



F-35 Lightning II Maintenance Training & Distance Support

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VISION

DELIVER AND SUSTAIN
THE MOST ADVANCED, **AFFORDABLE** STRIKE FIGHTER AIRCRAFT TO
PROTECT FUTURE GENERATIONS WORLDWIDE.

MISSION STATEMENT

BE THE MODEL ACQUISITION PROGRAM FOR JOINT SERVICE AND
INTERNATIONAL COOPERATION.
DELIVER TO OUR WAR FIGHTERS AN **AFFORDABLE** AND EFFECTIVE
NEXT GENERATION STRIKE FIGHTER WEAPON SYSTEM AND SUSTAIN
IT WORLDWIDE.



JSF – Air System View

Interoperability



CV



CTOL



STOVL



**P&W F135
GE/RR F136**



3 Services



**8 International
Partners**



**2 Security Cooperation
Participants**



Global Sustainment



**Domestic / International
Suppliers**



**Autonomic
Logistics**



**3 Flight Test
Facilities**

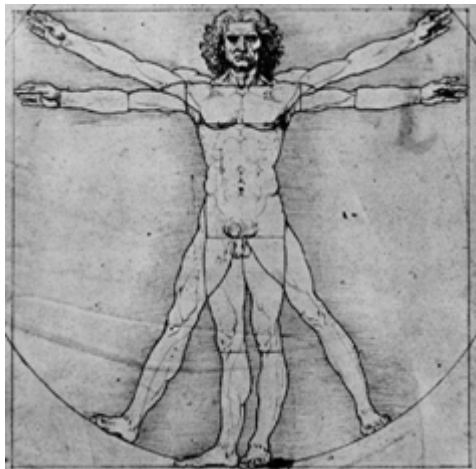


**Integrated
Training**

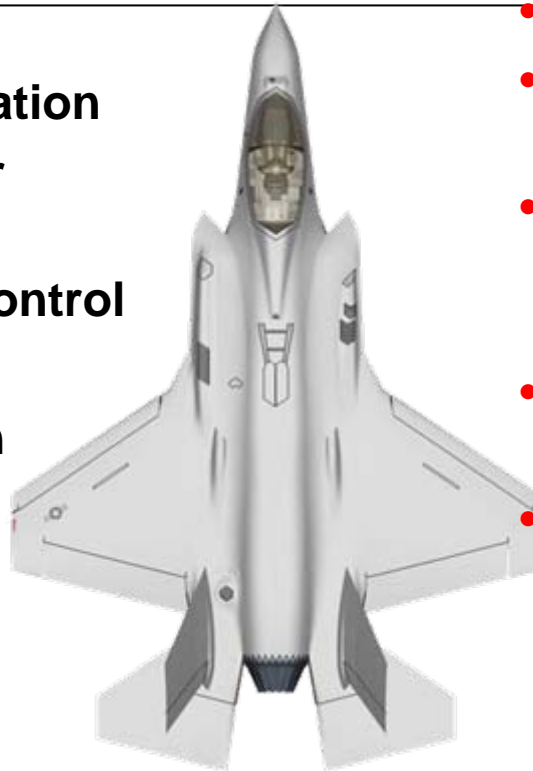




What is Autonomic?



- Visual Accommodation
- Blood sugar balance
- Heart rate control
- Respiration
- Perspiration
- Digestion



- Failure analysis
- System health monitoring
- System status and health transmission
- In-flight system service re-routing
- Post flight services ordered prior to landing
 - Correct repair parts
 - Support Equipment
 - Fuel
 - Weapons
 - Trained maintainers

Similar to your body's autonomic system -

Autonomic Logistics facilitates critical behind-the-scenes monitoring, prognostics and maintenance to support the F-35 and ensure its continued health



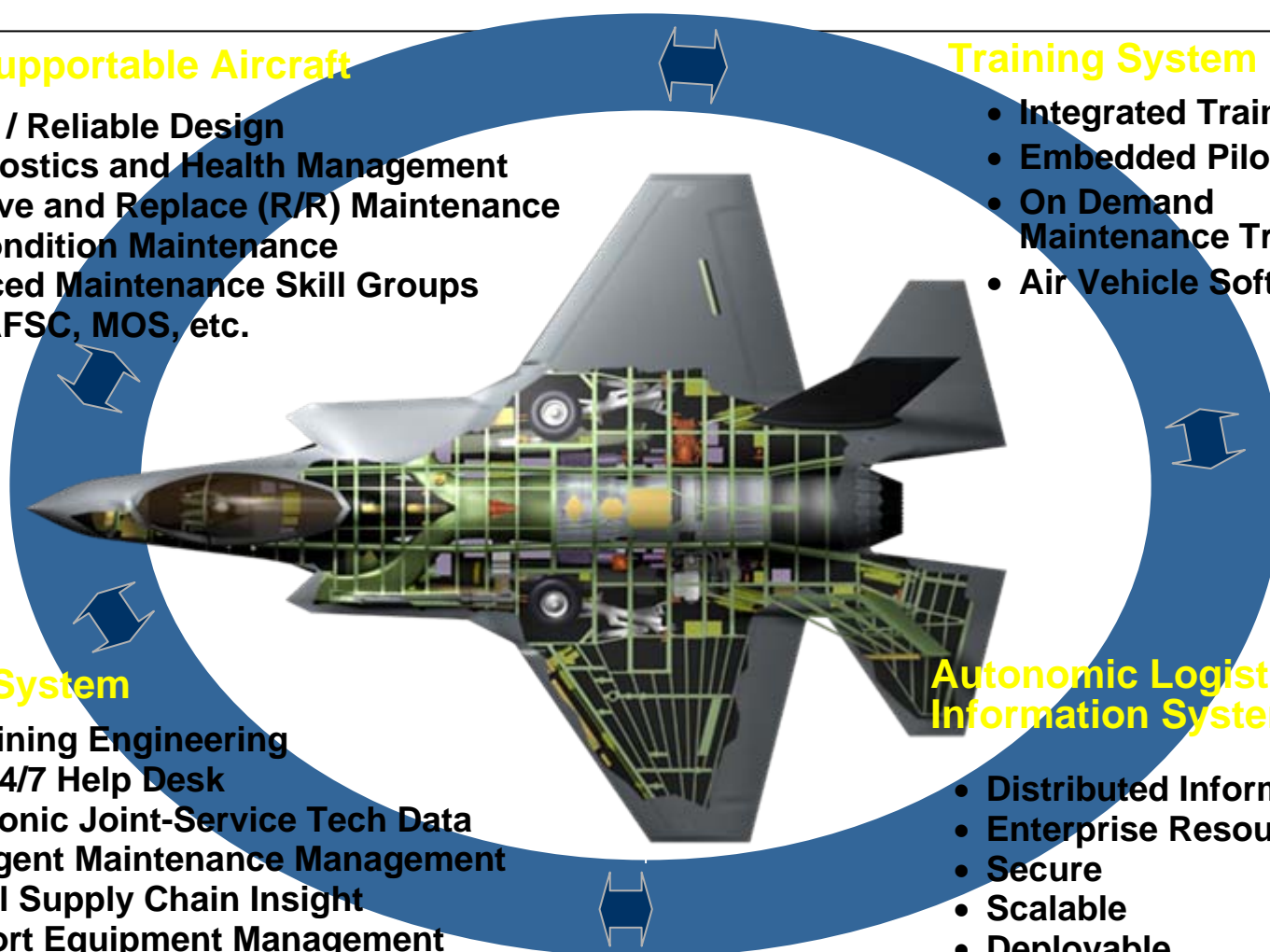
JSF Autonomic Logistics System

Highly Supportable Aircraft

- Smart / Reliable Design
- Prognostics and Health Management
- Remove and Replace (R/R) Maintenance
- On Condition Maintenance
- Reduced Maintenance Skill Groups
 - AFSC, MOS, etc.

Training System

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



Support System

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

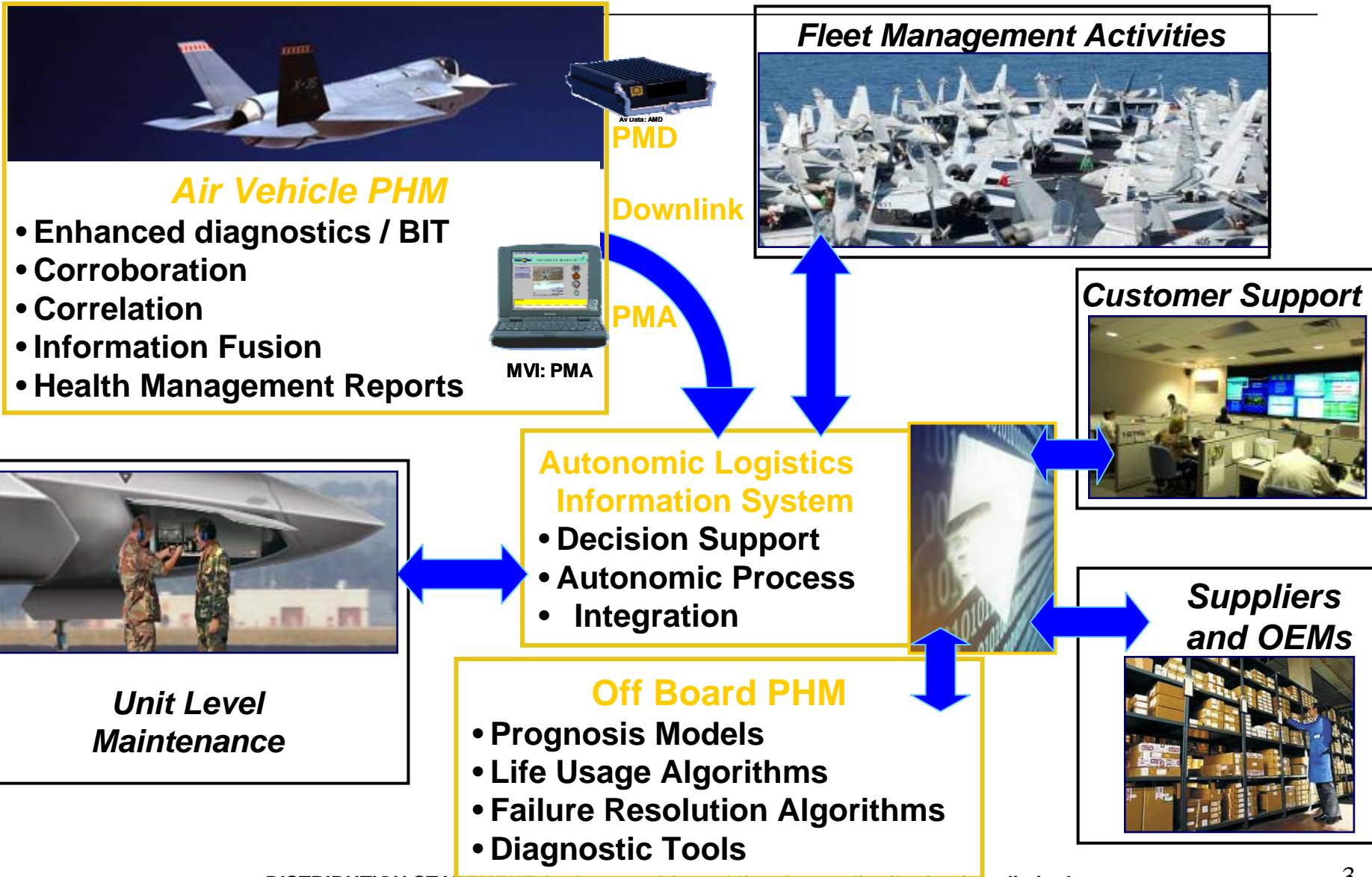
Autonomic Logistics Information System

- Distributed Information System
- Enterprise Resource Solution
- Secure
- Scalable
- Deployable

Autonomic logistics targets O&S savings



Prognostics Health Management

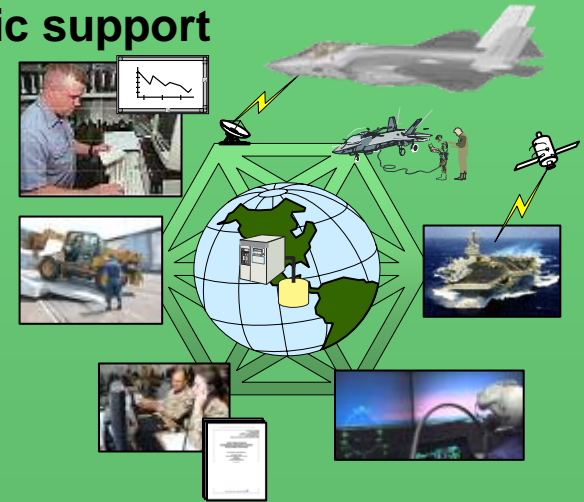




JSF ALIS Capabilities

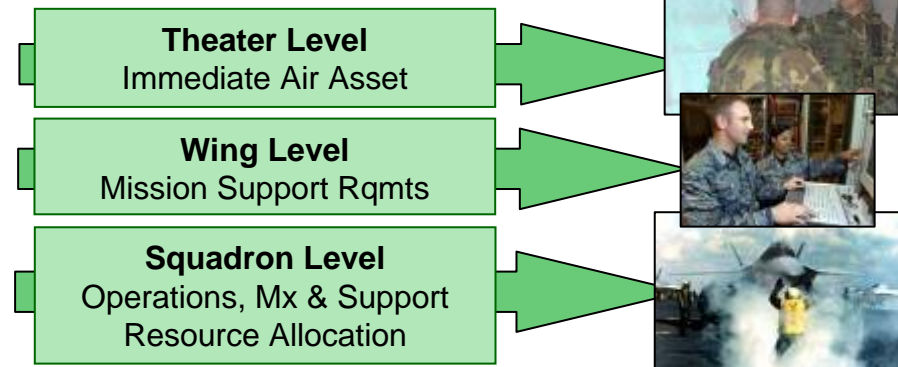
ALIS consists of the system, application and network infrastructures required to provide global integrated and autonomic support

- **Single, Secure Information Environment**
- **Distributed Network Based on Web Technologies**
- **Capabilities Integrate Broad Range of Disciplines**
 - Operations
 - Maintenance
 - Supply Chain
 - Customer Support Services
 - Training
 - Tech Data
 - External Interfaces



Functionality Focused on Enhancing Operations and Support

- Decision Support
- Autonomic Process Integration



“Provide All Information To Support Operations and Maintenance at Any Basing Location”



Training System

Integrated Training Center

- Flying Syllabus
- Advanced Simulation Systems
- Interactive Multimedia Instruction
- Electronically Mediated Lecture

Electronic Classrooms



Computer Resource Centers



Advanced Simulation



Service Training Squadrons



- Service-Unique Training
- Tactics/Weapons
- Embedded Training

Operational and Deployed



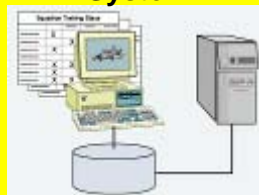
- Pilot Mission Rehearsal
- Maintainer Task Rehearsal
- Distributed Mission Training
- Web Based on Demand CBT
- Continuation Training
- Embedded Training



Deployed/On-Demand Training

- Deployable Mission Rehearsal Trainer
- Distributed Learning
- Full Access to All JSF Courseware

Training Infrastructure System



Distributed Management Records, Courseware, Software, Tech Data, Configurations

Pilot Entry Criteria

- T-38
- T-45
- Fighter Qualified

Maintainers Entry Criteria

- A School
- Tech School
- Previously Qualified Tech

ALIS Connectivity

“Continuous Learning Environment”



Questions and Answers



Training Infrastructure System (TIS) IPT Products

LM Aero

