Primarily Performance Based Logistics Contracts Today to Support LM Weapon Systems and Commercial

Includes Command and Control Systems for Logistics Processes

Moving Towards Total Sustainment of Systems that Comprise Both LM and other OEM Components, Involving Automated Supply Chain Management, Maintenance Free Operating Period Design, Distance Support and Total Asset Visibility
Condition Based Maintenance

Prognostics &
Health Mgmt

Sensor Algorithms

“O” Level
Maint. Action

Intelligent Supply Chain Management ~ SCM Command Center
1. Electronically accept requisition (MILSTRIP, EDI, …)
2. Query CM data base to validate correct part is being ordered
3. Validate software compatibility
4. Determine Safe Stocking Level
5. Contact 3PL for shipment and TAV
6. Validate delivery and carcass return

Update Real-Time Demand Forecast & Adjust inventory buys & Schedules

Failure Analysis ~ SILC
• trending
• training related
• engineering related
• process related

• Single problem or trend
• Root cause analysis
• Correct IETM
• Hardware/Software ECP
• Process Change

Autonomous & Intelligent Design to Disposal Management & Control of
Maintenance, Engineering, CM, Training, Field & Distance Support, Supplier/Repair,
Warehouse, Inventory, Transportation, PHM, Government Interfaces & Portals
Lifetime Support Command Center (LSCC)

Our Command Center is in use TODAY
PBL Performance in OEF/OIF

Reverse Logistics

45,109 casings for retreading since start up

Call 1-866-686-0060
From anywhere in the WORLD
Combining the Best Commercial and DOD Processes

- General Aviation
- Space shuttle
- Military
- Commercial
- Regional
Total System Support Responsibility
From Systems to “Systems of Systems”

Base of In-Place System Level Lifetime Support & Performance Based Logistics Contracts

Surface Combat System Related
- AEGIS Lifetime Support ~ MS2 Moorestown
- MK-41 VLS ~ MS2 Baltimore
- MK-92 FCS ~ LMIS Huntsville/Moorestown
- USQ-70 ~ MS2-Eagan

Naval Aviation Related
- S-3 PVS ~ Aero Marietta
- CASS ~ LMSTS Orlando
- LANTIRN PBL ~ M&FC, Orlando
- Navy Aircraft Tires ~ MS2 Moorestown
- H-60 ~ LMSI / Sikorsky JV

Submarine Related
- BSY2 POSS ~ MS2 Syracuse
- ARCI PBL ~ MS2 Manassas

Army
- JAVELIN ~ M&FC
- HIMARS ~ M&FC

System of Systems
Total Platform Support

Total System Support Responsibility
Ultimate Goal: Maintenance Free Operating Design & Autonomous Support

D2D/ALIS for Autonomic Logistics

New Major System Program Pursuits
- Littoral Command Ship ~ MS2
- MUOS ~ Space
- SBR ~ Space

F-117 TSPR ~ Aero
F-35 TSPIR ~ JSF
Deepwater ~ MS2
THAAD ~ Space

Total System Support Responsibility
Ultimate Goal: Maintenance Free Operating Design & Autonomous Support
**Cumulative Life-Cycle Costs Incurred by the Program/System**

- **Conceptual/Preliminary Design**
- **Detail Design/Development**
- **Production/Construction**
- **System Use/Support/Phase-out**

Traditional source of the lion’s share of system cost

**Impact of COTS**
- Less Design
- Less Schedule
- Modularity & Scalability

**Logistics Savings**  
20-35 Years

**MFOP Savings Opportunity**
- Tech Refresh
- Training
- Maintenance
- Supply Support

*MFOP - Eliminates maintenance and the need for associated support while aligning logistics actions with preplanned COTS Technology Refresh and Insertion for improved Operational Availability.*