

A Synergic Journey to the Future Aviation Ecosystem

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The future aviation ecosystem

- **Integrated** – airspace system harmonized by diverse users (mixed mode) and service providers (cross border)
- **Connected** – seamless point-to-point flight experiences enabled by full connectivity of data and information
- **Automated** – advanced technologies in airspace management and highly skilled industry talent
- **Balanced** – a cleaner, quieter and “greater” sky with maximized capacity and productivity for diverse user demands
- ...

The challenges on our journey

Consistency

Balancing safety leadership with speed of innovation

Lack of cooperation and integration

A fragmented sky

Adaptability

Risk-sensitive and legacy mindsets

Lack of trust in technology

Caving out a role for humans

Sustainability

Future talent gap

Inconsistent approach to sustainability

Price tag of change



Automation

Tactical and routine tasks are managed by systems

End-to-End

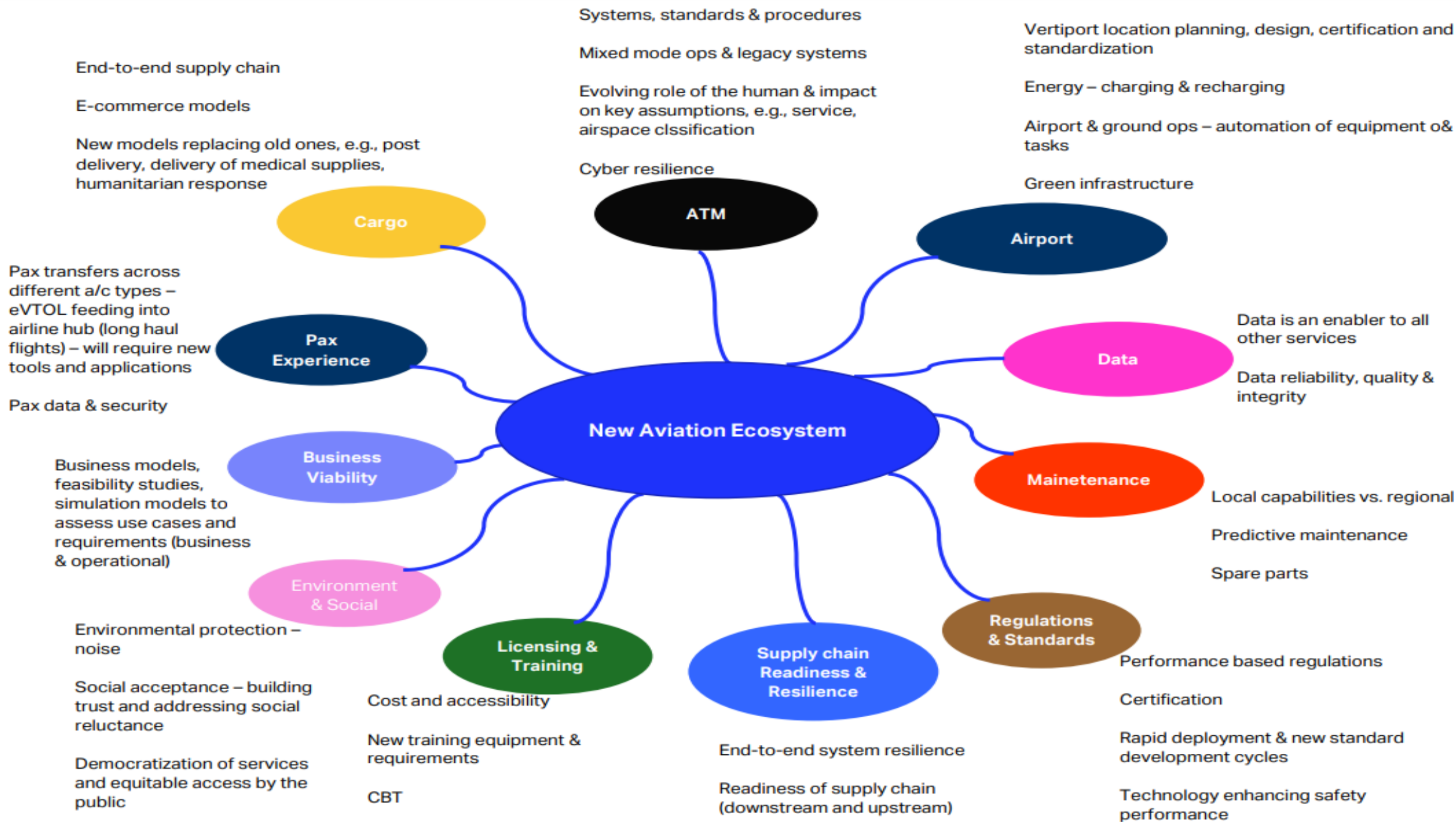
Travel journey is not airport-to-airport but door-to-door

Sustainable

New energy and new / smarter infrastructure

Airline Focus Areas

- Regulations
- Customer experience
- Airport and vertiports design and ground operations
- Airspace and traffic management
- Skilled staff and training

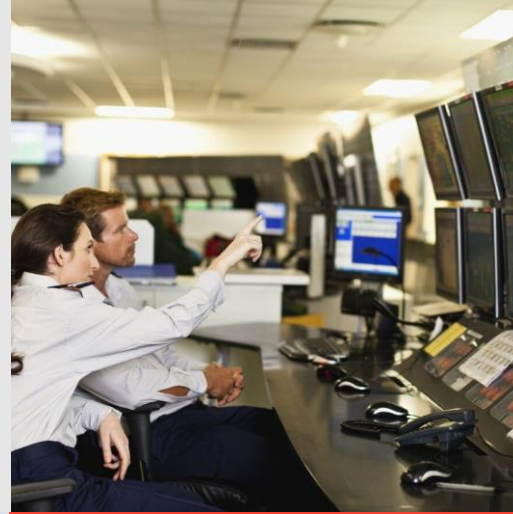


Building Blocks

**Service and
Service
Delivery**



**Environmental
Sustainability
and Social
Impact**



**Data and
Security**

**Technology
and Digitization**

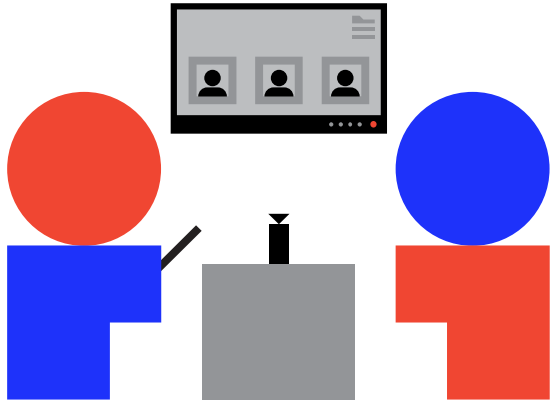
**Safety and
Regulation**



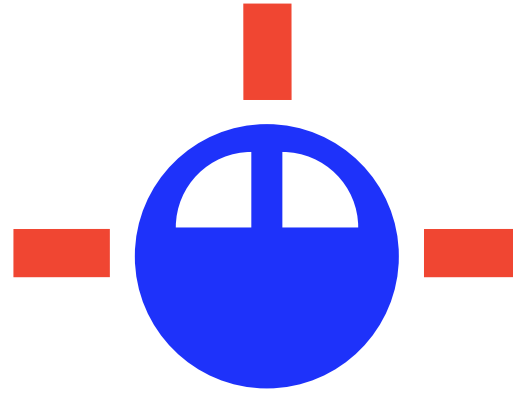
**Airspace
Design and
Classification**

**People,
Organization
and Talent**

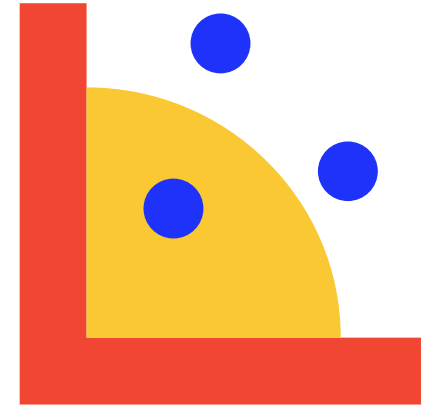
Airlines' contribution to the journey



Early engagement and consultation with all the stakeholders



Prompt and valuable feedback from airspace users



Economically beneficial to all the parties

IATA: ensure that standards and tools are available for member airlines to operate new and evolving aircraft technologies for the transport of goods and people in a safe, efficient, sustainable, and affordable manner.



Take aways

- Intelligent technologies and information-based concepts will be the enabler of the full connectivity and seamless flight experience.
- Regulatory frameworks and future skills will be the critical path to support the diversified operations.
- Earlier collaboration with all the airspace users and international organizations will facilitate the deployment of innovation and maximize the advantages of the industry.

A low-angle, upward-looking photograph of several modern skyscrapers. The buildings feature glass facades and intricate, geometric metal meshwork. A semi-transparent rectangular box is centered over the image, containing the text "Thank you". In the upper center, a small airplane is visible against a blue sky with light clouds.

Thank you

