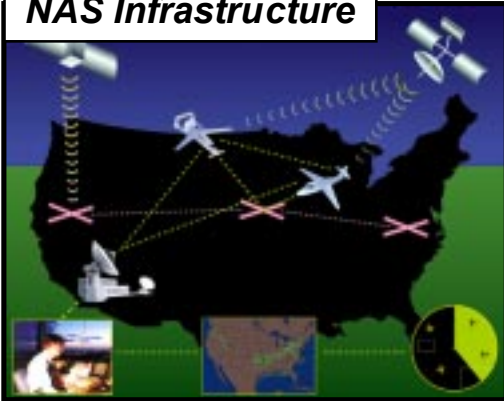


Technical Approach/Objectives (With Augmentation)

NAS Infrastructure



- “Smart” Airports (Mini-LAAS, Datalink FIS, TIS, Airport Databus/CIS Standards)
- ADS-B-based EnRoute & Terminal Free Flight at non-towered, non-radar airports
- “Virtual” TerPs
- Satellite-based Comm-Nav-Surveillance

Single-Crew Flight Deck Systems & Operations



- Decoupled controls
- Envelop protection
- Ride quality
- Affordable software certification
- Virtual Highways in the Sky/Electronic VFR
- Satcomm data radios

Pilot Training

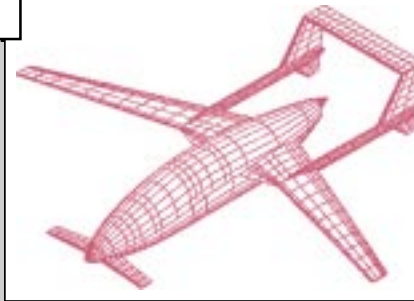


- Onboard Cyber-Tutor
- InterNet Training
- 50% savings in time and cost

**Close the 21st Century
Transportation Demand-Supply
Gap**

Airframe Systems

- <\$30 per lb. composites, assembled
- Optimized ice, lightning, & crash protection
- Aerodynamics for performance and cost



Propulsion Systems

- <<\$50,000 Turbine
- <\$15,000 Compr.-Ignition
- Quieter propulsion
- Non-hydrocarbon options