

CASE STUDY 16

Intermodality in operation

Who: Heathrow Airport

Where: United Kingdom

What: Intermodal opportunities

Why: Reducing emissions and congestion on the roads around the airport

Project

Passengers and staff driving to Heathrow contribute to CO₂ emissions. Overall, road transport is a much bigger contributor to UK CO₂ emissions than aviation – making up about 24% of all UK CO₂ emissions. On the M4 at Heathrow almost 20% of vehicles are travelling to or from the airport. BAA is working hard to increase the proportion of passengers and staff who travel to the airport by public transport.

Investing in rail

Although trains and buses still produce carbon dioxide emissions they are much more energy efficient per passenger than cars. BAA has invested £750 million in building and operating the Heathrow Express service. The non-stop rail-air link between London Paddington and Heathrow Airport operates 150 services per day carrying on average 15,000 passengers daily. This direct link to Paddington Station is specifically designed for business passengers who are amongst those most likely to drive to the airport. Heathrow Express is removing around 3,000 cars a day from London's roads helping to reduce carbon dioxide emissions and improve local air quality.

In 2005 BAA also introduced Heathrow Connect, designed for those passengers or staff who live in West London. This £30 million investment was designed to take more cars off the road. Staff are able to purchase half-price tickets on both the Heathrow Express and Connect services. BAA has also invested in the London Underground by extending the existing Piccadilly Line service to Terminal 5 and renovating the airport's existing London Underground stations.

Improving bus services

The bus and coach station at Heathrow is the second busiest bus station in the UK. Frequent services connect the airport with over 500 local and national destinations. BAA invests directly in some local bus services providing funding for cleaner buses and working with bus companies to introduce new services. The airport company also subsidises local bus routes around the airport so that all passengers, staff, or local residents can travel for free.

Encouraging staff to car share

Around 70,000 people work at Heathrow Airport. It is the biggest single-site employer in the UK. As well as offering discounts on rail services, staff are also encouraged to car share. In fact, BAA operates the largest car sharing scheme in Europe. More than 6,000 people from 300 airport companies are members of the scheme and of these around two-thirds car share three times a week. Estimates suggest that since the Heathrow car share scheme started in 2001 it has;

- prevented 53 million km of unnecessary car journeys
- cut fuel consumption by nearly 5 million litres
- saved 11 million kg of CO₂ from being emitted.

Cutting the number of delivery vehicles

In 2001, BAA opened the Heathrow Consolidation Centre to cut the number of vehicle deliveries. Rather than each company making their own delivery to the airport, deliveries are consolidated off-airport so that multiple deliveries can be made with just one vehicle. This has successfully cut the number of retail deliveries at Heathrow from 49,000 to just 8,300 a year.



Company profile:

BAA owns and operates seven airports in the UK. Including the busiest international airport in the world, Heathrow.

Privatised in the late 80's, in June 2006, BAA was bought by a consortium led by Ferrovial, the Spanish construction company.

Ferrovial is one of the world's largest construction groups, specialising in three strategic lines of business – construction, transport infrastructure and services - throughout Spain, the UK, Portugal and nine other countries in Europe and the rest of the world.

www.baa.com

www.heathrowairport.com



Investing in innovative transport schemes

BAA will host the first commercial trial of an innovative new public transport technology after Terminal 5 opens in 2008. The Personal Rapid Transit system will allow passengers to travel between Terminal 5's business car park and main terminal building in individual driverless pods. The pods are 70% more energy efficient than cars.

