



International Space Station

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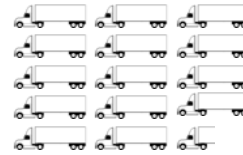
August 13, 2009



International Space Station (ISS) Program Integration across many systems and sources

About 2.5 Million Lines of Software at Completion

1,000,000 lbs. of Hardware On-Orbit at Completion

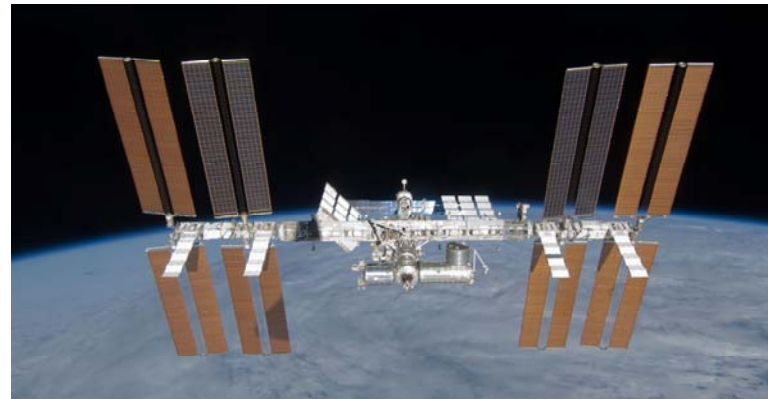
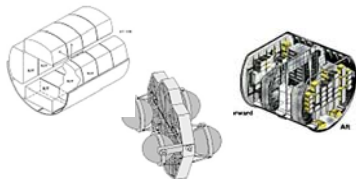


14.5 Fully Loaded Trucks

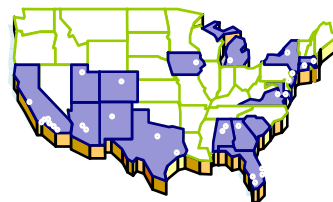
Five Types of Vehicles



10+ Types of Shuttle Carriers



>40 Major Suppliers from >20 States

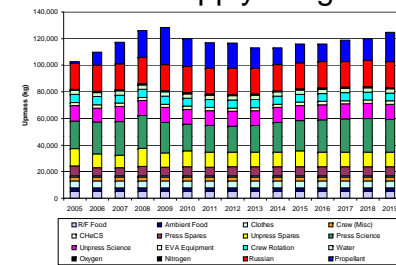


15 Nations

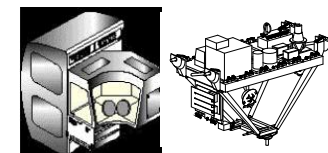


Russian and US Control Centers

100,000+ Lbs./Year of Resupply Cargo



Over 100 Experiments active for Expedition Twenty

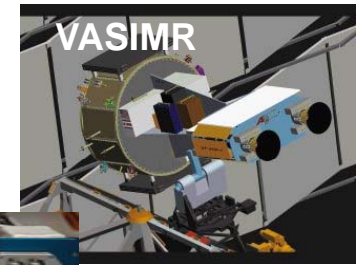


Flexible hardware and software design enables diverse utilization

Transitioning from Construction to Utilization

National Laboratory Opportunities

- A test bed for engineering research & technology demonstrations and proof of concept
 - Offers accessible, long-duration exposure to the unique environment of space
- A laboratory for biological research investigating potential vaccines for the prevention of different infectious diseases
 - Basic biological and behavioral mechanisms in the absence of gravity
- A unique advantage point for Earth observation
- Microgravity environment for plant genesis experimentation studying changes in cell structure and growth/development
 - Research on gene-tailoring candidate plants for sustainable biofuels



Transitioning from Construction to Utilization

A Multinational Test Bed for Exploration

