Airports are among the most complex and dynamic environments for systems design. Continuously evolving user needs, security concerns and technology demand that airport system architectures be open to facilitate change, as well as the exchange of information with users and other systems.

For more than 20 years, Arora Engineers, Inc. (Arora) has concentrated on the Aviation industry as a core client. The firm’s solid mix of industry knowledge and expertise allows it to offer a broad spectrum of engineering services, including oversight, project management and design of new and existing mechanical, electrical, plumbing, electrical aeronautical, fire protection and IT building and airfield systems. Arora also provides construction management and facilities maintenance management.

Mainline and medium hub airport markets such as Philadelphia, Baltimore, Atlantic City, Washington and New York have relied on Arora for some of their most vital projects. The firm’s multidisciplinary approach offers clients comprehensive, cost-effective solutions to their most challenging situations.

Arora’s technical staff has both the understanding of and experience in airport engineering systems and their integration to enable the successful programming, design and implementation of specialized building systems and airfield projects. From the initial design process, bid services and cost estimation to construction and ongoing facility maintenance and management, Arora’s team of professionals is equipped to address any problem, and most importantly, to find the right solution.

Arora understands the critical nature of responsiveness and quality control. “By coupling our highly educated and experienced engineers with leading-edge engineering practices and technologies, our efforts are more streamlined and efficient,” explains Manik K. Arora, P.E., the firm’s President and CEO. “This is the perfect complement to our personal, hands-on approach.”

**Services**

Arora’s impressive portfolio of work includes systems infrastructure experience in:

- Access control and badging
- Airfield lighting/signage
- Airport sound insulation
- Automatic vehicle identification
- Audio/video program automation
- Baggage handling
- Broadband information networks
- Building and perimeter security
- Building management systems
- Broadcast origination, cable television
- Central and outside plant design
- Clock and timing
- Closed circuit television
- Common User Terminal Equipment (CUTE)
- Communications/power duct bank design
- Crash/fire/rescue facilities
- Deicing pads and facilities
- Emergency power generation
- Fire and life safety systems
- Flight information display systems (MUFIDS)
- HVAC systems/plumbing
- Lighting control design
- Mass notification systems
- NAVAIDS
- Parking facilities
- Pavement surface sensor systems
- Power distribution
- Runway rehabilitation
- Security master planning, access control and surveillance
- Structured cabling (fiber and copper backbone)
- Terminal building system improvements
- Universal cable and distribution systems
- Voice paging and program distributions

In creating a secure environment for airline passengers, Arora strives to find innovative solutions to improve the infrastructure and operation of airport facilities. The firm’s impressive synergy helps its clients achieve their long- and short-term goals. To find out more about Arora, log on to www.aroraengineers.com.

**Minority Certifications**

Arora is certified as a Minority Owned Business by several authorizing agencies, including the City of Philadelphia, Metropolitan Washington Airports Authority, the Port Authority of New York and New Jersey, New York State, the Rhode Island Airport Corporation and many state departments of transportation.

*Prepared by Manik K. Arora, P.E. President & CEO*