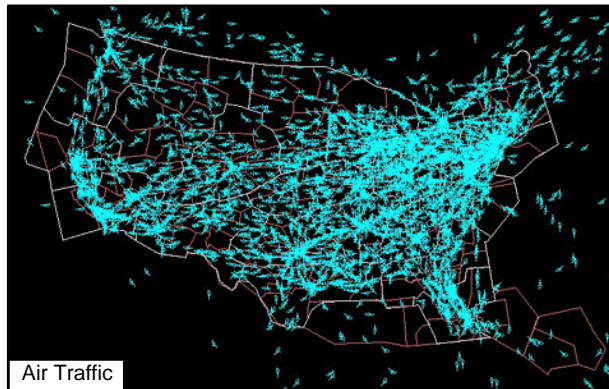
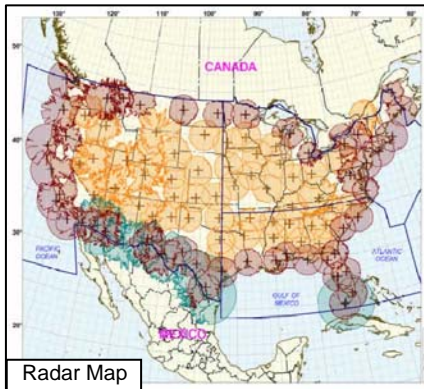


NextGen & ADS-B Defined

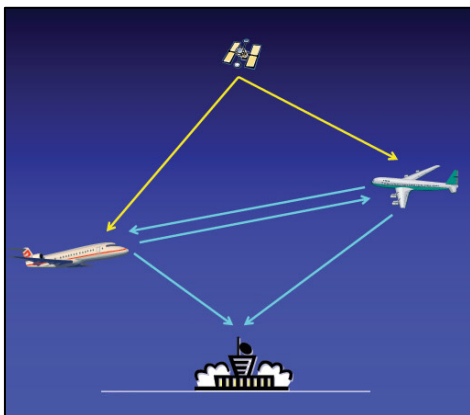
➔ What does NextGen and ADS-B mean to you?



Today's Air Traffic Control Radar Systems

The amount of airline passengers is expected to increase to 1 billion by 2021. The FAA air traffic control (ATC) system has not been significantly updated for nearly 30 years. Many flight delays and cancellations can be attributed to the current air traffic control system. These difficulties cost the airlines millions of dollars in lost revenue and can make the airline travel experience very unpleasant.

The Next Generation air traffic control system (or NextGen) greatly improves how aircraft are tracked. Instead of relying on original ground-based radar systems, NextGen will utilize GPS technology called ADS-B (automatic dependant surveillance broadcast). The current radar tracking system means that aircraft must fly non-linear routes to stay in radar areas. With ADS-B, aircraft can fly straighter, shorter routes. Airlines can save on fuel while passengers save on travel time. This could eventually mean lower airfares.



NextGen / ADS-B

The cost to implement ADS-B is estimated at \$22 billion. The logistics for its implementation are complex and there are many critics of the plan.

However, it is difficult to ignore the ultimate benefits:

NextGen ADS-B =

Straighter air routes = Shorter flights = Fuel savings + More flights available