

**PROJECT**

Beirut International Airport



**LOCATION**

Beirut, Lebanon

**END USER**

Council of Development & Reconstruction (CDR)

**CONTRACTOR**

CCIC – Greece Hochtief – Germany  
Karagulla Engineering, Lebanon  
Ramco Contracting, Lebanon

**CONSULTANT**

Dar El-Handasah (Shair & Partners)

**PIPE SYSTEMS CONSULTING ENGINEERS**

Dynaflow International Inc., U.A.E.

**COMPLETION DATE**

1998

**DESCRIPTION**

The rebuilding of the Beirut International Airport was an integral step in the government’s endeavors to promote Lebanon after the war, and to revive its status as a tourist and business gateway for the Middle East. The new airport is designed to handle more than 6 million passengers every year. This state-of-the-art airport was built at a cost of 500 million US Dollars.

**PIPE SYSTEM**

Applications for our pipes included:  
Sewer Line Diameter 300mm – 1600mm  
Storm Water Diameter 300mm – 1000mm  
Fire Fighting Diameter 300mm – 400mm  
Potable Water Diameter 900mm – 1000mm  
25 km of Glass Reinforced Polyester Pipes, with 6, 10, 12 & 18 bars working pressure and stiffness classes of 5,000 N/m<sup>2</sup> and 10,000 N/m<sup>2</sup>. A wide range of accessories, fittings and spools was also provided.

**SCOPE**

Detailed isometrics, bill of materials and spool drawings  
Detailed design of the GRP Pipes supporting system inside a concrete tunnel  
Manufacture and delivery of pipes & fittings  
Site Installation supervision

**THE FPI ADVANTAGE**

This project was a challenge and an opportunity for FPI to prove that GRP products are of higher quality, environmentally safe and more economical in the long run compared to conventional piping system such as Ductile Iron and Asbestos Cement pipes. This project is a major highlight in FPI’s history, as it has successfully proven the competitiveness and suitability of FPI’s GRP products in low and high-pressure lines, as well as its capabilities as a complete pipe system solution provider.