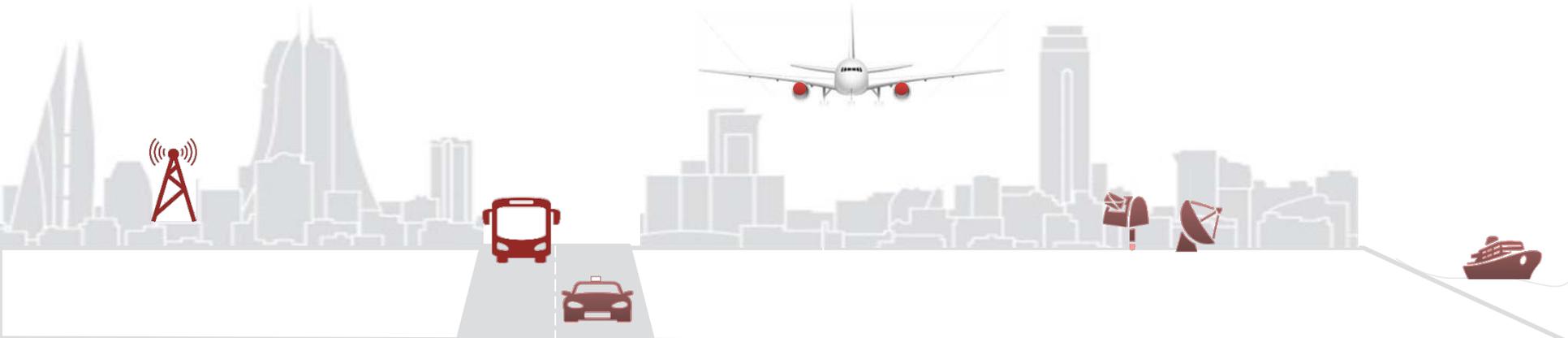




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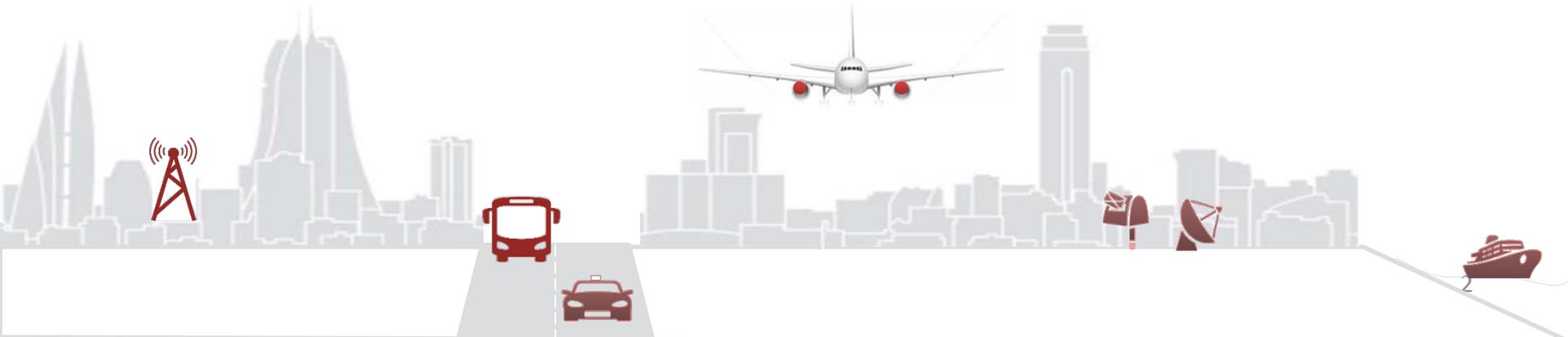
Tower Simulator for Air Traffic Control Project





Content

- **Section A :**
Current Challenges
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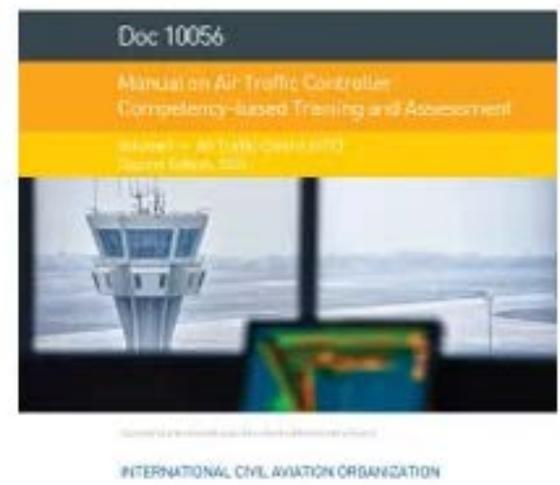




Introduction

References :

- Doc 9868
- Doc 10056
- CAR008





A: Current Challenges

- External private entity to conduct the simulator training



- No local training before ATCOs go to live
- Incapability of practice on emergency/new scenarios & any airspace changes



B: Tower Simulator Overview

System specifications



- 240° Physical view, with 360° 3D realistic view
- High resolution simulation of Bahrain International Airport
- 2x Controller Positions
- 2x Pseudo Pilots Positions
- 1x Supervisor Position
- 1x Exercise Development Position
- 7x Simulation of subsystems i.e. weather display, VCCS, ASMGCS, Radar Display, Nav aids status ...



B: Tower Simulator Overview



C: Implementation Benefits

- Stand-alone system under the responsibility of ATC
- Higher training chances on different scenarios
- Simulated functions replicate closely the real-life scenarios
- Dynamic weather & visibility simulation, fully configurable
- Recording capability of full exercises for future playback & training analysis purposes





Conclusion

- The system has been successfully installed at the Control Tower
- ATCOs conducted the initial trainings on the system
- The meeting is invited to take note of the information provided in this presentation and encourage States to exchange information on the implementation of Tower Simulators and lessons learned

Thank You

