

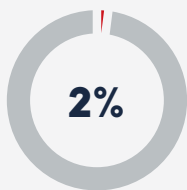
BAA Achieves 2% Cost Savings on Heathrow Terminal 5 Project

One of the most prominent new-build construction projects to ever take place in the UK and the largest construction project in Europe at the time, Heathrow Terminal 5 (T5), was a £4.3 billion (roughly \$5.7 billion) venture undertaken over five and a half years.

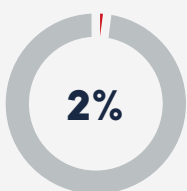
Designed to meet the challenges of the 21st century, T5 was created to provide an extra 30-35 million in passenger capacity—increasing Heathrow’s annual passenger number from around 68 million to approximately 95 million.



Key Results



Cost Savings—equating to approximately £8 million



Predicted Savings on Future Projects

The Challenge

Single Source of Truth Needed for Complex Capital Project

BAA (now Heathrow Airport Holdings) assembled a team to deliver T5, comprising of numerous Tier One contractors, suppliers, and contractors.

Due to the large and complex nature of the project—requiring a way to plan, design, and build while ensuring seamless sharing of information across the entire supply chain—BAA sought a solution to help them ensure quality and safety standards across the project.

To further drive efficiency through standardization, achieve savings across the project, and ensure collaboration, BAA deployed Asite to provide a central repository for standard BAA product information. It also needed to provide a collaboration solution that could be used throughout the company.

Another part of the challenge was for BAA to increase awareness and acceptance of collaboration tools amongst the BAA project teams. They wanted to establish one overall solution. They were already using collaboration solutions and had previously deployed several tools across their portfolio of developments.



The Solution

Central Repository and Team Buy-In

BAA already understood the value of using collaboration tools across their portfolio. They had achieved tangible results through standardizing products within their developments. An additional challenge was to refine their design and construction processes to achieve further savings.

By choosing Asite, BAA sought to refine their design, construction, and operation processes. Asite developed and provided a collaboration framework for T5 and a central repository for standard BAA product information. Asite began its implementation by identifying the organizational objectives for the solution and fully capturing BAA's working processes.

Using Asite's collaboration solutions, different BAA project teams in different locations shared, exchanged, and re-used information seamlessly via the Asite Platform. It provides a standard set of processes to request, review, and exchange information, reducing re-working and on-site errors.

BAA also utilized the central Asite products library facility to store and manage standard BAA product information. This functionality enabled standard products and components to be dropped into projects where needed, reducing redesign and ensuring all projects adopt consistent and up-to-date design information.

Additionally, as BAA wanted a level of acceptance and 'buy-in' amongst BAA teams to maximize the use of the solution, Asite facilitated comprehensive team workshops and forums. This allowed Asite to help BAA drive cultural change for an effective implementation.

The Results

Cost Savings and Improved Processes

Working with a single source of integrated project information, BAA improved collaboration and prevented costly errors. The direct result of implementing the Asite Platform equated to savings in the region of £8 million. This equates to roughly \$10.6 million.

Projects that implemented the Asite Platform were completed on time or early compared with 'best practice.' This was attributed in part to a reduction in the number of drawing revisions and duration of drawing approvals, as well as improved transparency and communication. With all tasks housed within one secure environment, BAA could centralize its knowledge base, record analytics, and allow all project members to feed into a central hub. This allowed BAA to create KPIs and benchmark work against previous projects to improve the quality of work.

Today, the modern complex spans over 350,000 sqm, which includes 50 new aircraft stands, and provides rail links to London Underground and the Heathrow Express. It played an instrumental role in accomplishing a record of 80.9 million passengers traveling through Heathrow Airport in 2019.

"Predictability is critical for BAA and our quest to achieve world-class results through our supply chain. The fact that previous Asite projects for BAA have hit delivery targets on time and under budget is proof of Asite's added value to our business. Asite has demonstrated an understanding of the technical and, more importantly, the cultural issues around process change. That sets them apart from other technology businesses."

- Matthew Riley,
BAA Commercial Director
for Terminal 5

About Asite

Asite's vision is to connect people and help the world build better.

Asite's open construction platform enables organizations working on capital projects to come together, plan, design, and build with seamless information sharing across the entire supply chain.

Asite's comprehensive range of solutions connect dispersed teams across the lifecycle of capital assets, enabling them to build better and build resilience. With Asite, capital project owners stay at the forefront of innovation, maintaining a golden thread of information throughout a project to facilitate the creation of digital twins.

Asite is headquartered in London's Tech City with regional offices in New York, Houston, Dubai, Riyadh, Sydney, Hong Kong, and Ahmedabad.

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