

GENERAL INTRODUCTION



Abu Dhabi, Capital city of the United Arab Emirates, has a population of over one million. By 2030, this figure will rise to three million. The city needs sustainable, phased, quality infrastructure growth to keep pace with its rapid evolution.



The development of Abu Dhabi International Airport is vital to support the 2030 Abu Dhabi Vision.



The airport currently serves over 116 destinations in 68 countries.



Most of these are served by Etihad Airways, the National Airline of the United Arab Emirates and primary tenant of the airport



Etihad Airways operates one of the youngest fleets in the world, and it is projected to double by 2020.



At that time, the airport will cater for 33 million passengers per year. Due to the expected passenger growth, additional airport capacity is required.



The Abu Dhabi Government and Abu Dhabi Airports Company, in collaboration with other state authorities, have commenced the development of the Abu Dhabi Airport Midfield Terminal, future home of Etihad Airways.



This state of the art facility will be the heart of Etihad Airways operations and a showcase for the airline internationally.



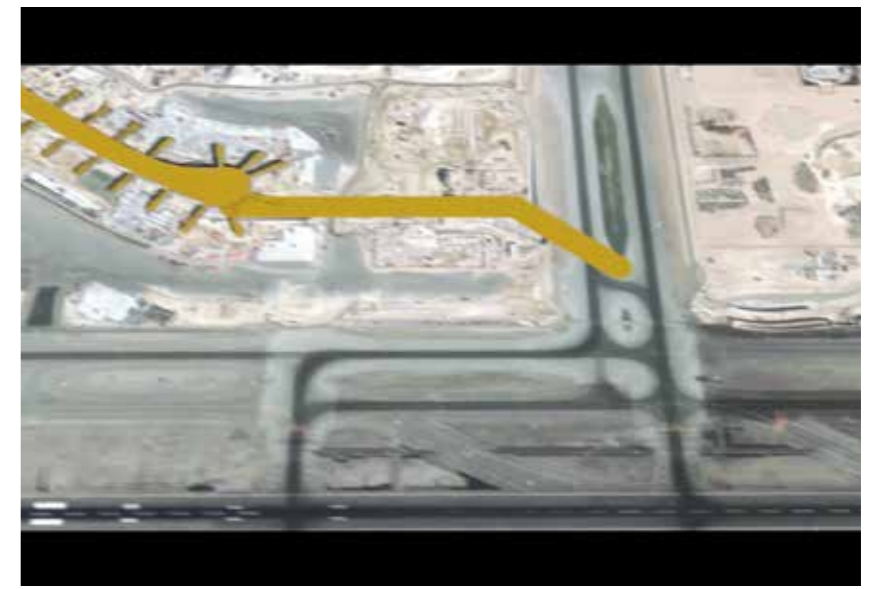
The Midfield Terminal Complex (MTC) is located to the north of the existing terminal facilities (T1 & T3) and between the airport's north and south runways.



The Complex includes all the necessary facilities to support the Midfield Terminal Building (MTB).



When completed, the MTB will be the third largest airport terminal building in the world, after Dubai and Beijing.



A service tunnel – called the Midfield Airside Road Tunnel (MART) – will assist connectivity between the Midfield Terminal Building and the Southside terminals, and will support Etihad Airways in operating from a multi-terminal environment



In addition, a new Cargo facility will be located in the east midfield, which is designed to handle an estimated 2.5 million tons of cargo in 2025, with fast transit shipment of just over 2 hours.

(Insert live cargo footage?)



A new Catering facility will be developed in the Al Falah support zone. It will start operations alongside the existing one in Southside. With a capacity of 90,000 meals a day, it will feature bakery ovens, a centralised butchery, and a separate building for power and cooling.



Planning has also commenced for a Satellite Terminal to be located east of the Midfield Terminal Building.

SUPPORT FACILITIES



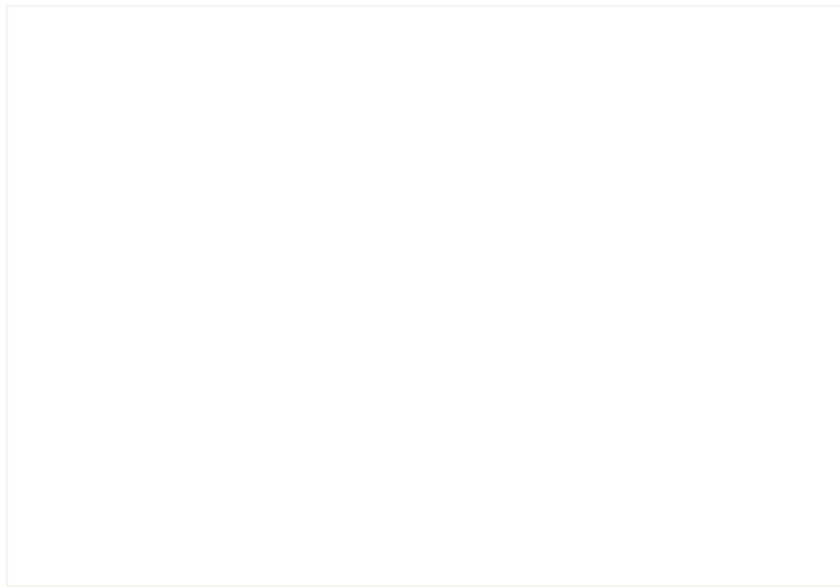
The support facilities of the Midfield Terminal Complex include: an Employee Consolidation Centre, short and long term car parks, goods and waste facility, and a future Crew Briefing Centre.



The Employee Consolidation Centre, or ECC, will serve as the central security screening and customs clearance point for airside staff working at the Terminal.



It will provide staff with parking spaces and shuttle bus transport to their workplace.



3,400 short term car parking spaces are located right in front of the MTB, and another 1,500 long term car parking spaces are located 5 minutes bus drive away from the entrance of the Terminal.

[\(Abu Dhabi Airport HD Video.mov 01:48 >>> 02:32 \(Cut the lady in the car](#)

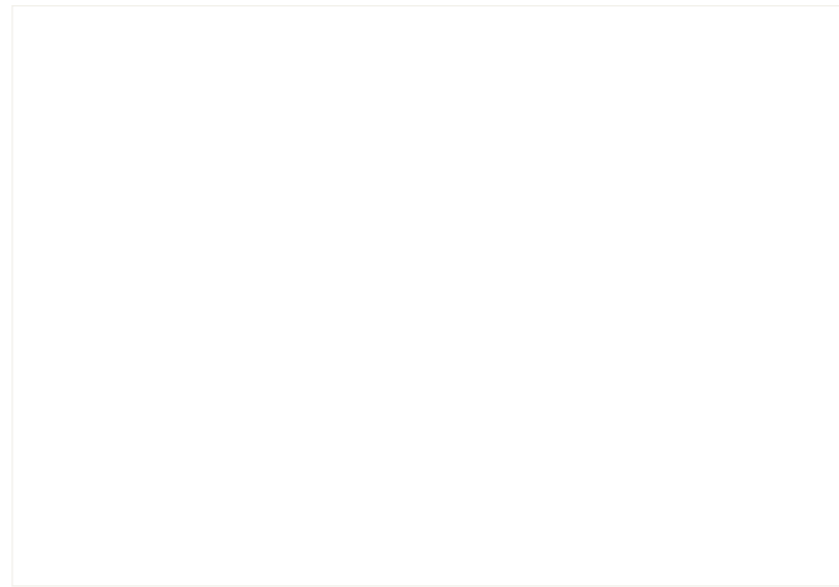


Departing guests will access the building on the outer kerb on Level 2 if they are dropped off by private car, or on the inner kerb if they arrive by taxi, limousine or bus.

[Abu Dhabi HQ Walkthrough.mp4](#)



The ceiling reaches 52m at its highest point, and its longest steel arch stretches across 180m, making it the largest internal arch in the world.



Taxis and limousines will stand-by in a staging area besides the ECC until they are called forward to the arrivals kerb...

[Abu Dhabi HQ Walkthrough.mp4](#)



The Midfield Terminal Building will stand amongst the most architecturally impressive structures in the Middle East, with 700,000 sqm of internal space.

[Abu Dhabi HQ Walkthrough.mp4](#)



More than 3,000 Etihad employees are expected to work in this magnificent building.



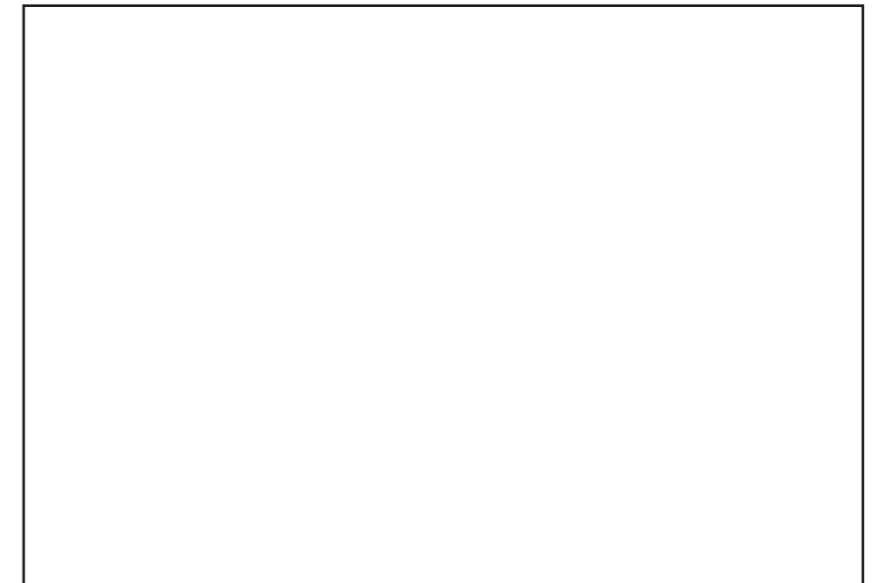
A new exit from the E-10 Highway will provide direct access to the Midfield Terminal.

[Abu Dhabi HQ Walkthrough.mp4](#)



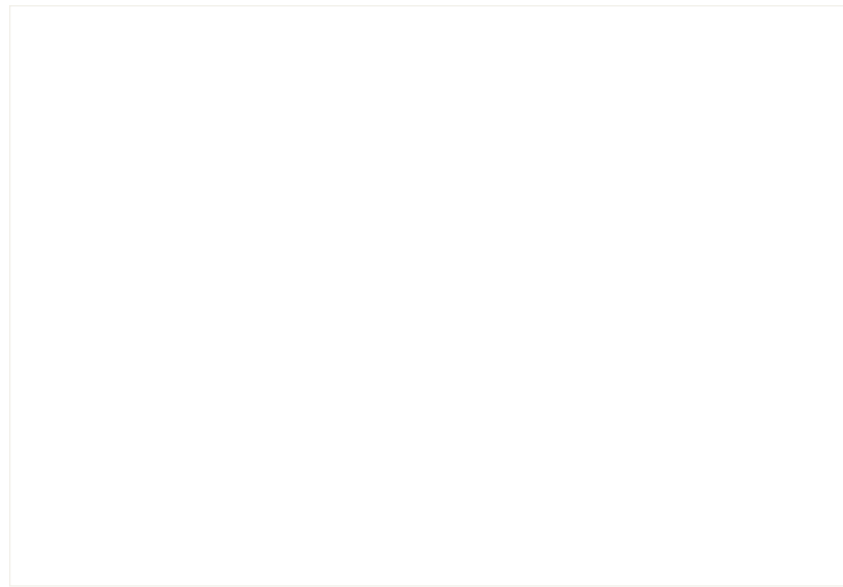
Larger than Emirates Palace, it will be 1.35 km long at its widest. The central atrium alone could accommodate three full size football pitches!

[Abu Dhabi HQ Walkthrough.mp4](#)

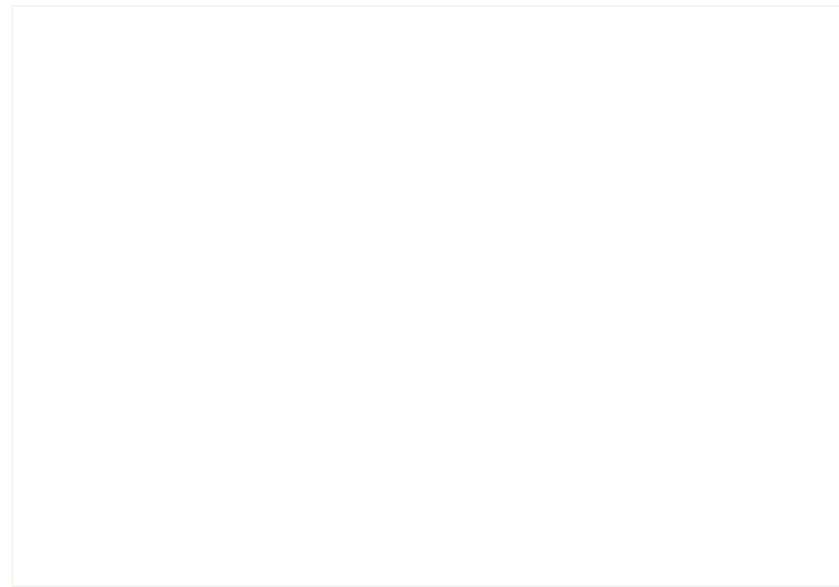


With 65 contact gates, the terminal will have the capacity to process 8,500 guests per hour and more than 30 million guests per year.

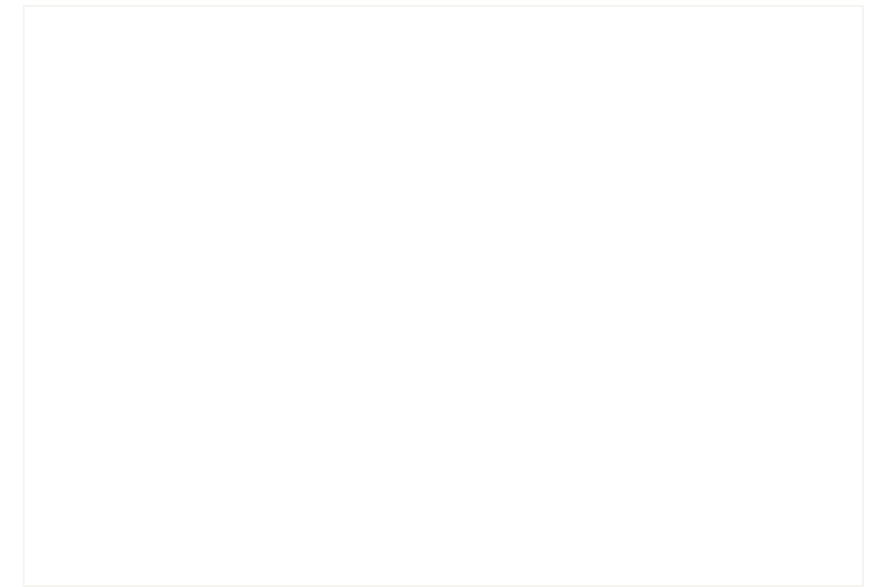
THE BUILDING



A minimum connection time of 45 minutes within the terminal is underpinned with a capacity to process an impressive 19,200 bags per hour, and 46 travelators linking aircraft stands to the central atrium.

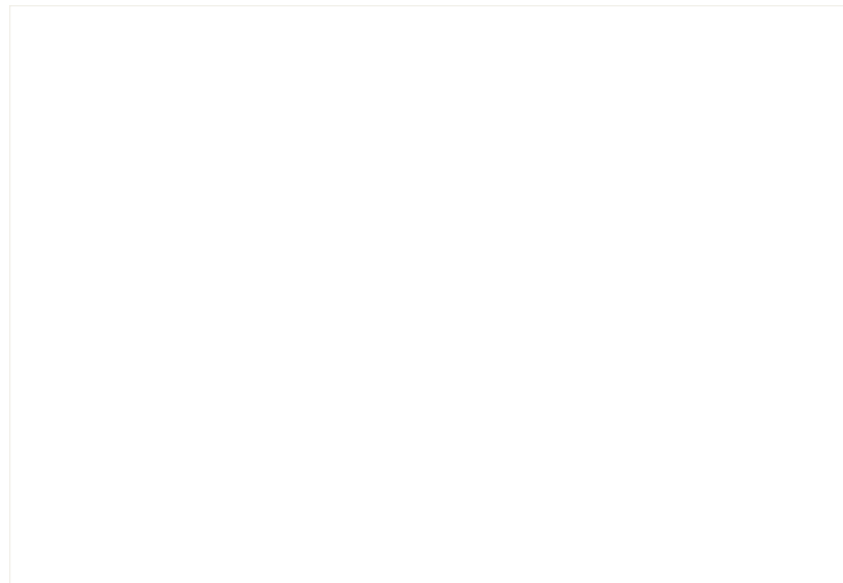


The 4,600 CCTV cameras in the terminal will keep a strong focus on our guests safety and security.

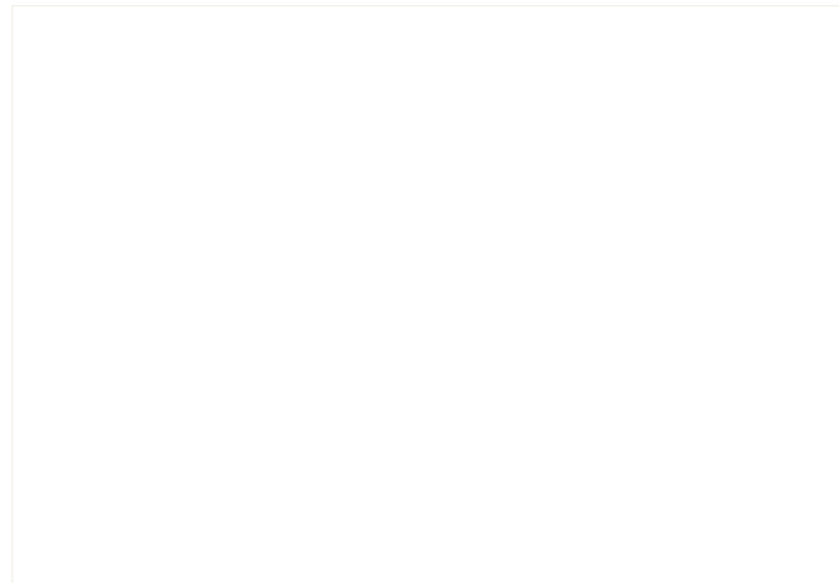


The Midfield Terminal building targets a 3 Pearls Estidama rating, recognising a series of initiatives related to energy saving, water conservation, noise reduction, and use of recycled products and local materials.

[Abu Dhabi Airport HD Video.mov 04:09 >>> 04:49](#)



The state of the art IT infrastructure will showcase intuitive way-finding, personalised information, e-Border gates, self check-in options, and an advanced turn around and baggage management system among others.



These changes will further enhance the guest experience, with less time completing formalities and more time enjoying the wide range of facilities the airport has to offer.

[Abu Dhabi Airport HD Video.mov >>> 05:15](#)

MIDFIELD FOR OUR GUESTS



Our arriving guests will have enhanced access to the Terminal as they will disembark the aircraft directly through air bridges into the concourses, which are found across the four piers.

[Abu Dhabi Airport HD Video.mov 05:36](#)

(Arrival)



Once in the concourse, they will continue their journey towards the central part of the terminal by using the travelators...



...and proceed to arrivals where they will go through customs, collect their baggage and buy duty free on arrival.



They will exit the building through the spacious meet and greet area.

Existing arrival lounge footage

After picking up their bags, Premium guests can enjoy a variety of services at the Etihad Airways arrivals lounge...

Abu Dhabi Airport HD Video.mov continues



First Class and Business Class guests will enjoy a personalised experience with exclusive premium departure and security screening areas.



Three flagship lounges will serve our First and Business Class guests and offer services including sleeping rooms and an a-la-carte dining.

Existing chauffeur footage
(or just stay in the arrival lounge)

...which will also provide a chauffeur service at the limousine pick-up area.

Abu Dhabi Airport HD Video.mov continues



The Central Atrium is the heart of the Midfield Terminal, a 18,000 sqm retail area where guests can transfer and depart in comfort, surrounded by a profusion of duty free shops, restaurants and lounges.

Abu Dhabi Airport HD Video.mov 03:36



Departing guests will access their gate through one of the four concourses, where they will find facilities such as travelators, washrooms, and food outlets.

(Departure)

Abu Dhabi Airport HD Video.mov 02:35 >>> 02:59 (the checkin bit with old uniform)



For our departing guests, over 156 check-in counters will be available at the Midfield Terminal and dedicated zones will provide a hassle free experience.

Abu Dhabi Airport HD Video.mov continues



Guests will experience the Etihad Resort with exclusive entertainment, vibrant landmark lounges, world-class cuisine, and an up-market duty free area with high-end retail outlets and designer brands from all over the world.

Abu Dhabi Airport HD Video.mov 04:00



The décor of the piers follows a distinct individual theme - Sea, Oasis, Desert and City according to the direction they are facing.



US bound guests will transfer from the MTB to Terminal 3 through the Midfield Airside Road Tunnel. The US Customs and Border Protection facility allows guests to check-through their baggage to their final destination and clear immigration in Abu Dhabi.



The 28 kilometre long Baggage Handling System of the Midfield Terminal will have 30 flight-build and 10 reclaim carousels, as well as 4,800 positions in its Early Bag Store.



Bags will travel in the system at a speed of 25km/h, and will be screened inline at a remarkable speed of 20 bags/minute (per screening machine).



The Baggage Handling System can process up to 19,200 bags per hour with an average transfer in-system time of only 9 minutes.



It will identify early bags, missed bags that arrived too late for their connecting flight, and last minute bags that are time critical.



Those bags will either go to the bag store and be reflighted, or go to a dedicated position for further processing by our team.



The location of the Terminal Building between the two main runways allows for more efficient ground operations and taxiing time, whichever runway is used.



Simultaneous dual runway operation will deliver increased capacity, improved resilience and ultimately a better guest experience.



A full upgrade to the airfield lighting system will provide selectable routes for each individual aircraft between the runway and the gate, drastically raising the bar during low visibility operations.

<https://vimeo.com/atrics/towerpad> 01:24



It will also provide optimal routes, sequence aircraft and improve the overall safety of ground operations.

<https://vimeo.com/90787669?lite=1> 00:06



Significant work is being done on the airspace as well to make room for an ever increasing number of flights.