MD-900 EXPLORER UTILITY HELICOPTER (NOTAR)

.CARGO DELIVERY
TO OIL RIGS, REMOTE
DRILLING SITES
. CORPORATE DELIVERY
OF HIGH PRIORITY
DATA, PACKAGES,
PARTS
. SMALL PACKAGE
DELIVERY WAS A
DESIGN CONSIDERATION



MD-900 CARGO CAPACITY



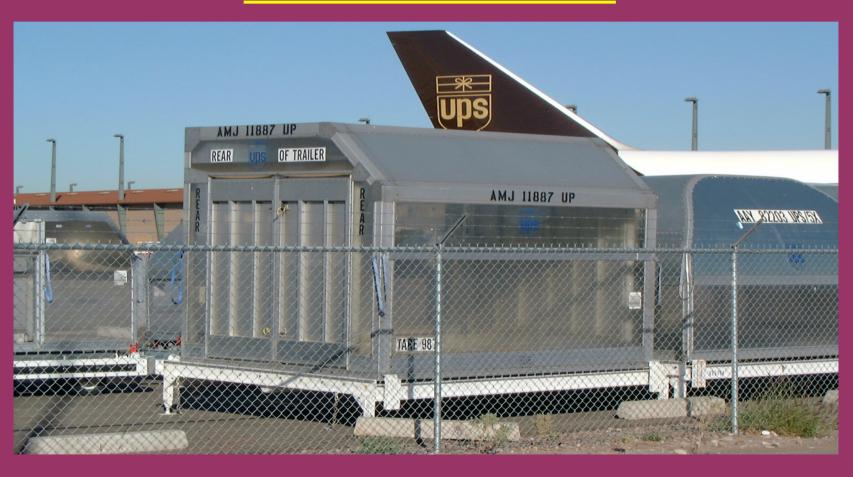
FEDEX LD-3s AWAITING LOADING



FEDEX PARETO ANALYSIS OF "DELIVERY FAILURES"

- PERCENT OF PACKAGES <u>NOT BEING</u>
 <u>DELIVERED BY "10 AM NEXT DAY"</u> WAS
 ANALYZED (e.g. 1 1/2%)
- EACH FACTOR ANALYZED (WRONG
- ZIPCODE, ROUTING MISTAKES, LOST PACKAGES, ETC.
- A FEDEX V.P. WAS ASSIGNED TO ELIMINATE EACH FAILURE CAUSE
- THE <u>"SEE THROUGH"</u> CONTAINER WAS THE SOLUTION TO SMALL PACKAGES "LOST" IN THE BOTTOM OF CONTAINERS!!

"SEE-THROUGH" CONTAINERS



FEDEX "VIRTUAL INVENTORY SYSTEM"

- PIONEERED <u>SOFTWARE</u> TO PROVIDE "<u>SEAMLESS</u>" <u>INTERFACE</u> FROM:
- PRODUCT DESIGN
- ORDER PLACEMENT
- RAW MATERIAL P/U & DELIVERY
- FINISHED PRODUCT PICK-UP &
- DELIVERY TO END CUSTOMER

 FEDEX PROVIDES ALL PICK-UPS AND
 DELIVERIES WORLD-WIDE

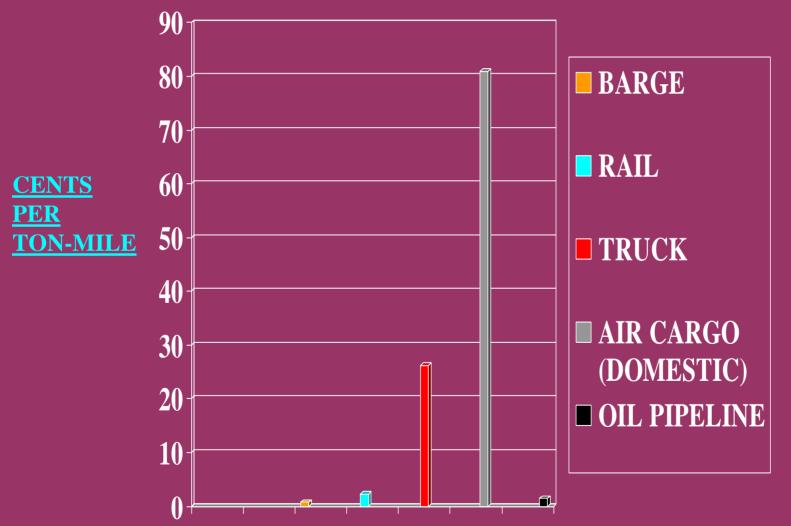
COMPANY CAN OPERATE WITH ZERO INVENTORY!!!

FEDEX: SUPPLY CHAIN SOLUTIONS

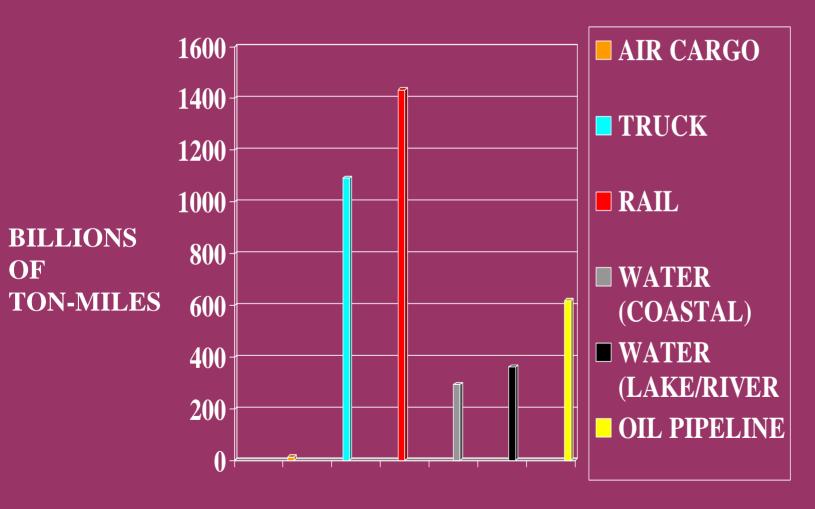
- PROVIDE <u>WAREHOUSING</u> AT <u>MEMPHIS</u> FOR CUSTOMERS
 WANTING TO OFFER 1 or 2 DAY
 DELIVERY OF CRITICAL ITEMS
 WORLD-WIDE (CATERPILLER TRACTOR)
- OFFER CUSTOMS BROKERAGE,
 INTERNATIONAL OCEAN FREIGHT
 FORWARDING, TRADE FACILITATION

WHERE IS THE MARKET FOR AIR CARGO EXPECTED TO GO?

AVERAGE FREIGHT REVENUE PER TON MILE

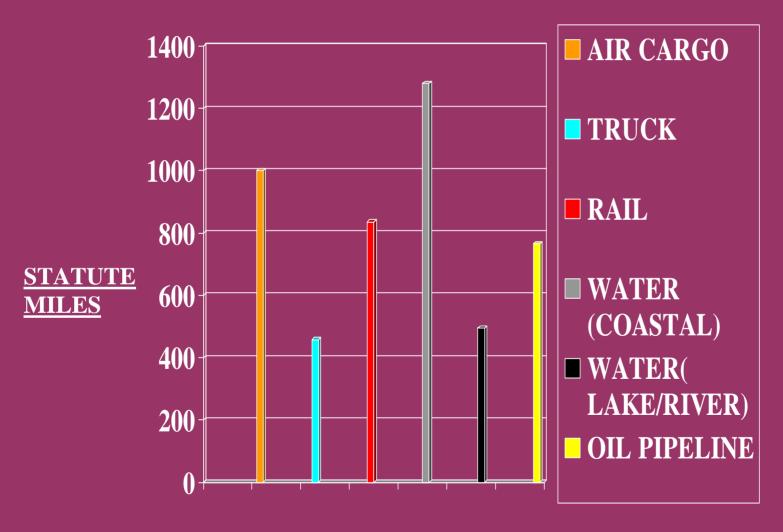


U.S.TON-MILES OF FREIGHT

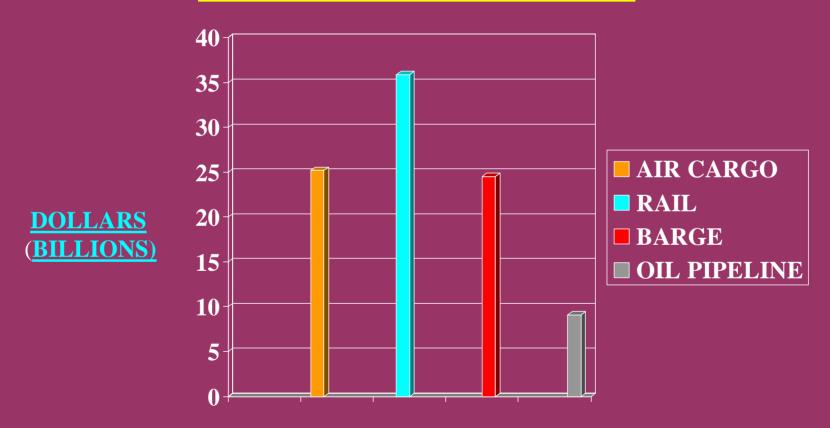


AVERAGE LENGTH OF HAUL

DOMESTIC FREIGHT



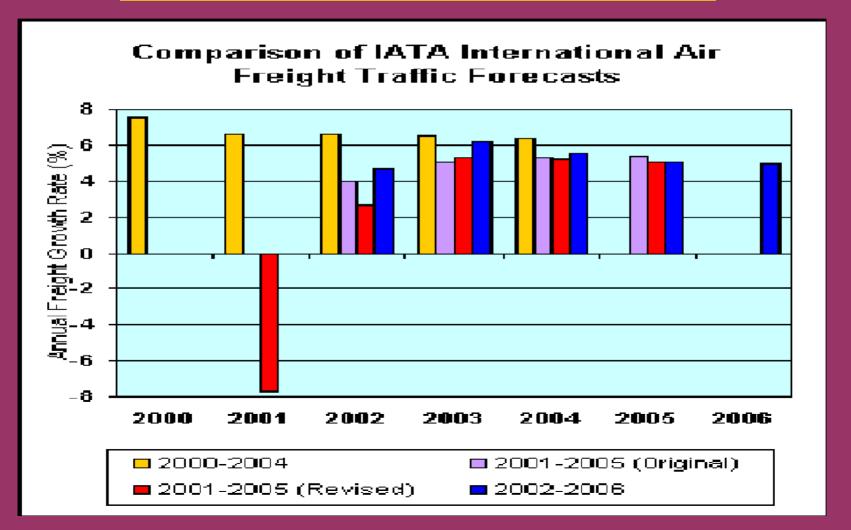
TOTAL U.S. FREIGHT EXPENDITURES



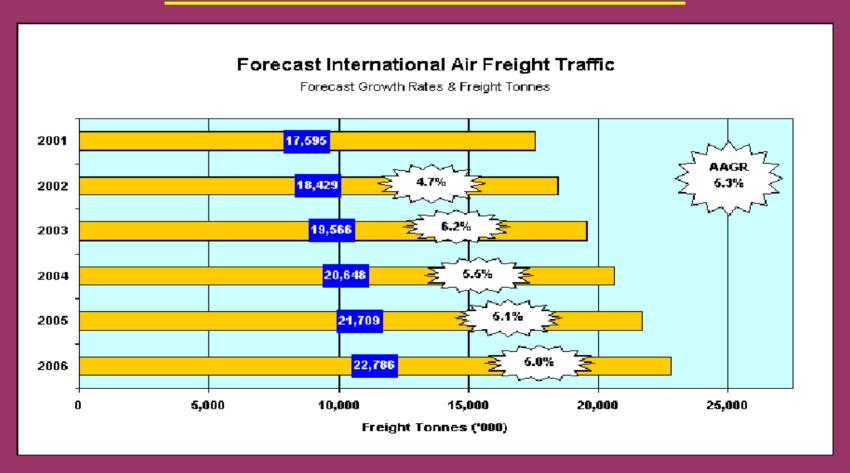
NOTES: 1.INCLUDES INFRASTRUCTURE COSTS, TAXES, SUBSIDIES, AMTRAK

SOURCE: "TRANSPORTATIN IN AMERICA-2000", 2001

IATA INTERNATIONAL AIR FREIGHT FORECASTS



INTERNATIONAL AIR CARGO FORECAST



ICAO AIR CARGO FORECAST FOR THE YEAR 2010

WORLDWIDE

	ACTUAL	ACTUAL	FORECAST	AVERAGE GROWTH RATE	
	<u>1989</u>	<u>1999</u>	<u>2010</u>	<u>1989-</u> <u>1999</u>	<u>1999-</u> <u>2010</u>
FREIGHT TONNE - KM - MILLIONS	57,215	108,043	202,650	6.6%	6.0%
NOTE: EXCLUDES CIS SOURCE: ICAO FORECAST (2002)					

ICAO REGIONAL FORECAST OF AIR CARGO FOR 2010

(FREIGHT TONNE –KILOMETRES IN MILLIONS)

	<u>1989</u>	<u>1999</u>	<u>FORECAST</u> <u>2010</u>	RATE 0F GROWTH 1989-1999	RATE OF GROWTH 1999-2010
AFRICA	1,176	19,693	3440	5.3%	5.0%
ASIA-	15,634	37,564	83,000	9.2%	7.5%
PACIFIC					
EUROPE	19,246	31,193	52,120	4.9%	4.5%
LATIN	2626	4221	6950	4.9%	4.5%
AMERICA					
NORTH	15,962	29,028	51,000	6.2%	5.0%
AMERICA					
<u>SOURCE</u> : ICAO 2010 FORECAST					

OUTLOOK FOR AIR CARGO

- WORLD <u>AIRLINE PAX TRAFFIC</u> FORECAST TO GROW <u>1999-2010</u> @ 4.5%
- WORLD <u>AIR FREIGHT</u> GROWTH <u>1999-2010</u> FORECAST @ 6.0%
- . <u>ASIA-PACIFIC REGION</u> EXPECTED TO DOMINATE AIR FREIGHT GROWTH MARKET
- . <u>UNIT COSTS</u> (OPÉRATING COST PER AVAILABLE TONNE-KILOMETERS) (ATK) <u>DECLINED</u> AT AN AVERAGE <u>ANNUAL RATE</u> OF 3.0% FOR PERIOD 1960-1999)

LARGER, MORE EFFICIENT FREIGHTERS ARE MAKING AIR FREIGHT MORE COMPETITIVE!

CONCLUSIONS

- AIR CARGO MARKET IS TIED TO WORLD GDP; ALMOST A LEADING ECONOMIC INDICATOR
- <u>USED</u> PAX AIRCRAFT CONVERTED TO FREIGHTERS ARE <u>COST-EFFECTIVE!</u>
- CORPORATE FOCUS ON <u>"LEAN"</u> HAS

 DRIVEN INTERNATIONAL AIR CARGO

 GROWTH
- AIR CARGO IS <u>RAPIDLY GROWING NICHE</u> IN TOTAL CARGO MARKET!!!