

Joint Strike Fighter

LOCKHEED MARTIN





JSF Autonomic Logistics System

Highly Supportable Aircraft

- Reliable Design
- Prognostics and Health Management
- Remove/Replace (R/R) Maintenance

Training System

- Pilot Embedded Training
- On Demand Maintenance Training
- Air Vehicle Software Reuse
- Integrated Training



Support System

- Maintenance Support
- Supply Chain Management
- Support Equipment
- Joint-Service Tech Data
- Sustaining Engineering
- 24/7 Help Desk

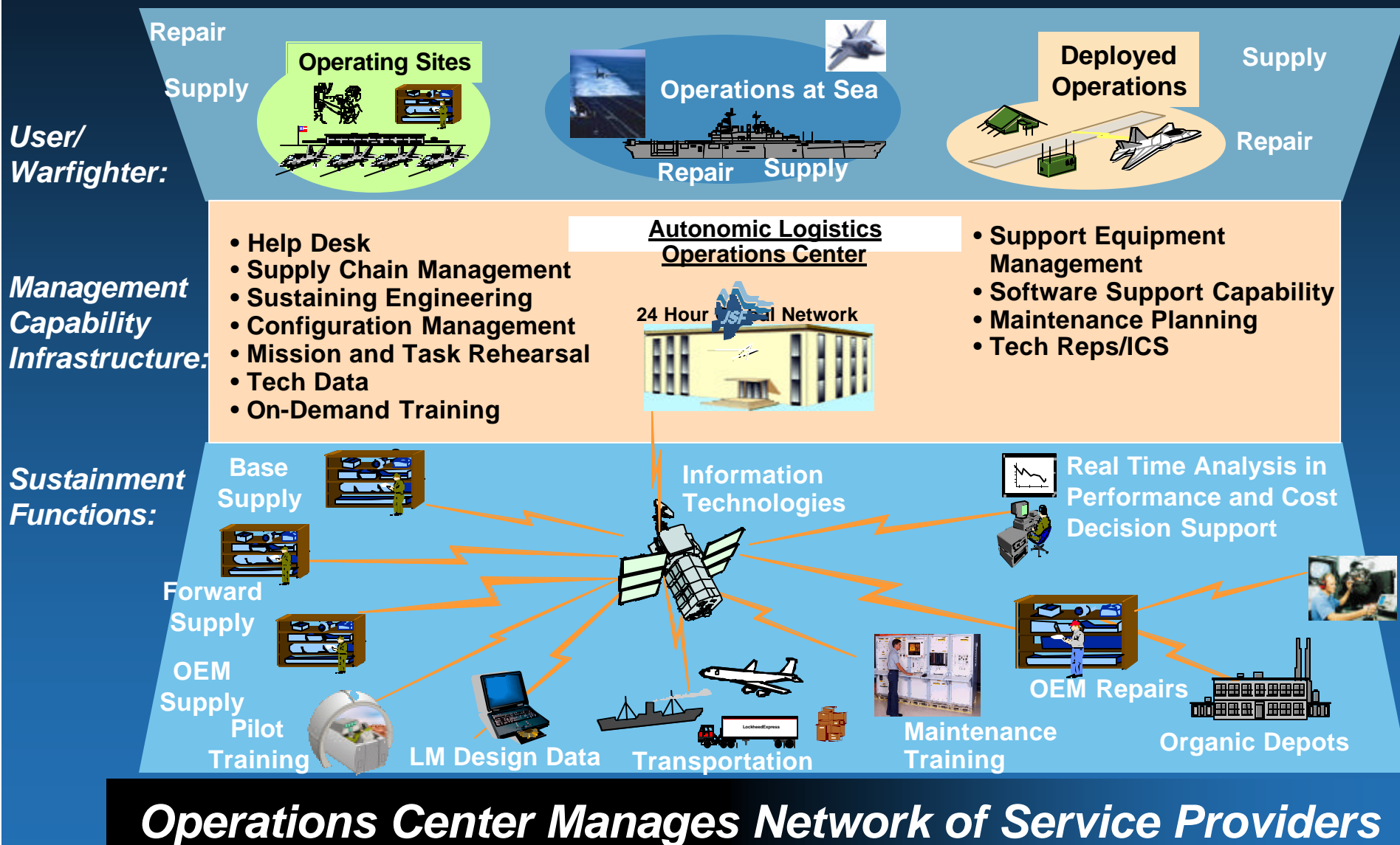
Autonomic Logistics Information System

- Distributed Information System
- Elements include
 - Support Services
 - Training Services
 - Mission Support Services

Autonomic Logistics Provides Order Of Magnitude O&S Savings

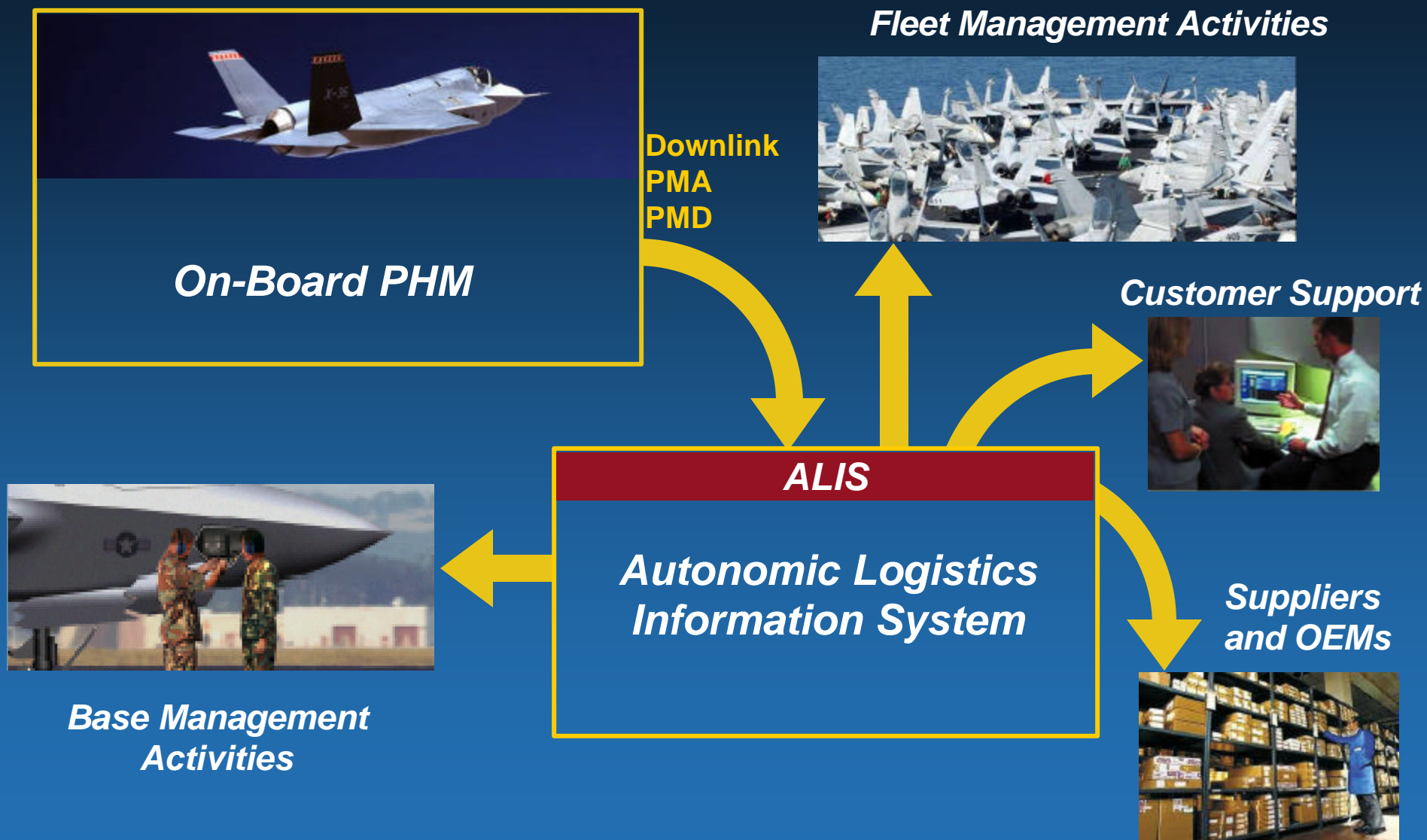


AL Operations Concept



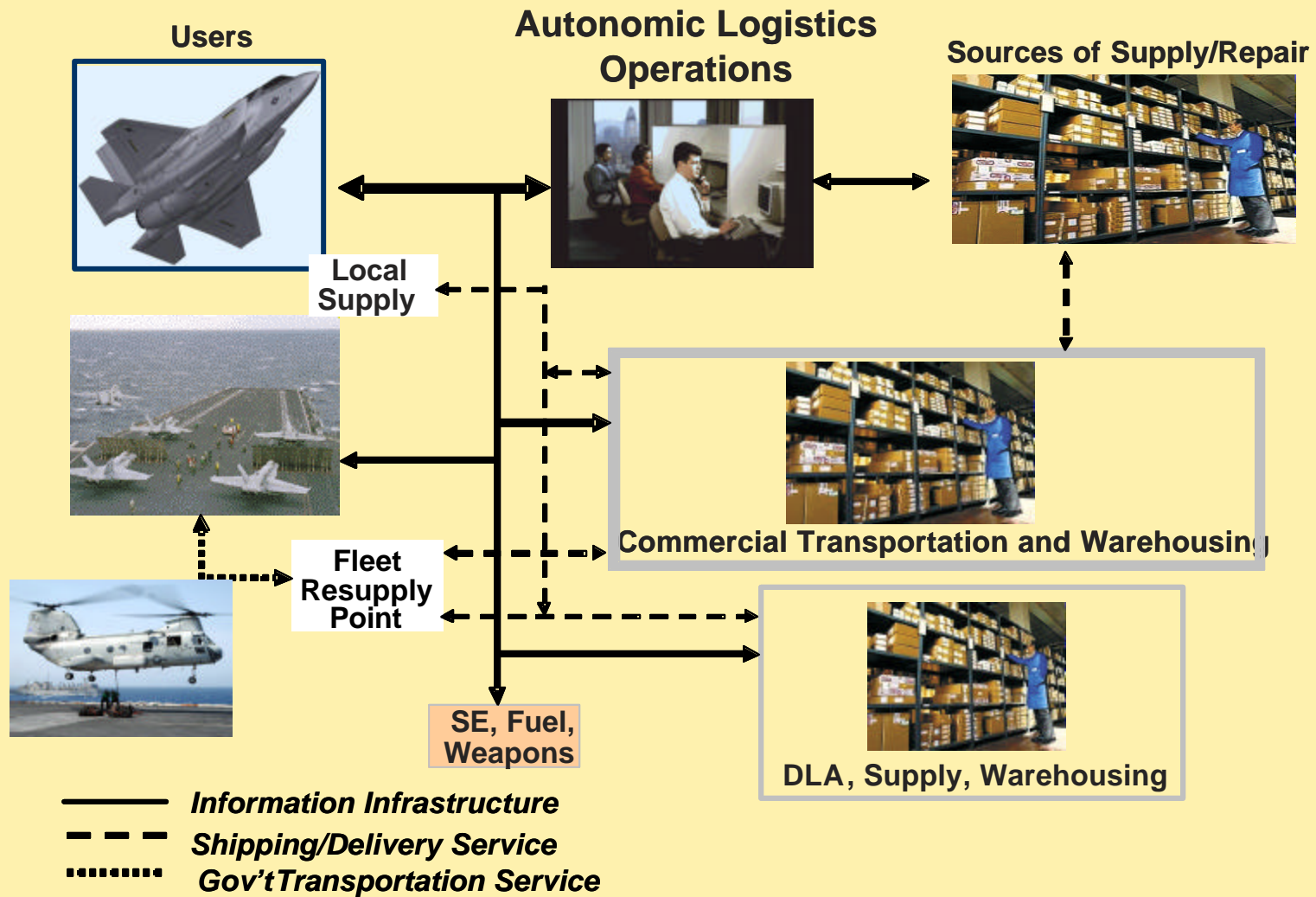


ALIS – An Enabler of Total Life Cycle System Management



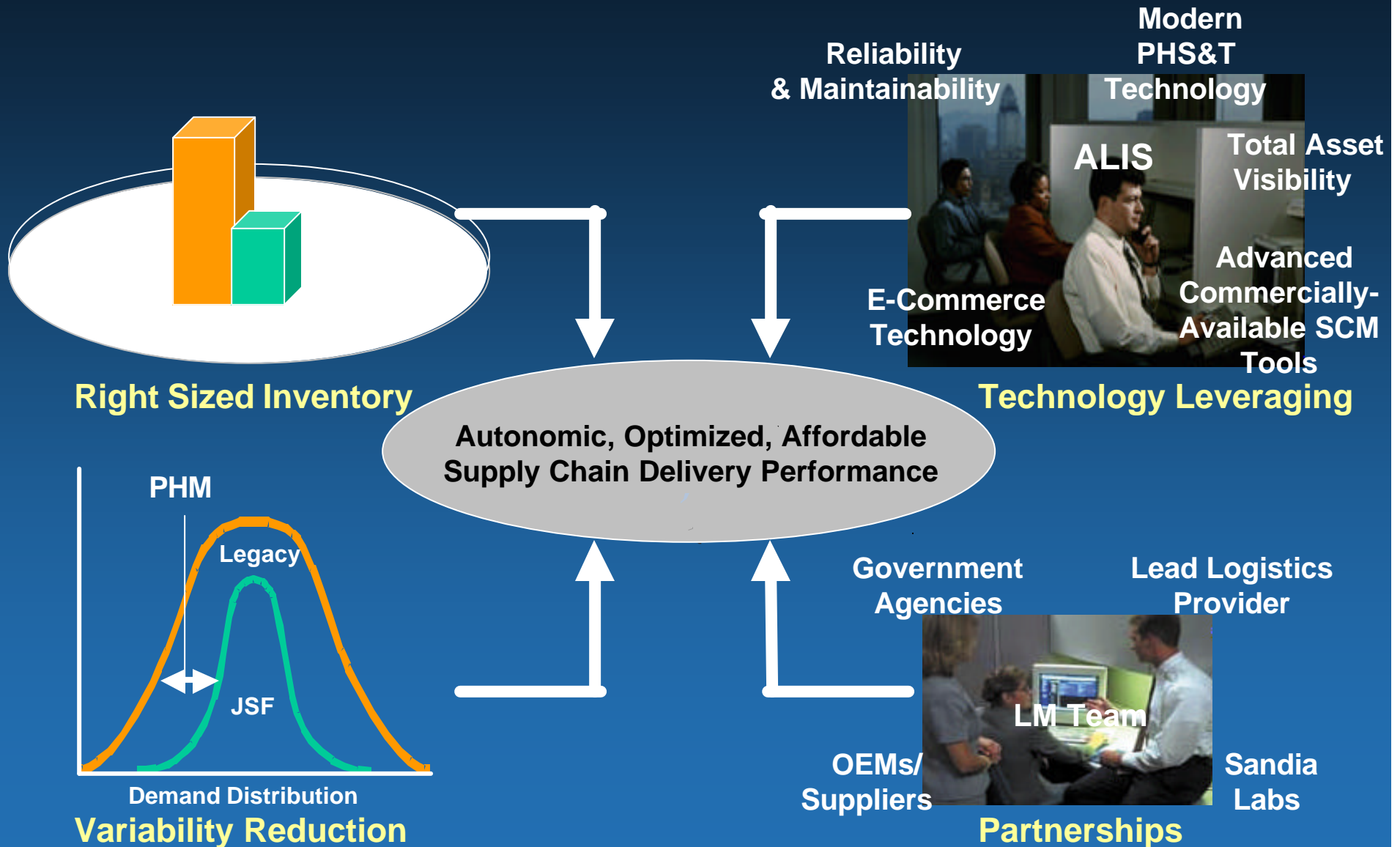


Supply Chain Management Infrastructure





Supply Chain Management Key Concepts





Key Supply Chain Management Features

- **Total Asset Visibility for Supply Chain**
- **Agile supply chain philosophy**
 - *Driven by aircraft availability requirements*
 - *Demand volume decreases and stabilizes due to*
 - Increasing reliability
 - Prognostics capability
 - Modern forecasting tools
- **Single supply chain with centralized inventory management**
- **A common pool of spare parts across service lines**
 - *86% Commonality of spares among the three aircraft variants*

We Sell a Guaranteed Service, Not Spares



Lead Logistics Provider

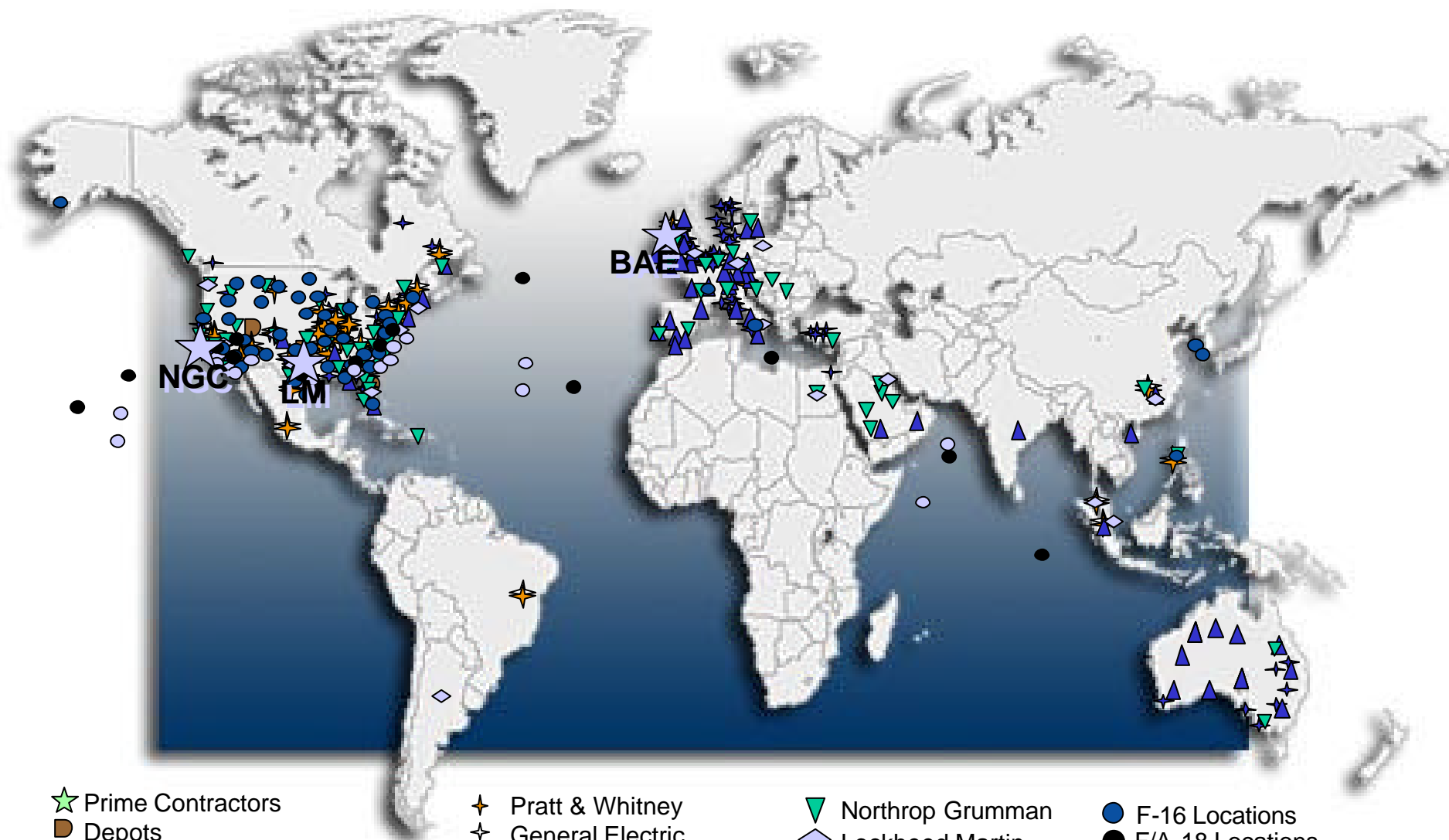
- **Competitive subcontract for**
 - *Inventory Management*
 - *Distribution*
 - *Transportation*
 - *Information Technology Integration*
 - *Responsibility for time-definite deliveries*
- **We retain**
 - *Long-range simulation and forecasting*
 - *Vendor selection*
 - *Performance monitoring*
 - *Insight and knowledge to manage and improve the supply chain*

A Synergy of Core Competencies



LM JSF Team Program Information
Non-technical Data for ITAR

F-35 Management Across The Globe



- ★ Prime Contractors
- Depots
- ★ OEMs

- ★ Pratt & Whitney
- ★ General Electric
- ▲ BAE

- ▼ Northrop Grumman
- ◆ Lockheed Martin

- F-16 Locations
- F/A-18 Locations
- AV-8B Locations

LM JSF Team Program Information
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JSF VISION



**Be the model acquisition program for joint service
and international cooperation**

Develop and produce an **affordable next generation
strike fighter weapon system and sustain it worldwide**