

OUR EXPERIENCE

A TRACK RECORD OF SUCCESSFUL AVIATION PROJECTS DELIVERY

The following highlights a selection of our team's experience



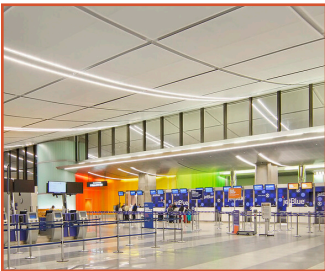
Logan International Airport, Terminal E Modernization | Boston, MA Massport

Supporting AECOM, PMA and Massport, Dharam Consulting has been instrumental in advising the design team and client on the expected cost of the project since December 2017. We have helped build a live target model to assist in the rightsizing of the project design. Dharam has worked from concept through to present 60% design and is now working with the construction manager in continuing the live cost estimating process



Logan International Airport, Terminal B Expansion + Renovation | Boston, MA Massport Parsons Brinkerhoff + AECOM | 265,000 SF | \$135 million

We performed complete Concept to CD/ BID cost estimating, including 30% and 60% design estimates for all trades, examined costs by funding source and TVD area breakout, reconciled and increased budget per our concept estimate, and undertaken Concept to CD/ BID cost estimating. The expansion included CBIS, CBRA, TSA, United Airlines, Club Lounges & central Massport areas, complete MEP & infrastructure replacement, façade upgrades, entrance upgrades, baggage handling facilities to support changes, significant FIDS & BIDS scope.



Logan International Airport, CBIS Recapitalization/Optimization Project | Boston, MA Massport, Parsons Brinkerhoff + AECOM | 100,000 SF

Checked baggage inspection systems (CBIS) relocation and re-configuration project entailed various improvements to the CBIS in seven separate bag rooms at the airport. Re-configuration of baggage handling systems and all associated demo and MEP infrastructure to mobilize the projects, including baggage scanning units. We undertook concept to CD./ BID cost estimating.



La Guardia Central Terminal B Building Replacement | NY, NJ

The Port Authority of NY & NJ + Parsons Brinckerhoff + HOK | 1,400,000 SF

The project will create a new central entry portal to the airport, linking four previously unconnected terminals through one new facility. Expansion included, Headhouse, Concourse, Bridges, Central Heating and Refrigeration Plant. For this \$2.6 billion terminal project we provided change order management.



Goddard Space Flight Center | Greenbelt, MD

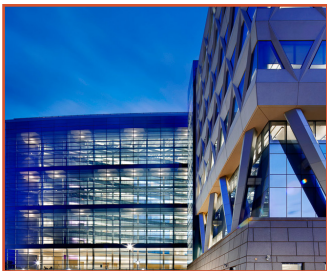
New Flight Projects Building project at NASA's Goddard Space Flight Center in Greenbelt, Md. The building, designed by AECOM, was designed to bring in light and will include a "green" roof. The new building is approximately 120,000 square feet, with four stories of office space and a mechanical penthouse on the roof. The interior design includes the use of removable partitions that will allow for ultimate flexibility and reorganization of staff as needs change.



Airports are becoming ever more complex and we can expect to see an even greater reliance on technology for the design and building of future facilities. **Dharam Consulting** has full understanding of airport project delivery methods and their technical and regulatory challenges. We use our skills to carefully manage risks and exploit opportunities, and work with our aviation clients to deliver successful projects under various procurement methods. We have several successful completed and active aviation projects, and are experienced working with top tier clients including developers, designers and architects on a wide variety of projects incorporating technology, and sustainable design.

Our cost and risk management services provide specialized expertise across the airport project life cycle to reduce client risk, improve value and deliver positive outcomes for airport owners and operators. Throughout planning and procurement, we establish cost effective budgets to inform client funding requirements and the project business case; analyze risks presented by the project and provide risk transfer and mitigation reviews; assess regulatory requirements, provide design review oversight, and assess capital expenditure programs, including schedule and project costs provide procurement and bid management advice, including due diligence on design-builder and operator capabilities.

We recognize that contract management is essential for project success from pre-operative state until asset transfer. Post contract, we provide commercial management services, monitoring contracts throughout the project phases, ensuring continued performance and the delivery of project value for money.



**Army Corps of Engineers, National Geospatial Intelligence Agency | Fort Belvoir, VA
2,500,000 SF**

Fast-track campus construction project consolidated seven NGA locations into a new 2.5 million square feet campus that meets sensitive compartmented information facility security standards. The campus includes administrative areas, technology center, central utility plant, auditorium, conference center, education and training spaces, visitor control center, a six-level parking garage and a pedestrian bridge. This project is LEED Gold certified.



**London Heathrow, Terminal 3, New Departures + Coaching/ Transfers | London, UK
BAA (British airport authority) + WSP | 250,000 SF | \$ 200 Million**

Expansion included, new ticketing, baggage handling & coaching/ transfers facility; complete MEP & infrastructure replacement, façade upgrades, entrance upgrades, significant FIDS & BIDS, ticket counters. We undertook concept to CD/ BID cost estimating, established and managed the project budget from concept to completion, project controls, account management including agreement of all sub contract packages under NEC OPTION C contract; bid leveling and review of CM/GC bids; management of all change orders, and final account agreements for key sub-contract packages.



London Heathrow, Terminal 5, Concourse C, UK

Terminal 5C is Heathrow Terminal 5's second satellite building, completing the development. The project added 12 pier-served stands – eight of which able to accommodate new generation aircraft such as the A380. T5C is designed in the same mould as the main building and T5B, its predominantly glazed exterior optimizes the use of natural light, while also providing passengers with extensive views of the airfield.



T.F. Green Runway & EMAS expansion | Warwick, RI

We provided budget reconciliation & adjustments on this project to enhance the safety areas and efficiency of runways. The project installed an Engineered Materials Arrestor System (EMAS) for the Runway 16, a system designed to quickly slow down and then stop an aircraft should the aircraft overrun the end of a runway. The EMAS bed at the Runway 16 end measures 255 feet x 170 feet and consists of 2,646 blocks, built to order specifically for the Green Airport Expansion Program.

Dharam Consulting is an Independent Construction Consultancy specializing in providing proactive and value adding Cost and Risk Services that contribute towards successful outcomes for our clients and their projects.
(A registered MBE/DBE company)

DHARAM
CONSULTING

ABOUT US

We are an experienced independent construction consultancy and we concentrate on doing what we do best – providing an intelligent, objective perspective which goes beyond measuring and pricing – delivering the highest quality pre-construction services, cost and budget management, risk, schedule, logistics, and procurement advice to clients.

Project benchmarking, market intelligence and data analytics support our services. We are a certified Minority Business Enterprise.

We have a deep understanding of the critical cost drivers and the administrative realities of working on Government projects. One of our most valued contributions is our ability to bring a balanced and independent viewpoint.

Our services are based upon strong relationships and trust, and our professional advice is grounded in a fundamental understanding of what matters to the project owner, architect and other stakeholders on a high-quality federal or publicly funded project, enabling our clients to deliver their vision.

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