



الهيئة العامة للطيران المدني
CIVIL AVIATION AUTHORITY
قطر QATAR



ICAO

MIDANPIRG/22 & RASG-MID/12

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Cleared for Takeoff:
The Introduction of SAF in Saudi Arabia



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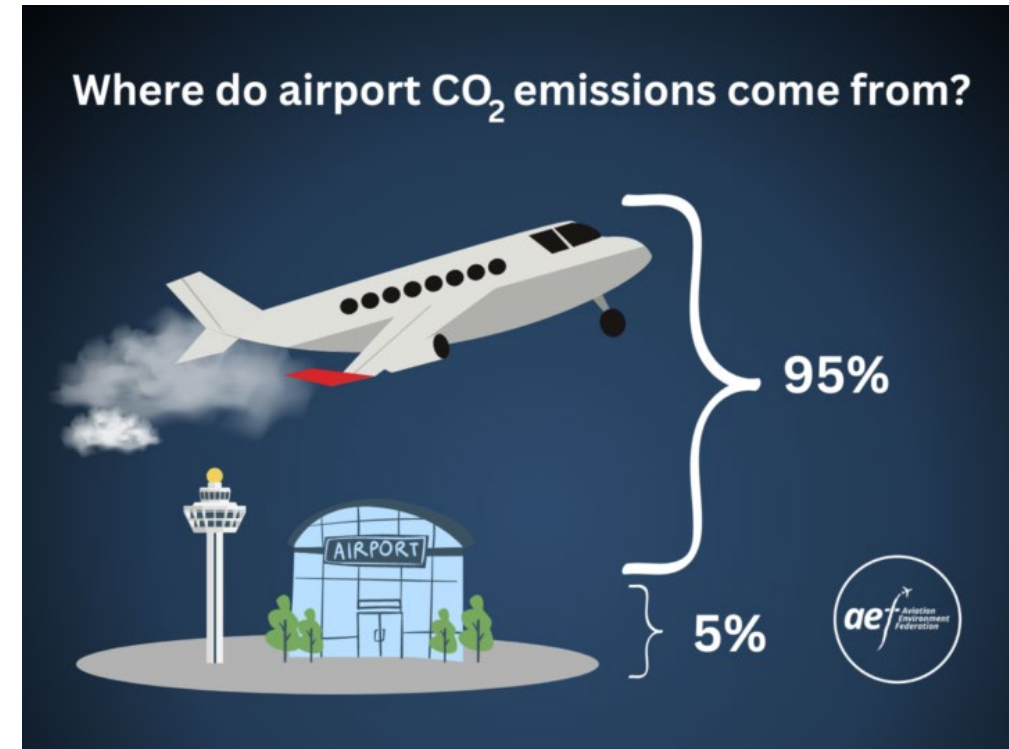
Decarbonize Aviation Sector

Which of the technologies will lead the way in decarbonizing aviation – will it be hydrogen, SAF, or some form of electric propulsion?

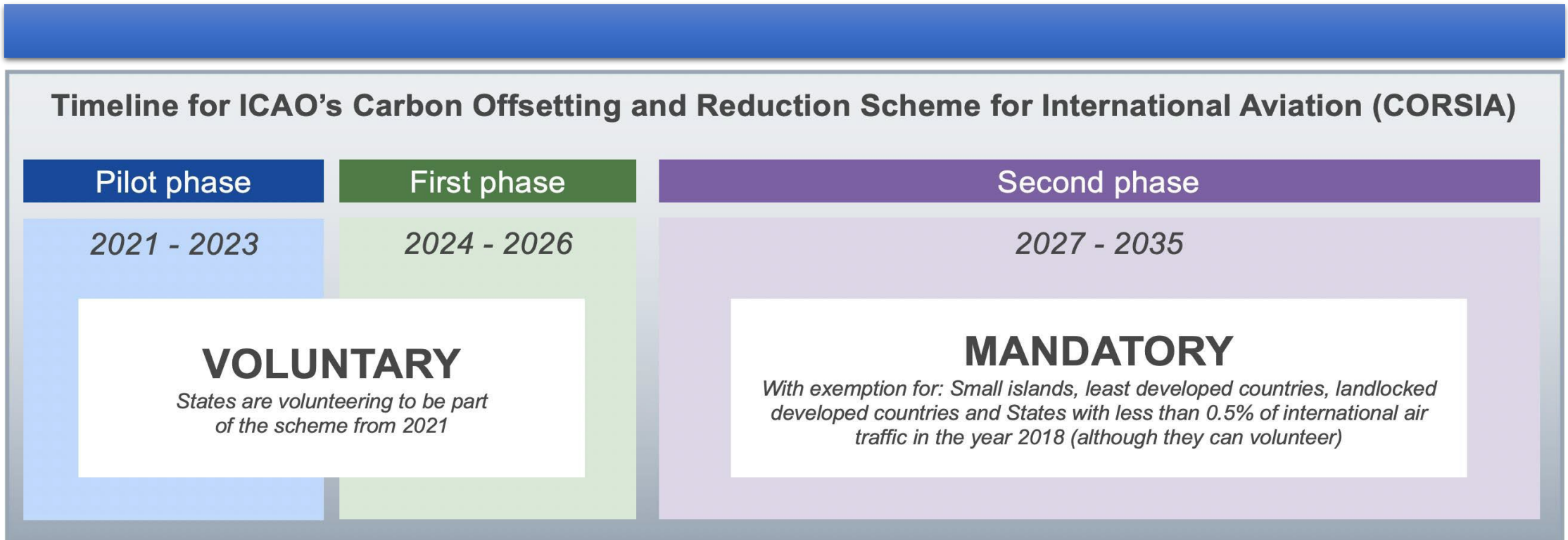


Jet Fuel is the Main Factor to Airports' Net Zero Targets

- Aviation represents 2 to 3 % of total global emissions
- Aviation emission are the most difficult to abate .
- Jet fuel represents approx. 95% of total emissions of the airports



CORSIA Carbon Offsetting and Reduction Scheme for International Aviation Phases



APSCO is First to Supply & Active Player of SAF in KSA

- Used cooking oil with 33% blend
- Developed a dedicated manuals for the quality control & of handling Synthetic jet fuel and SAF
- First supply of SAF at Red Sea Airport in October 2024.





Sustainable Supply Chain & Assurance

- Fully compliant with ISCC-EU standards.
- Loaded at Ghent Terminal, Belgium, in ISO containers to Jeddah port .
- From Jeddah port to Red-Sea airport by trucks
- Shipping emissions minimized: only 0.0167 kg CO₂/liter.



Environmental Savings & Quality Control

- Original GHG savings: 92% vs. fossil jet fuel.
- Slight reduction to 91.5% after shipping.
- SAF Quality Manual enforced:
 - Meets ASTM D7566 & D1655 specs.
 - Strict inspection, sampling, storage, and handling protocols.

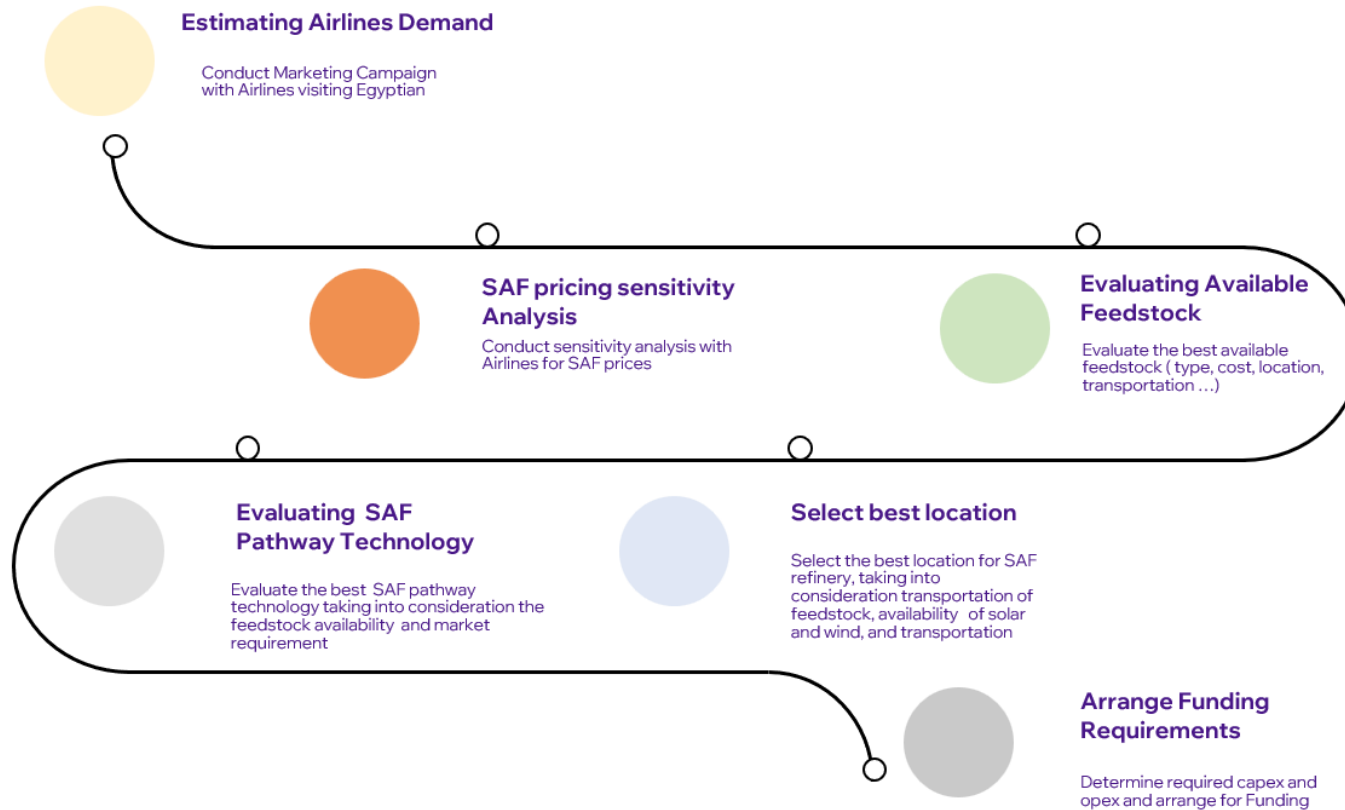


Operational Model at Red Sea Airport

- SAF fully segregated from conventional Jet-A1.
- Enables accurate airline GHG accounting.
- Aligns with international sustainability frameworks.
- Ensures transparency and traceability.



Action Plan



- ICAO support in developing Local SAF Production Study and initiatives .
- Set SAF mandates and incentives for airlines
- Agree on recognizing and supporting similar sustainability efforts within the region.



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Thank You

