

# Four Generations of Jet



Caravelle

## Early Commercial Jets

From 1952

Dials and gauges in cockpit, Early auto-flight systems.  
Comet, Caravelle, BAC-111, Trident, VC-10, B707, B720, DC-8, Convair 880/990

Generation 1



A300

## More Integrated Auto-Flight

From 1964

More elaborate auto-pilot and auto-throttle systems.  
Concorde, A300, Mercure, F28, BAe146, VFW 614, B727, B737-100/-200, B747-100/-200/-300/SP, L-1011, DC-9, DC-10

Generation 2



A300-600

## Glass Cockpit & FMS

From 1980

Electronic cockpit displays, improved navigation performance and Terrain Avoidance Systems, to reduce CFIT accidents.  
A300-600, A310, Avro RJ, F70, F100, B717, B737 Classic & NG/MAX, B757, B767, B747-400/-8, Bombardier CRJ, Embraer ERJ, MD-11, MD-80, MD-90

Generation 3



A320

## Fly-By-Wire

From 1988

Fly-By-Wire technology enabled flight envelope protection to reduce LOC-I accidents.  
A220, A318/A319/A320/A321, A330, A340, A350, A380, B777, B787, C919, Embraer E-Jets, Sukhoi Superjet

Generation 4