**Supply Chain:**

While the world-wide COVID-19 pandemic has passed, the effects on the aerospace industry linger. During the pandemic, airlines were faced with sharply reduced passenger volumes, OEM constructors reduced their manufacturing tempo and avionics OEMs paused production. This disruption in the supply chain has had far-reaching effects on the industry.

As passenger volumes have largely returned to pre-pandemic levels, OEM constructors are faced with shortages due to the ongoing supply chain issues. This has delayed the delivery of new aircraft, disrupted the supply of materiel needed for MRO and repair activities and …

**Technology Trends:**

1. Commercial aircraft (airline)
   1. Keeping modern aircraft longer
   2. Supplier investment in OEM constructor programs
   3. SFE/BFE
      1. More SFE less BFE
      2. Greater standardization in the cockpit/avionics
      3. Avionics are fully integrated into the aircraft and systems
2. Business aircraft
   1. Cockpit standardizing within models
   2. Bespoke interiors, passenger connectivity: all behind the cockpit door
   3. Reduced supplier base – Garmin moving up in aircraft size, Thales, Honeywell “heavy iron”
3. Avionic Supplier consolidation
4. PBN
   1. North Atlantic
   2. Maastricht / France / EU strategy
5. CPDLC
6. GPS Spoofing
7. Clear air turbulence
8. Single pilot cargo operations
9. EFBs
10. Military procurement
    1. Military buys program
    2. Commercial buys programs
11. B737 Max Influence
    1. External certification
    2. FAA Oversight

**Supplier upgrade programs**