



49th CONFERENCE OF DIRECTORS GENERAL OF CIVIL AVIATION ASIA AND PACIFIC REGIONS

Maintaining the Environmental Sustainability
in Aviation Emissions in Hong Kong

(Presented by Hong Kong, China)

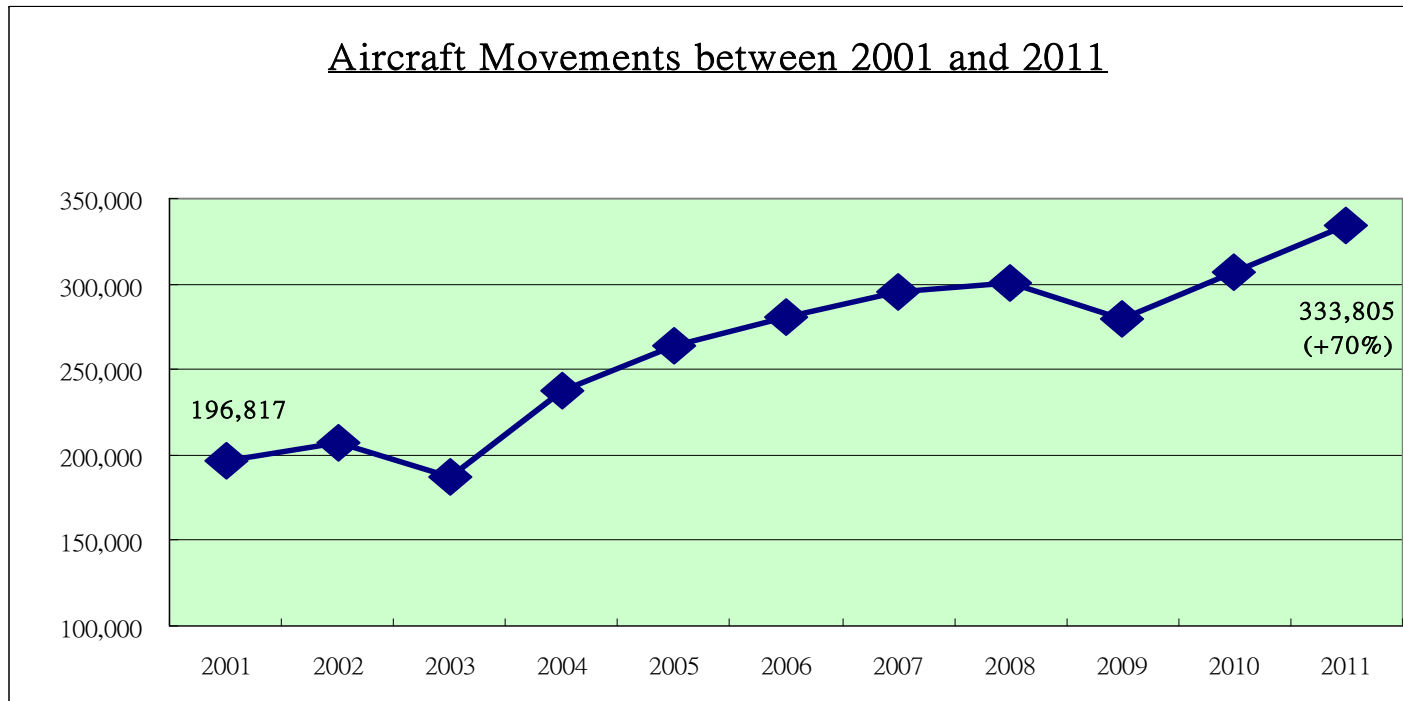


ICAO Resolutions:

- **A37-18: ICAO policies and practices related to environmental protection – Local air quality**
- **A37-19: ICAO policies and practices related to environmental protection – Climate change**

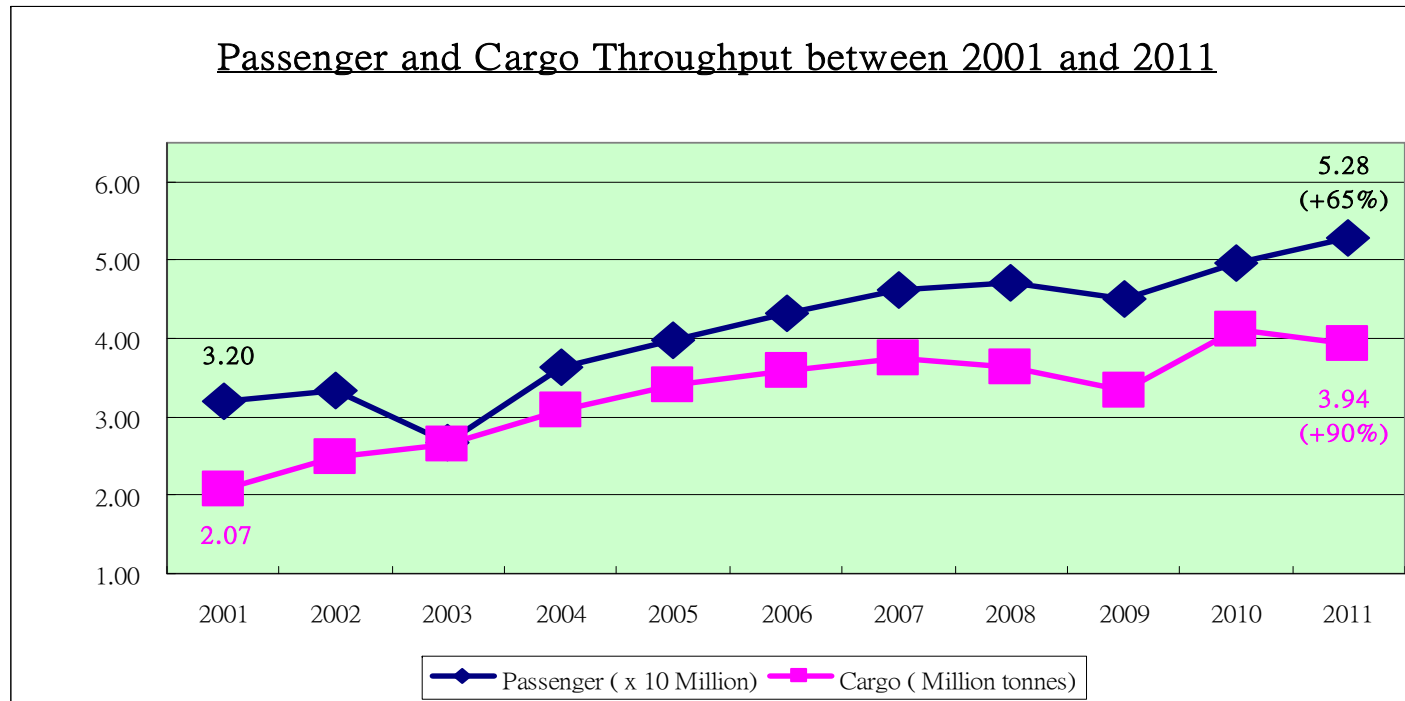


Air Traffic in Hong Kong





Air Traffic in Hong Kong



- It is crucial to reduce aviation emission to maintain environmental sustainability



Stakeholders' Contributions - Airlines

- Emissions of Hong Kong registered aircraft meets ICAO Annex 16 Vol. II standards as required by CAD
- Fleet modernization
- Reduction of weight
- Better maintenance
- Improved flight planning and management



Stakeholders' Contributions - Airport

- Require all new saloon cars operating at airside to be electric vehicles by 2017
- Upgrade fixed ground power units and pre-conditioned air system
- Ban the use of aircraft APU at aircraft stands by 2014
- Engage business partners on a carbon reduction programme

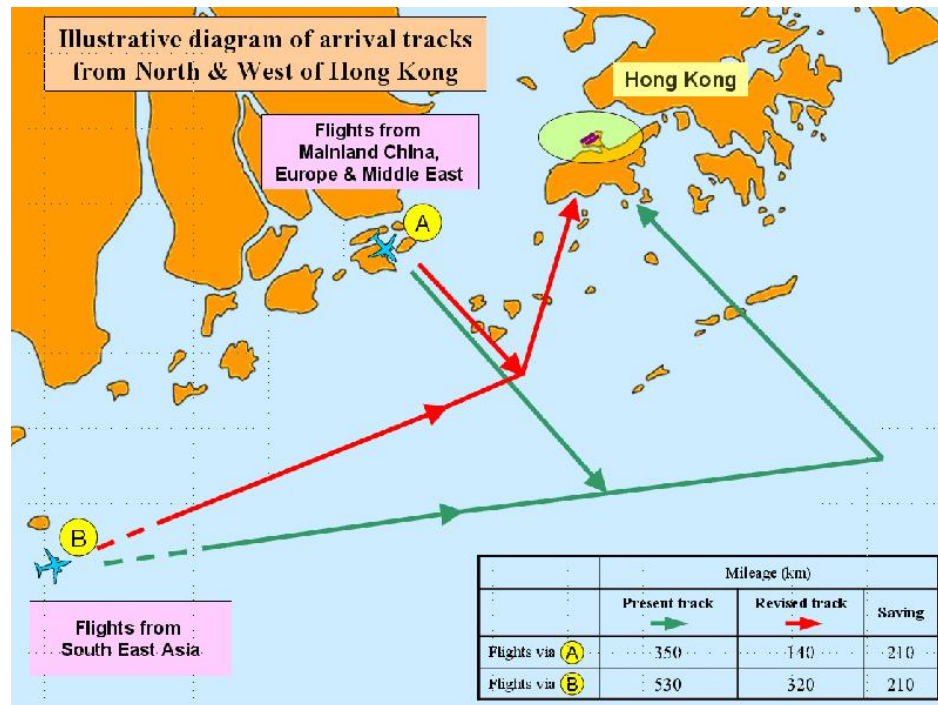


Stakeholders' Contributions - CAD

- Implemented CDA since 2000
- Lowered transfer level for flights departing HKIA and entering Mainland FIR to reduce distance for climbing in 2005

Stakeholders' Contributions - CAD

- In 2009 implemented new shortened air routes for aircraft arriving from west and north of Hong Kong



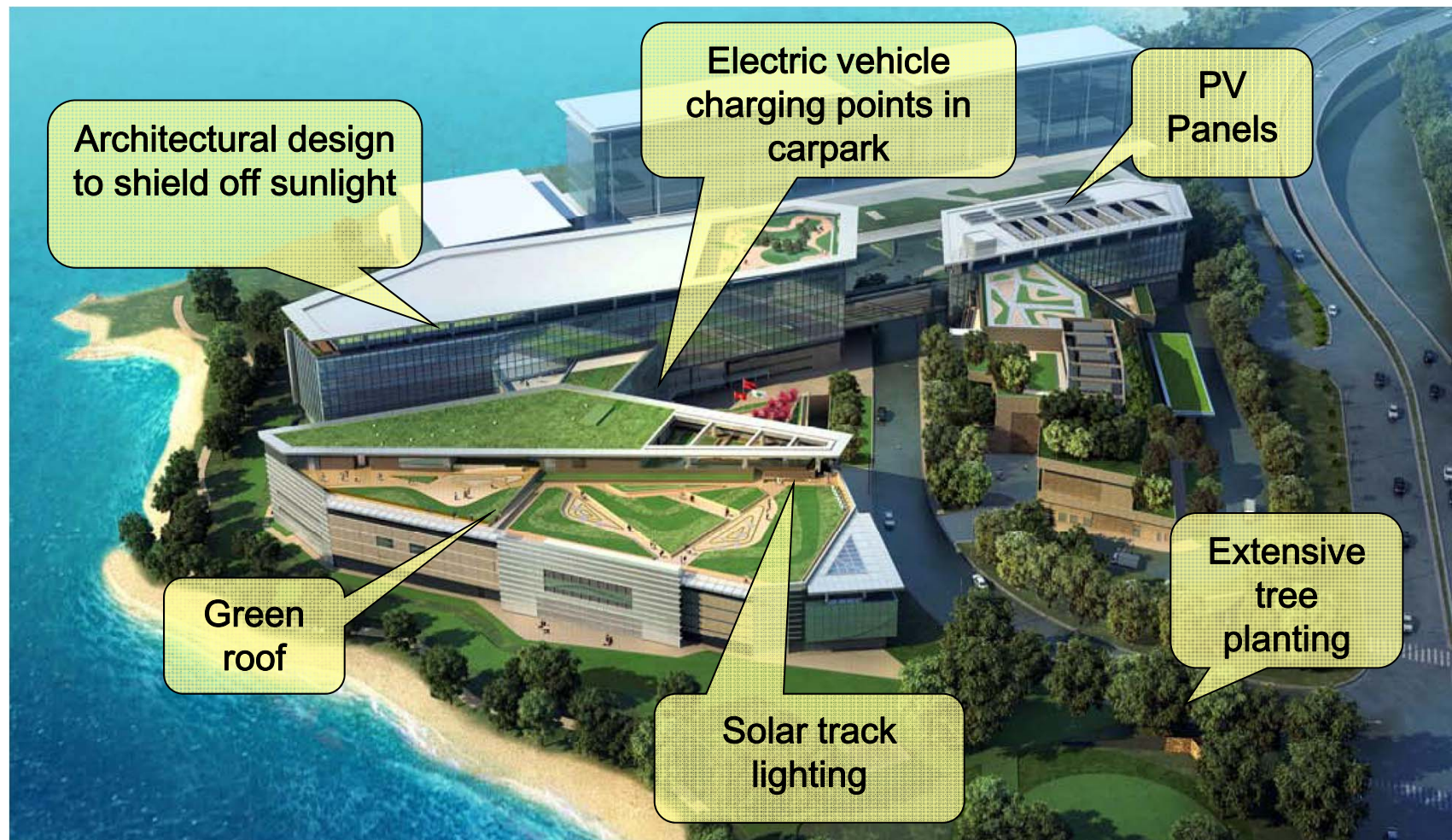


Stakeholders' Contributions - CAD

- Reduced spacing requirement on M750 / B576 transiting Hong Kong and Taipei FIRs to Korea from July 2011
- Implemented a pre-tactical ATFM mechanism since late 2011
- Commenced trial of Collaborative Decision Making in September 2012



CAD Building





Future Developments for Sustainability

- More new fuel-efficient aircraft operate at HKIA
- More effective ATC arrangements
- Development of technological standards, measures and guidelines by ICAO



Conclusions

- Reduction of aviation emissions will be more effective if applied collaboratively and co-ordinated
- Cooperation among aviation authorities is crucial



49th Conference of
Directors General of Civil Aviation
Asia and Pacific Regions



香港民航處
Civil Aviation Department Hong Kong

Thank You