

NextGen Transformation

From...  *To...*

Ground-Based Navigation and Surveillance

Voice Radio Control

Disconnected Information Systems

Human-Centric Air Traffic Control

Fragmented Weather Forecasting

Visibility Limited Airfield Parameters

Forensic Safety System

Inefficient Security Screening

Current Aircraft Environmental Footprint

Satellite-Based Navigation and Surveillance

Digital Data Exchange

Net-Centric Information Access

Automation Assisted Air Traffic Management

Probabilistic Weather Decision Tools

Equivalent Visual Operations

Prognostic Safety System

Integrated Security Risk Management

Reduced Aircraft Environmental Footprint