

## New Doha International Airport

### Design and Construction Support for Information Technology, Security, Telecommunications, and Baggage Handling Systems



**Location:**  
Doha, State of Qatar

**Construction Cost:**  
\$12 Billion

Ross & Baruzzini was selected to provide design and construction support for the information technology (IT), telecommunications, security and baggage handling systems for this new overseas International Airport program.

Ross & Baruzzini is responsible for the design of comprehensive IT, telecommunications and specialty systems including the access control and closed circuit television system (CCTV). The project includes backbone cabling and routing infrastructure and management, communication rooms and telephone systems, network management and virtual local area networks (VLAN), a master clock, common use terminal equipment (CUTE) and a multi-use flight information display system (MUFIDS). The MUFIDS includes a baggage information display system (BIDS), dynamic signage, visual paging, gate management, ramp information display systems (RIDS), an airport operations database (AOD) and other wireless and radio systems.

Ross & Baruzzini also provided the concept design for the baggage handling system which includes controls, multiple level security screening, early bag storage, sortation and tracking procedures for all inbound, outbound and transfer baggage, network interfaces, baggage reconciliation, software and equipment.

This project is led by a major program management firm located in the United States. The new airport will ultimately handle 48 million passengers per year. The initial phase of the construction includes building 26 aircraft gates and approximately 1.5 million square feet of terminal space, with an ultimate build out of 80 gates.