

INTRODUCTION TO THE AIR TRAVEL INDUSTRY

- THE FIRST AIRCRAFT TOOK OFF IN THE SKY BACK IN 1903, EVER SINCE THEN FLYING HAS BECOME ONE OF THE MOST DESIRED WAYS OF TRAVELLING THE WORLD.
- AIR TRAVEL IS THE QUICKEST WAY OF TRAVELLING, IT HAS MADE IT A LOT EASIER FOR PEOPLE TO BE ABLE TO TRAVEL THE WORLD WITHIN A FEW HOURS.
- AIR TRAVEL HAS ALSO BECOME USEFUL TO SHIP PRODUCE TO DIFFERENT COUNTRIES IN A SHORT SPACE OF TIME.



By Katie Joseph

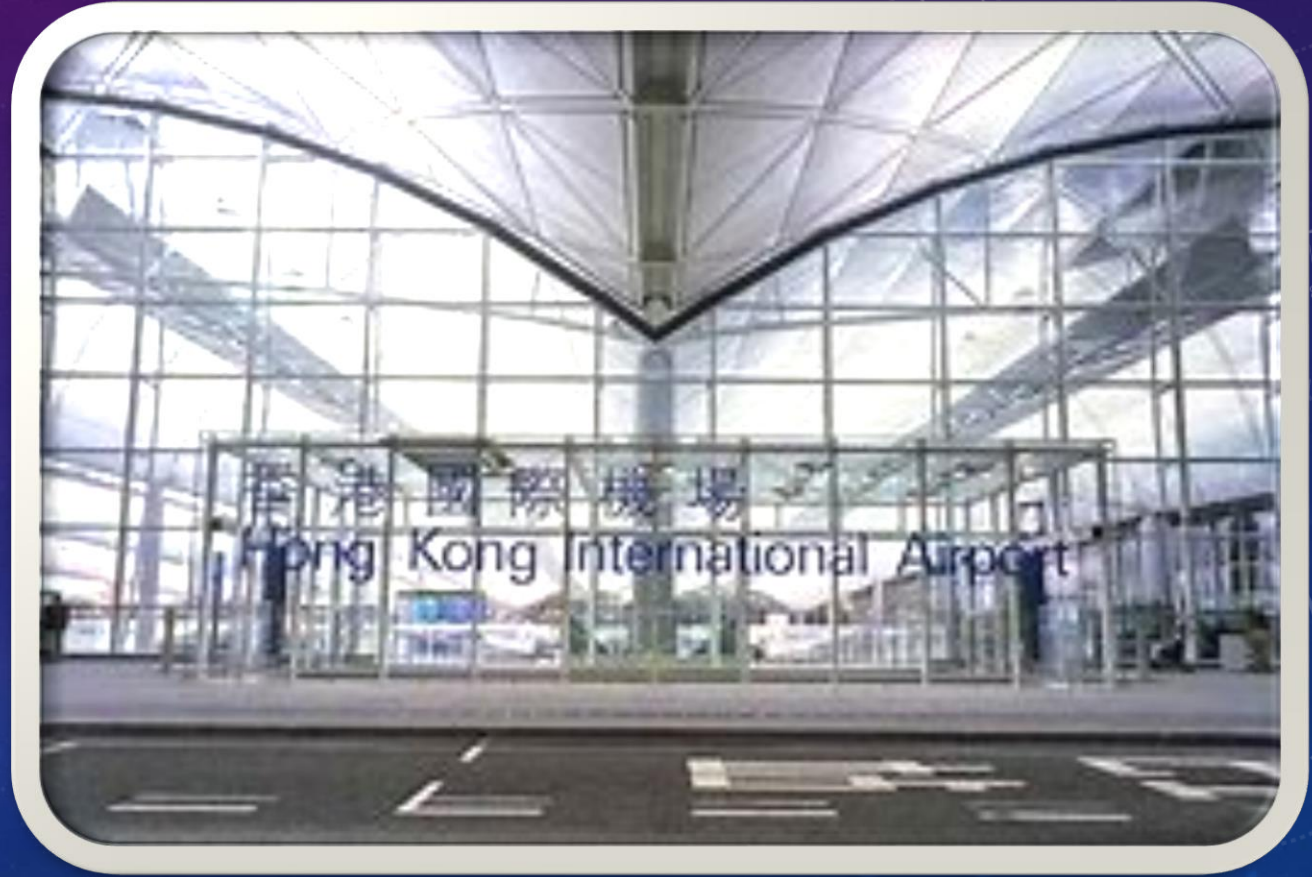
HISTORY

- In December 1903 the first successful flight was created in North Carolina by Wilbur and Orville Wright.
- Wilbur and Orville were two American Aviation Pioneers.
- Before the Brothers built the first successful aircraft, people only flew in hot air balloons and gliders.
- The first person to ever fly as a passenger was Leon Delegrange, who flew around a meadow farm in France in 1908.
- The first ever pilot who flew an aircraft was Henri Farman, who accompanied Leon Delegrange as passenger on his first flight.



FACTS

- The average flight fly's at around 35,000 feet.
- There are around 20000 flights in the sky right now.
- The busiest international flight route is Hong Kong with 680,000 people visiting a month.
- Flying is by far the safest way of travelling.



CURRENT ISSUES WITH IN THE AIR TRAVEL INDUSTRY

- There are many current issues within air travel, within the UK alone there are issues surrounding new runways in London Heathrow and Gatwick, due to maximum capacity and demand in flights.
- There are issues surrounding the liquidation of Thomas Cook, there are now less all inclusive holidays available for booking.
<https://www.tripinsiders.net/wp-content/uploads/2018/02/gatwick.jpg>
- There are a lot of talks about Air Travel being a massive environmental issue, and with more flights in the air everyday it is only going to cause more pollution in the future.



EASY JET

- EasyJet has plans to introduce battery powered electric planes by 2030.
- The electric planes will only cover short haul flights under two hours.
- The electric planes will be quieter, better for the environment and cheaper for airline companies to buy and operate
- Johan Lundgren, CEO of EasyJet announced that the electric planes will have a 15% reduction in carbon emissions and 50% less noise footprint.
- <https://www.thetravelmagazine.net/easyjet-is-developing-battery-powered-planes.html>



EASYJET ELECTRIC PLANE

- <https://youtu.be/6T1ELu1NBss>



ENVIRONMENTAL IMPACTS OF AIR TRAVEL

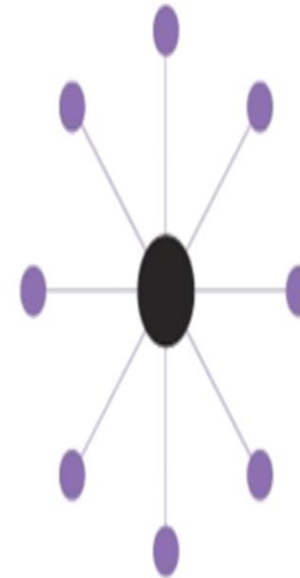
- Air travel has many positives which includes providing millions of jobs, fast way of travelling around the world and low cost flights, but there are many negatives that have a major impact on the environment.
- Air travel produces carbon dioxide emissions and greenhouse gases which are extremely bad for the environment
- Ways to make air travel more sustainable:
 - Electric engines or battery-driven aircraft
 - Recycling strategies
 - Combating noise pollution
- <https://www.google.co.uk/amp/s/phys.org/news/2018-08-effect-global-aviation-environment.amp>



HEATHROW AIRPORT EXPANSION- THIRD RUNWAY

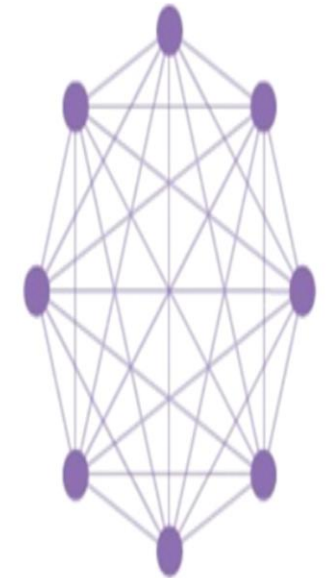
- Heathrow is the UK's largest airport and 'hub' airport.
- 1300 planes depart & land a day/ 475,000 annually
- 80 million passengers a year
- 84 different airlines flying to 200 destinations across 84 countries
- 7th busiest airport in the world by total passenger traffic
'The Heathrow minute' (Heathrow.com, 2019)

A hub airport is the most efficient way of connecting many points.



Hub

linking 9 points, requires 8 routes

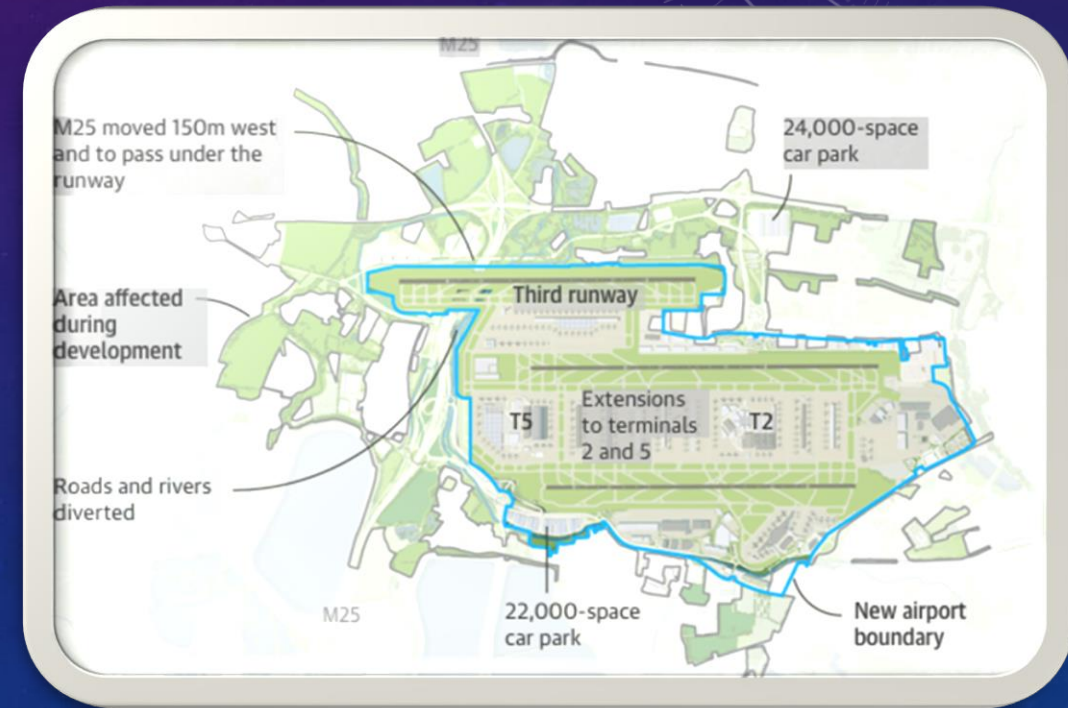


Point-to-Point

linking 8 points, requires 28 routes

THE PROPOSED EXPANSION PLAN- IS THERE A NEED?

- Heathrow is currently at 98% capacity
- Gatwick was in competition for the expansion
- https://www.youtube.com/watch?v=At_8ZfqSLo



PROS TO EXPANSION

- Already at capacity
- Boost of inbound visitors to the UK- increase from 476,000 to 756,000 by 2050 – 59% increase (The Independent, 2019).
- Economic boost - Without increasing airport capacity, the UK will lose out on business competitiveness and tourism.
- Increase in 10,000 apprenticeships and 180,000 jobs (Heathrow Expansion: Building for the future, 2015)
- New routes

CONS TO EXPANSION

- Cost – around £14billion (The Times, 2018).
- Pollution.
- A village including 3,750 homes would need to be demolished as well as rerouting a river and the M25 (Stop Heathrow Expansion, 2019).
- Is it sustainable?
- Could expansion at Heathrow halt growth at Britain's smaller, regional airports?

THE FAILURE OF THOMAS COOK

- WHAT HAPPENED TO THOMAS COOK?



BACKGROUND INFORMATION

WHY DID THOMAS COOK FAIL AFTER 178 YEARS IN BUSINESS?

THE TOUR OPERATOR'S WOES GO BACK MUCH FURTHER – A VICTIM OF A DISASTROUS MERGER IN 2007, BALLOONING DEBTS AND THE INTERNET REVOLUTION IN HOLIDAY BOOKING



THOMAS COOK AND BREXIT

Brexit, risk-averse banks, summer heatwaves, the rise of Airbnb, the long-term triumph of budget airlines. All contributed to the collapse of Thomas Cook.

<https://www.youtube.com/watch?v=HZccEGnLCFk>



HOW AIRLINES ARE REGULATED

- Civil Aviation Authority
- Air Operators Certificate
- Rules & Guidelines



By Cameron Morgan

INDUSTRY ISSUE - TERRORISM

- Tourists adapt instead of cancelling
- Improved Infrastructure



FUTURE OF THE AVIATION INDUSTRY

- Sustainability
- In-flight Services
- Airport Cities



By Cameron Morgan

REFERENCES

- Caa.co.uk. (2019). How airlines are licensed and inspected | UK Civil Aviation Authority. [online] Available at: <https://www.caa.co.uk/Consumers/Guide-to-aviation/How-airlines-are-licensed-and-inspected/> [Accessed 30 Oct. 2019].
- Jackson, A.(2019). How might the recent plane crash impact tourism? Three experts give us their views. [online] BT.com. Available at: <http://home.bt.com/lifestyle/travel/how-might-the-recent-plane-crash-impact-tourism-three-experts-give-us-their-views-11364062165175> [Accessed 30 Oct. 2019].
- Iata.org. (2019). FUTURE OF THE AIRLINE INDUSTRY 2035. [online] Available at: <https://www.iata.org/policy/Documents/iata-future-airline-industry.pdf> [Accessed 31 Oct. 2019].
- International Airport Review. (2019). The future of aviation: a definitive guide to the next 20 years. [online] Available at: <https://www.internationalairportreview.com/article/34859/future-aviation-next-20-years/> [Accessed 31 Oct. 2019]. ABTA , 2019. Thomas Cook Group. [Online]
- Available at: <https://www.abta.com/thomascook> [Accessed 28TH October 2019].
- Cook, T., 2019. Thomas cook and Brexit. [Online]
- Available at: <https://support.thomascook.com/Travel-Advice-Safety/Leaving-the-EU-Brexit-Questions/1134032422/How-will-Brexit-affect-my-holiday.htm> [Accessed 28th October 2019].
- News, B., 2019. News Daily: Thomas Cook collapse and Labour Brexit row. [Online] Available at: <https://www.bbc.co.uk/news/uk-49759490> [Accessed 29th October 019].

- Heathrow Expansion: Building for the future. (2015). 10,000 apprenticeships with Heathrow expansion - Heathrow Expansion: Building for the future. [online] Available at: <https://www.heathrowexpansion.com/local/10000-apprenticeships-heathrow-expansion/> [Accessed 1 Nov. 2019].
- Heathrow.com. (2019). Facts and figures | Heathrow. [online] Available at: <https://www.heathrow.com/company/company-news-and-information/company-information/facts-and-figures> [Accessed 1 Nov. 2019].
- Stop Heathrow Expansion. (2019). The Seven Hurdles of Heathrow — Stop Heathrow Expansion. [online] Available at: <http://stopheathrowexpansion.co.uk/sevenhurdlesofheathrow> [Accessed 1 Nov. 2019].
- The Guardian. (2019). Heathrow third runway expansion plans revealed. [online] Available at: <https://www.theguardian.com/uk-news/2019/jun/18/heathrow-third-runway-expansion-plans-revealed> [Accessed 1 Nov. 2019].
- The Independent. (2019). All your questions answered about the Heathrow masterplan. [online] Available at: <https://www.independent.co.uk/travel/news-and-advice/heathrow-expansion-third-runway-plan-airport-questions-answers-a8963556.html> [Accessed 1 Nov. 2019].
- The Times. (2018). Heathrow third runway: how much will it cost and who will foot the bill?. [online] Available at: <https://www.thetimes.co.uk/article/heathrow-third-runway-how-much-will-it-cost-and-who-will-foot-the-bill-vnsgmrstd> Displacement of homes, businesses, parks, rivers and community areas [Accessed 1 Nov. 2019].
- Your Heathrow. (2014). What makes a hub airport, and why they're important - Your Heathrow. [online] Available at: <https://your.heathrow.com/what-makes-a-hub-airport/> [Accessed 1 Nov. 2019].
- YouTube. (2019). Heathrow Expansion - The Preferred Masterplan. [online] Available at: https://www.youtube.com/watch?v=_At_8ZfqSLo [Accessed 1 Nov. 2019].

- Travel Tips . (2019). *The History of the Airline Industry*. Available: <https://traveltips.usatoday.com/history-airline-industry-100074.html>. Last accessed 1 Nov 2019.
- Av Jobs. (2019). *History of Aviation- First flights*. Available: <https://www.avjobs.com/history/index.asp>. Last accessed 1 Nov 2019.
- assets.nydailynews.com/polopolyfs/1.2469174.1450377878!/img/httpImage/image.jpg_gen/derivatives/landscape_1200/wilbur-orville-wright.jpg
- Schubak, A. (2019). *10 Amazing Facts about Air Travel*. Available: <https://www.redbookmag.com/about/g29236028/air-travel-facts/>. Last accessed 1 Nov 2019.