



## Largest Air Tightness Tests in UAE Conducted

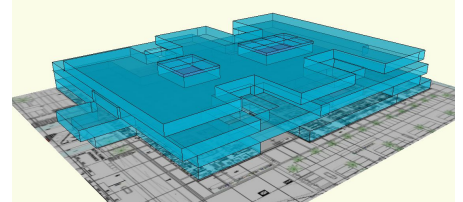
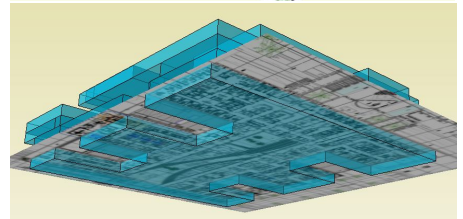
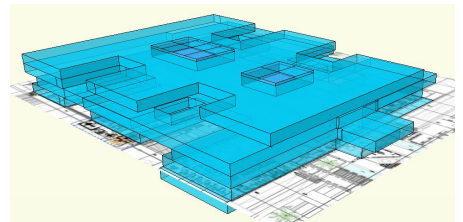
GBSI conducted two of the largest volume air tightness tests in the UAE to comply with the Dubai Green Building Regulations and Specifications. **The tested buildings were the 265,000 cubic metres Emirates Engine Maintenance Center and the 231,000 cubic metres Al Jalila Children's Specialty Hospital.** These two significant tests were for the recently mandated Dubai Green Building Regulations & Specifications: 2010 Section 501.05: Air Leakage.

The Dubai Green Building Regulations & Specifications (DGBR&S) were mandated citywide in 2015, recognizing unique regional factors. DGBR&S makes a direct connection of air tightness to energy usage and is the only code that sets specific Indoor Air Quality (IAQ) performance levels. DGBR&S code demonstrates the growing acceptance and importance of building envelope integrity for saving energy and human health issues.

GBSI's Whole Building Air Tightness tests (WBAT) on two of the largest buildings (each over 200,000 cubic metres) in the UAE demonstrate GBSI's expanded capabilities to provide this critical WBAT service for its clients.

GBSI on the fore front of sustainability testing in the MENA region for building envelope air leakage and infrared inspections for energy wasted by thermal bridging; now having completed multiple tests for the recent Dubai code enacted city wide in 2015 and numerous tests for the Abu Dhabi Estidama Pearl Building Rating System enacted in 2011.

### Al Jalila Test Envelope



Uniquely at the Al Jalila Children's Specialty Hospital, infrared analysis and air tightness testing were both utilized to comply with stringent codes for hospital air quality and tightness.