

Stansted Generation 2

Strategic Master Plan

The Brief

Stansted International is Europe's fastest growing airport endorsed by the UK Government's recent white paper.

The £4bn project, set to contain a new terminal building, a second runway and the associated road and rail links, is currently in the phase of securing planning consent. One of BAA's, and therefore Forward Group's, key design principles is the recognition of the need to balance operating efficiency and good customer service with value for money.

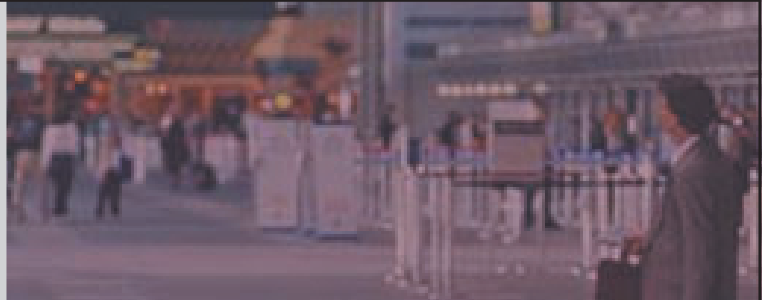
Forward Group's responsibilities in preparing the strategic briefing included:

- Aircraft operations
- Retail and logistics planning
- Surface access and transit infrastructure
- Environmental impact
- Passenger experience and process
- Business disruption and contingency planning

FORWARD

GROUP

- Aviation
- PFI
- Built environment



Services Provided

- Operating strategies definitions
- Operating cost forecasting
- Options appraisal
- Strategic briefing

Our Approach

Forward Group was commissioned to analyse, evaluate and capture the development options and operating effectiveness of different facets of each of twenty-three master plan development options. The following ten criteria represent some of operating activities that were identified and evaluated:

- Airside transportation
- Aircraft fuel for taxiing
- Baggage systems, processes and operations
- Control Authority and Emergency Services
- On airport heavy rail
- Airline operational staff
- Terminal operations staff
- Retail staff and associated logistics
- Car parking coaching operations
- Landside transportation

The Results

The operational viability and associated operating costs of each option were reviewed against predefined and agreed measures to generate a qualitative and quantitative report covering recommendations, analysis and conclusions.

A level of clarity and conviction was brought to the decision making process at a very early point in the development process. The savings in time and money at all subsequent stages of the project, whilst difficult to quantify are, none the less, significant. The benefits extend still further.

Documenting the assumptions, base data and underlying logic, facilitates implementation of change management and control without jeopardising or diluting the original strategies and project goals; whilst constantly re-aligning delivery with changes to requirements and constraints.