



DID YOU KNOW...?



LOCATION, SIZE & CAPACITY

- ▶ Hamad International Airport is located within an eight-hour flight for more than two thirds of the global population
- ▶ HIA is about a third of the size of Doha.
- ▶ Upon completion of the airport capacity expansion plans, HIA will handle 50 million passengers, 2.5 million tonnes of cargo, and 360,000 aircraft landings and take-offs each year. In short, it will be three times the size of the existing airport in Doha and six times the capacity.
- ▶ At peak times, as many as 8,700 passengers can pass through the Passenger Terminal Complex in a single hour.
- ▶ HIA met its record of 37.3 million passengers in 2016.
- ▶ With 600,000 square meters and 4 stories high Passenger Terminal Complex (PTC) equalling 75 FIFA-size soccer fields or in Qatari 3 Qatar National Convention Centres (QNCCs). As such, it will be the largest building in Doha.
- ▶ HIA has a capacity of 1.4 million tonnes per annum, set to increase to 2.8 million upon completion of second terminal.
- ▶ HIA has two parallel runways, among the longest in the world, designed to cater to next-generation aircraft including the Airbus A380.



A UNIQUE WATER THEME DESIGN

- ▶ A workforce of 23,000 invested over 160 million hours to design and build an undulating structure resembling the gentle waves of the Arabian Gulf taking passengers gracefully from landside to airside, using building materials sourced from 40 different countries around the world.
- ▶ The passenger terminal roof is shaped like a wave. Water is also featured along the way for arriving passengers.
- ▶ The Emiri terminal is externally shaped like sail boats, and mosque like the water drop.
- ▶ HIA's iconic mosque, located in front of the PTC with spectacular views of the lagoon and Emiri Terminal, resembles a drop of water. With a diameter of 50 metres, the dome was constructed from 1600 individual pieces of glass, while the 36-metre-high minaret is clad in over 200,000 mosaic tiles with LED lights for evening illumination.
- ▶ The control tower will be over 85 meters high. The control tower is shaped like a crescent providing a key night feature shining on the HIA facilities.



THE ENVIRONMENT AT HEART

- ▶ HIA is a highly environmental friendly airport.
- ▶ All waste water from HIA is recycled. The treated water is used to irrigate the landscaping around the airport.
- ▶ During HIA's construction, over 6.2 million cubic meters of soil was excavated, desalinated and re-used as fill material.
- ▶ 8 million cubic meters of improperly disposed household waste has been removed from the site and disposed of properly in an engineered landfill
- ▶ HIA started to tackle climate change and the airport's carbon emissions from its first day of opening in 2014.
- ▶ HIA is the first airport in the GCC and second in the Middle East and Northern Africa Region, achieving Level 3 'Optimization' in the Airport Council International (ACI) Airport Carbon Accreditation programme
- ▶ HIA is designed and built to conserve energy needed for cooling. The walls of the passenger terminal are coated with solar reflective material and the roof is insulated, and designed with overhang shading. Also, carbon dioxide sensors regulate air intake based on occupancy to minimize the energy usage on ventilation system.



HIA FACILITIES FOR ALL

- ▶ 7483 car parks
- ▶ 24,000 public seats
- ▶ 85 public toilets
- ▶ 23 parent's rooms
- ▶ Complimentary unlimited Wifi
- ▶ 2 unaccompanied minor lounge
- ▶ 13 quiet rooms for family, male and female
- ▶ 16 Prayer rooms



CONSTRUCTION FACTS

- ▶ Crushed rock – 87,600 tonnes
- ▶ Concrete – 2.3 million cubic metres
- ▶ Piles – 8,900
- ▶ Airfield asphalt – 2 million cubic metres
- ▶ Steel – 140,000 tonnes
- ▶ Electrical cabling – 17 million meters
- ▶ Fibre optic cabling – 330,000 metres
- ▶ Fuel pipes – 37,000 metres
- ▶ Curtain wall (south, west and east façade) – 109,800 square metres
- ▶ Exterior wall has 35,000 pcs of glass
- ▶ Interior wall 36,000 pcs of glass

- ▶ Inward-angled curtain wall façade from roof to ground helps reduce solar exposure; reduces the need for internal cooling)
- ▶ North Node curtain wall – 51,000 square metres
- ▶ Canopy cladding – 36,000 square metres



LANDSCAPING AT HIA

- ▶ 2.44 square kilometres of landscaping
- ▶ 2,621 date palms
- ▶ 436 large matured boxed trees
- ▶ 7,854 deciduous trees
- ▶ 1.11 square kilometres of groundcovers and shrubs
- ▶ 0.13 square kilometres of lawns
- ▶ 0.03 square kilometres of hard landscaping
- ▶ 12,620 meters of decorative limestone walls
- ▶ 3,560 kilometres of irrigation pipes
- ▶ 111,730 cubic meters of organic mulch
- ▶ 901,920 cubic meters of soil mixture
- ▶ 8,000 meters of landscape maintenance access paths
- ▶ 17,000 cubic meters of TSE used as irrigation water
- ▶ 1,628 street lighting poles

