VIRTUAL AERODROME LABORATORY

Redefine Learning for Airports
AGIL™ is our unique design and development approach for our Virtual Aerodrome Laboratory (VAL), unifying immersive technologies with learning to enhance realism and training effectiveness of aviation professionals.

As a one-stop comprehensive airport management training facility, the VAL is easily customised to meet the needs of aviation professionals – be it for flight operations management, airport security or crisis management.

With VAL, trainees experience the different aspects of aviation management first hand through realistic and interesting realtime role play that takes place in a “live” aviation environment. Trainees can look forward to an immersive learning environment that includes realistic scenarios and terrains.

Especially where opportunities for training are limited or dangerous, VAL allows trainees to acquire practical skills in a safe and controlled environment. It can be customised to meet different training needs by simulating various situations that aviation professionals are likely to encounter on their jobs.

**VIRTUAL AERODROME LABORATORY**

**KEY FEATURES**

- Equip trainees with a combination of specialist and management skills to prepare them for various roles in airport terminal operations or as an aircraft crew member
- Replicate common problems that aviation professionals may encounter
- Insert emergency scenarios on the fly
- Localise the terrain and entity models of the airport to cater to the organisation’s needs
- Vary weather conditions with a click of a button to provide trainees the experience of managing situations with different levels of visibility
- 3D immersive environment provides a more realistic training environment
- Communication channels are available for voice protocol learning
- Multi-player mode allows trainees to role play and interact between various airport vehicles and airport personnel
- Record and playback functions enable instructors to debrief and review users’ actions for improvement