

BRISBANE INTERNATIONAL TERMINAL

Part 1 – Project Introduction

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INTRODUCTION

The project was developed and is owned and operated by the Federal Airports Corporation.

In 1990, the FAC held a competition for Concept Design. Civil & Civic's team with Architectural and Structural design by Bligh Voller and Connell Wagner respectively won this first stage of project delivery. Civil & Civic were also successful in being appointed as Project Managers based on a fee and team competency competition. The Project Management Commission was broken into defined stages :

- Proving Phase – Testing and refining the Concept Design
- Confirmation Phase – Preparation of Design, Scope, Quality, Programme and provision of a Guaranteed Maximum Price
- Commitment Phase – Design Documentation, Construction and Commissioning of the operational facility

Each stage had certain deliverables and criteria to be achieved before appointment to the next stage.

The approach provided FAC a singularly accountable organisation for design fitness for purpose, time, cost and quality. Through these combined responsibilities Civil & Civic was able to optimise design and construction solutions.

The Project Development Cost was just under \$250 M which on a pro rata basis was less than comparable airport projects in Australia and off shore and within FAC's budget.

Following sand surcharging of the site, construction commenced in September 1993 and completed in August 1995 with operations commencing from the 12th September 1995. This opening date was four months earlier than the planned date of January 1996. The project had a peak site workforce of over 800 and reached a peak monthly cash flow of \$15 M.

Civil & Civic engaged a combination of local, interstate and international consultants and subcontractors. This team has provided a project which not only exceeds FAC's time and cost objectives, but also is flexible for expansions to suit the high growth rate, is technically sophisticated by world standards, is well accepted by the many airline, retail and Government agency stakeholders and above all provides South East Queensland a modern user friendly gateway.

The project was awarded for its innovations in safety and training during construction and since completion has to date received 8 separate Industry Awards for Project Management, Design and or Construction.

Chris Clarke and Max Kilmister shall now present examples of how Lightweight Design Solutions have formed a part of the project solution.