



Aviation and Transportation Projects

Rethinking Infrastructure®



aroraengineers.com



Rethinking Infrastructure®





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At Arora Engineers, we believe infrastructure needs to do far more than provide a seamless, safe, sustainable, and comfortable environment. Our goal is to maximize its role, impact, and value through highly intelligent solutions that not only meet operational needs, but forward business objectives.

We meet the evolving needs of the world's most critical industries – aviation, transportation, and education – through more intelligent, sustainable, and connected infrastructure solutions that maximize value for our clients and partners.

SMARTER INFRASTRUCTURE MAXIMIZES VALUE

A blurred image of a high-speed train in motion, with streaks of light and motion blur creating a sense of speed. The train is dark blue or black, and the background is a mix of warm orange and yellow light streaks.

EXPERTISE

Throughout our 30-plus year history, we have held ourselves to rethinking the role of the traditional MEP firm. As a result, we've evolved our capabilities to emphasize the technology and processes that connect systems infrastructure, improve operations and longevity, and make life safer and easier for those who use it.

Arora specializes in providing engineering services tailored for clients in aviation, transportation, education, government, and commercial sectors and has developed a unique understanding of the challenges and opportunities facing these critical industries.



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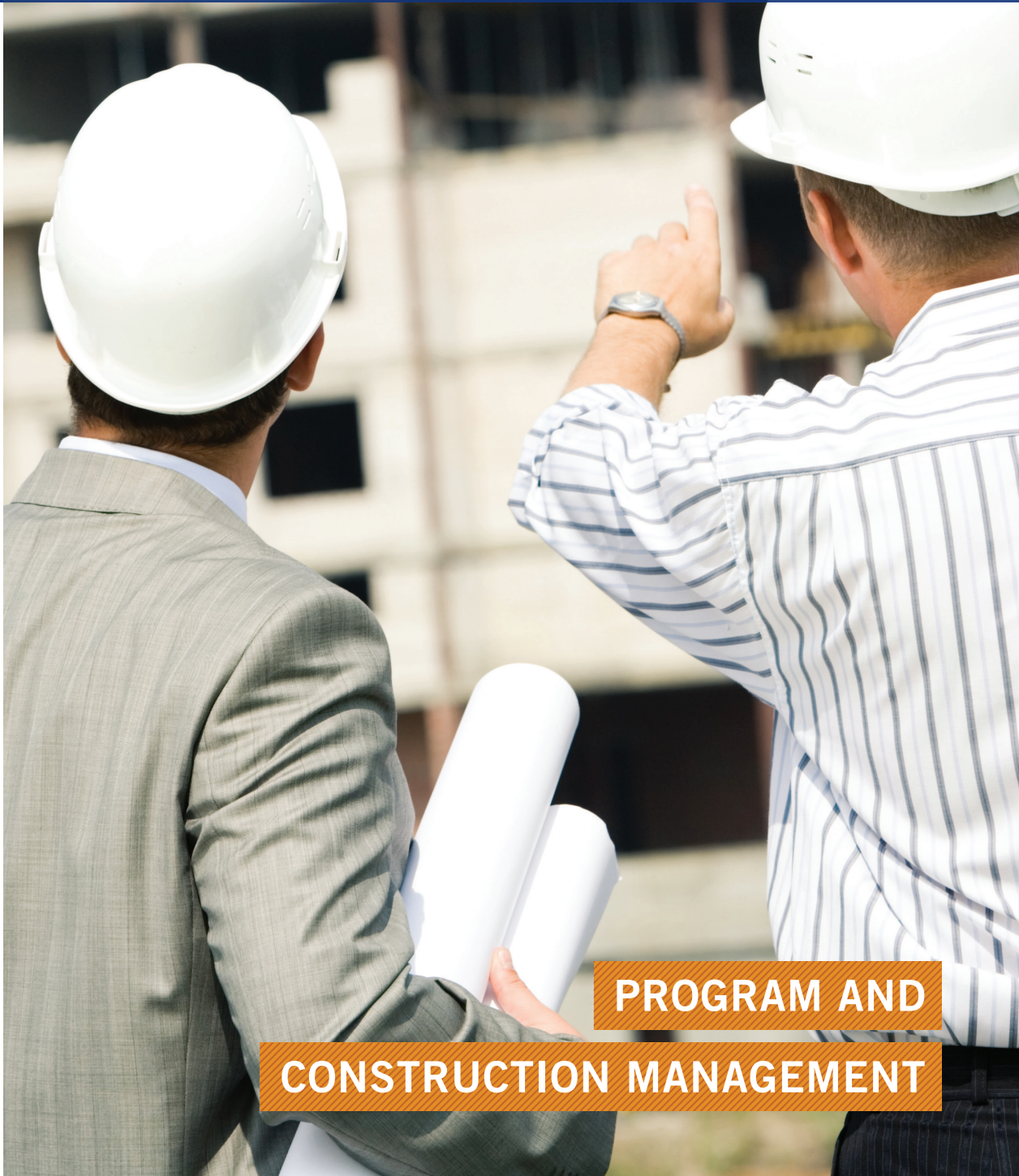


Services

Arora takes a **holistic approach** to its national engineering practice serving clients at every stage of the project life cycle. During the planning and design phases our engineers provide **expert insights** based on **decades of experience**.

PLANNING AND DESIGN





PROGRAM AND CONSTRUCTION MANAGEMENT

Once the final vision has been realized in the design phase, our construction and program management professionals will ensure that vision is achieved correctly during construction. Our focus then turns toward ongoing maintenance and management to ensure optimal operations and longevity, and so our clients can maximize their return on an infrastructure investment.

At every stage, Arora's team of engineers is equipped to innovate and **provide solutions** for our clients' **infrastructure challenges**.



FACILITIES

MANAGEMENT



ASSET

MANAGEMENT /

IWMS



INFORMATION

TECHNOLOGY

Arora's national engineering practice is built on the principles of **innovation, responsiveness, and quality.**

We work at all stages of the project delivery process – from initial planning and design to program and construction management and ongoing facilities management services – with an eye toward bringing ideas, processes, and approaches that will help you not only meet your infrastructure needs, but accomplish your overarching business objectives and seize new opportunities.

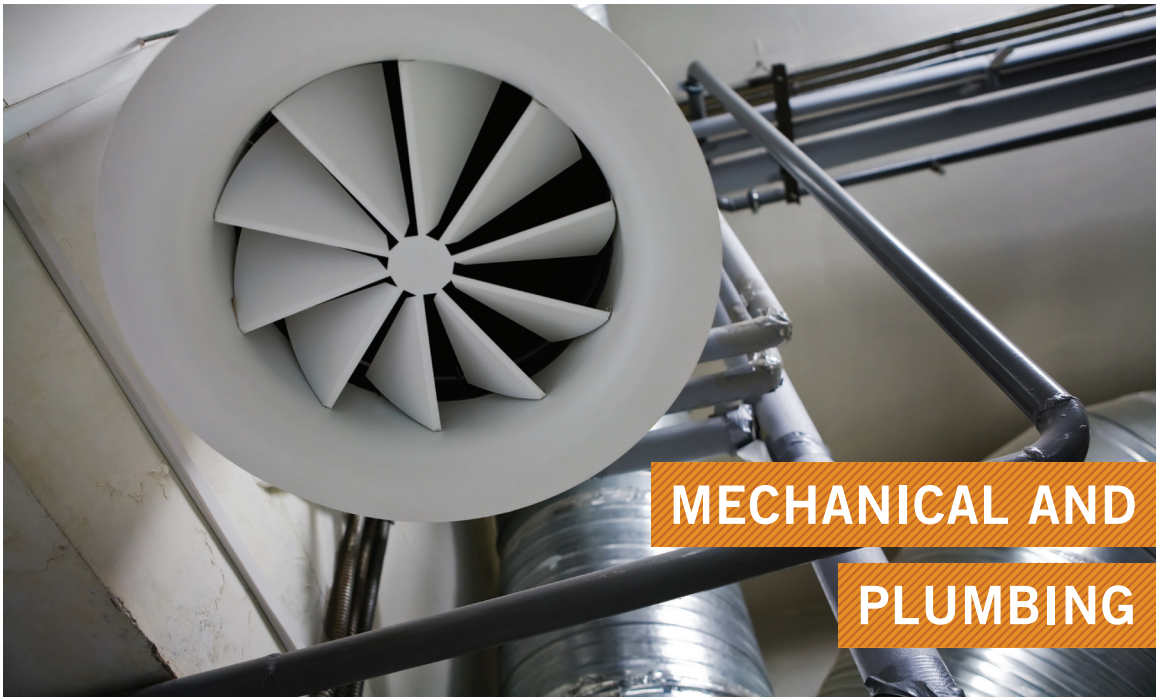


AIRFIELD

ELECTRICAL



ELECTRICAL



MECHANICAL AND PLUMBING

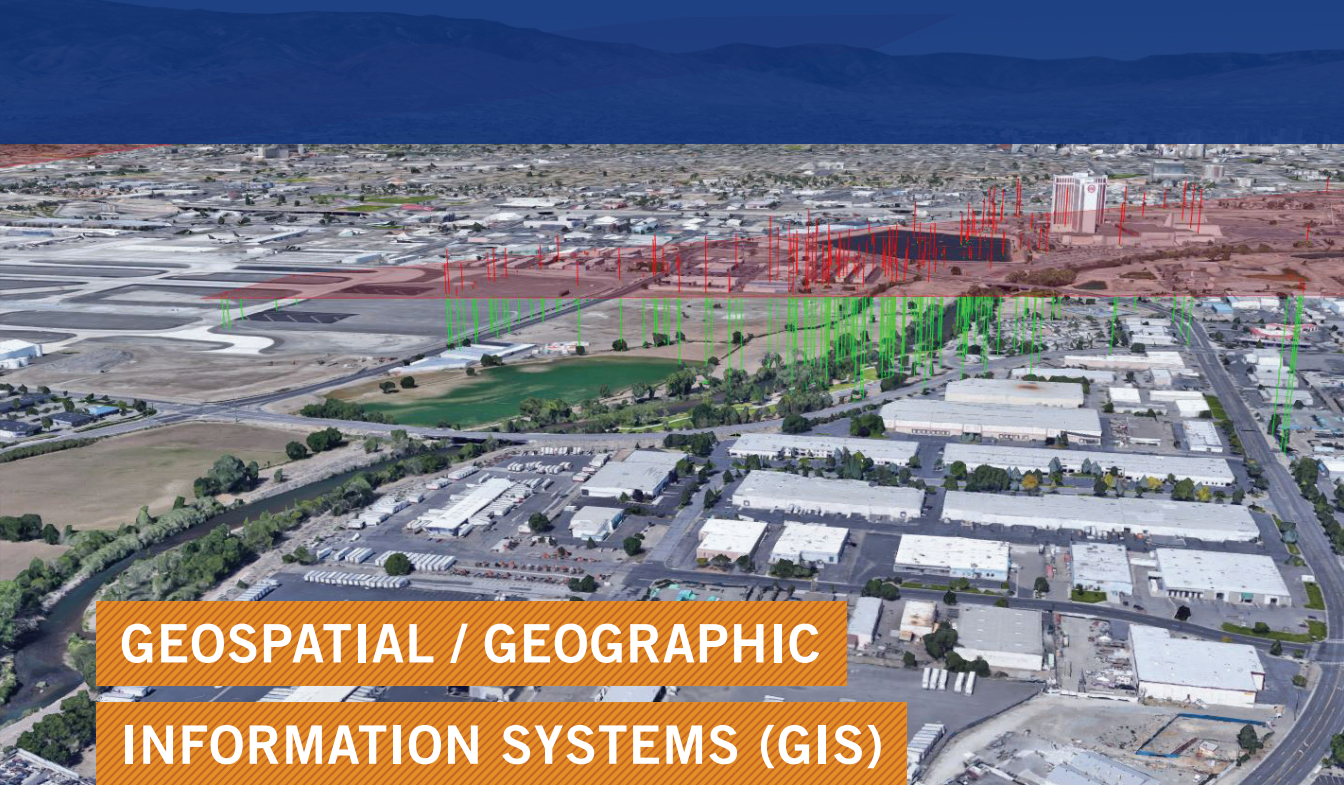
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we've held ourselves to rethinking the role of the traditional MEP firm. As a result, we've evolved our practice to emphasize the technology and processes that connect systems infrastructure, improve operations and longevity and make life safer and easier for those who use it.

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FIRE / LIFE SAFETY



GEOSPATIAL / GEOGRAPHIC INFORMATION SYSTEMS (GIS)



SPECIAL SYSTEMS / TECHNOLOGY



Arora has been serving the **aviation** industry for decades.

We've designed **billions of dollars** of construction on airside and



land-side projects at some of the **largest airports** in the U.S.

PHL TERMINAL F HUB EXPANSION AND BAGGAGE CLAIM



Owner: City of Philadelphia, Division of Aviation

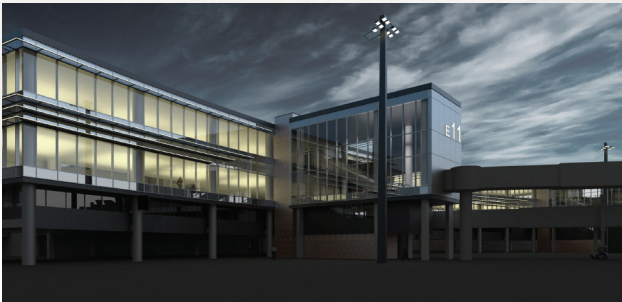
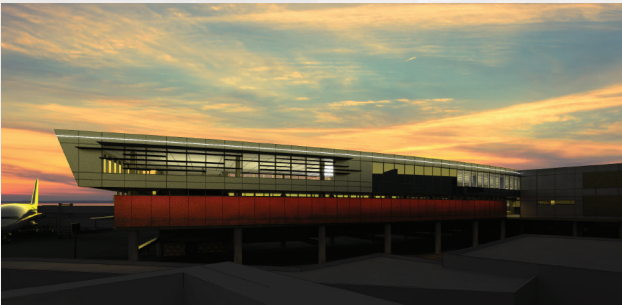
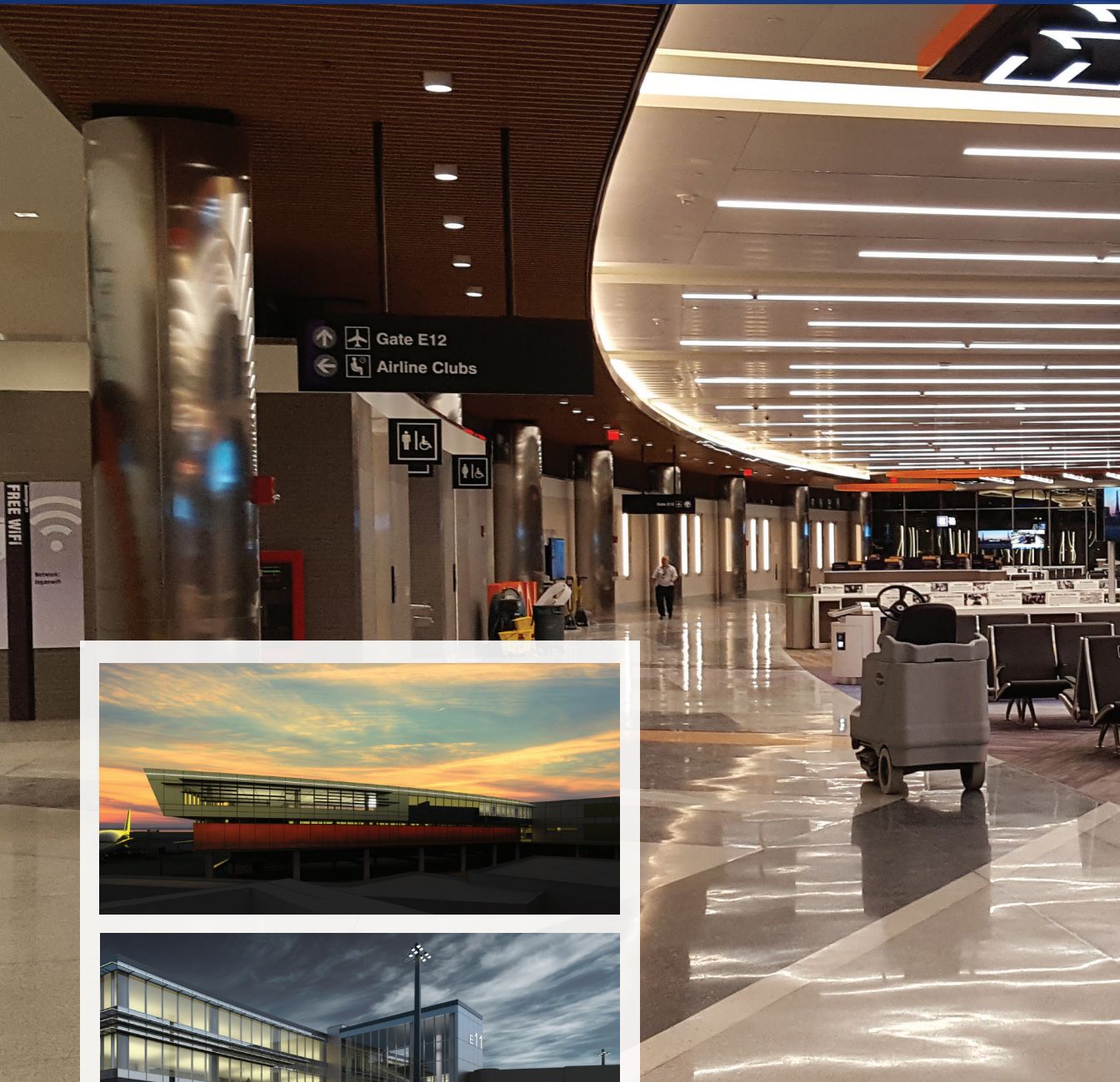
Services: Planning and Design

Disciplines: Digital Signage / EVIDS, Electrical,
Fire / Life Safety, Mechanical and
Plumbing, Special Systems / Technology

Construction: \$150,000,000



BOS TERMINAL E ENHANCEMENTS



Renderings courtesy of AECOM



Owner: Massachusetts Port Authority

Services: Planning and Design, Program and Construction Management

Disciplines: Digital Signage / EVIDS, Electrical, Fire / Life Safety, Mechanical and Plumbing,
Special Systems / Technology

Construction: \$90,000,000 (Est.)

DCA TERMINAL B/C LONG-TERM REDEVELOPMENT PROGRAM



Rendering courtesy of MWAA



Owner: Metropolitan Washington Airports Authority

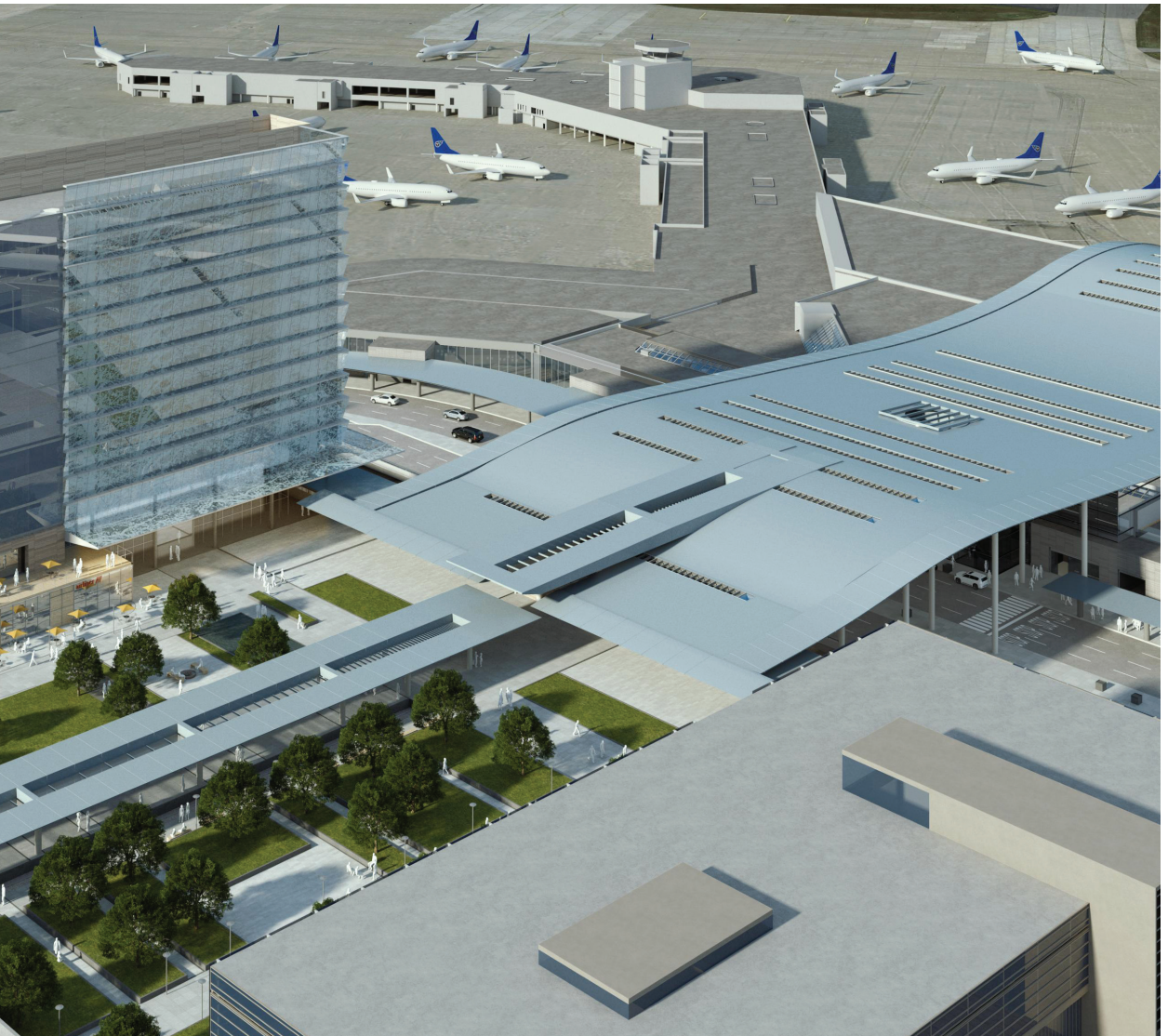
Services: Planning and Design

Disciplines: Electrical, Fire/Life Safety, Mechanical and Plumbing

Construction: Not Available

Projects: Relocation of Corporate Offices; New North Concourse; Secure National Hall

BNA TERMINAL GARAGE & AIRPORT ADMINISTRATION BUILDING



Rendering Courtesy of Metropolitan Nashville Airport

Owner: Metropolitan Nashville Airport Authority
Services: Planning and Design, Program and Construction Management
Disciplines: Special Systems / Technology
Construction: \$144,600,000

LGA CENTRAL TERMINAL BUILDING AND WEST PARKING GARAGE



Photos courtesy of Walsh Construction

Owner: Port Authority of New York and New Jersey

Services: Planning and Design

Disciplines: Fire / Life Safety, Special Systems / Technology

Construction: \$4,350,000,000

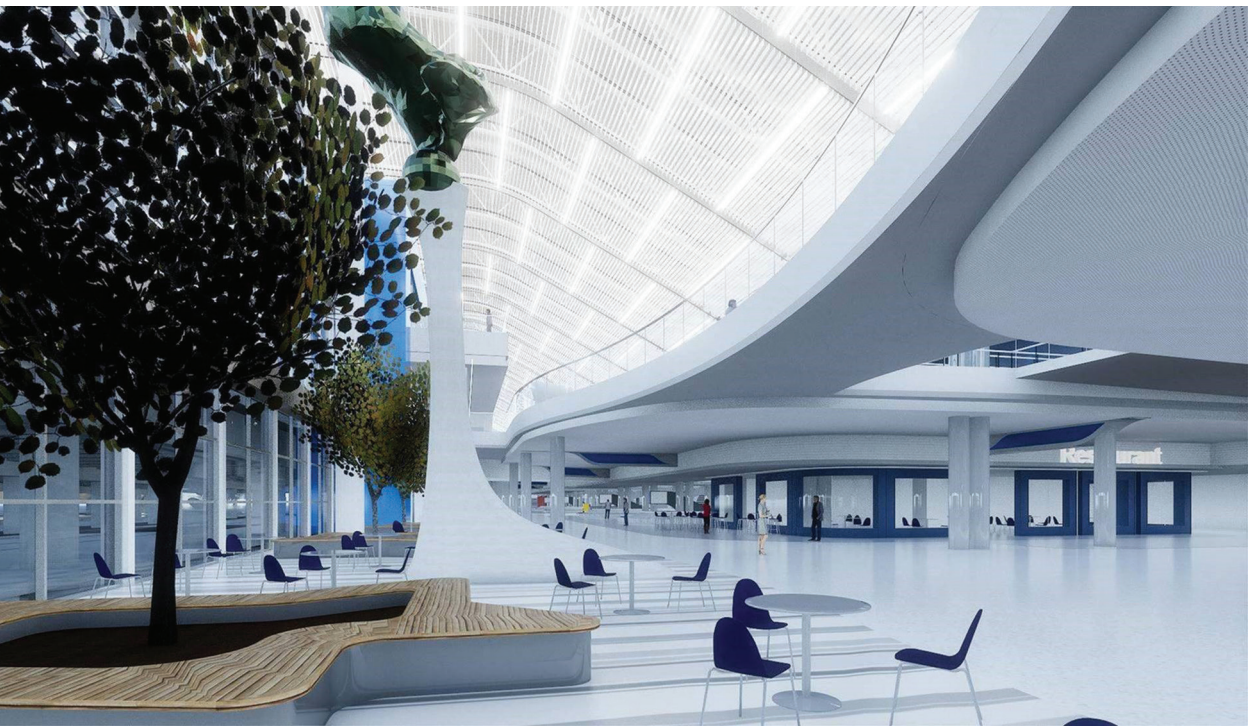


Rendering courtesy of Grimshaw Architects



Owner: Port Authority of New York and New Jersey
Services: Planning and Design, Program and Construction Management
Disciplines: EVIDS, Fire Protection, Special Systems / Technology
Construction: \$1,200,000,000

CLT TERMINAL LOBBY EXPANSION



Renderings courtesy of Charlotte Douglas International Airport

Owner: City of Charlotte Aviation Department

Services: Planning and Design

Disciplines: Electrical, Special Systems / Technology

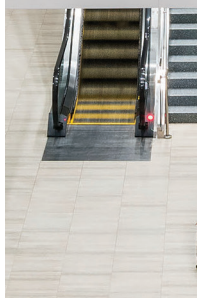
Construction: \$350,000,000

ATL WEST PARKING DECK RECONSTRUCTION & REPLACEMENT



Owner: City of Atlanta, Department of Aviation
Services: Planning and Design
Disciplines: Electrical, Fire/Life Safety,
Mechanical and Plumbing
Construction: \$175,000,000

TPA ConRAC AND AUTOMATED PEOPLE MOVER





Owner: Hillsborough County Aviation Authority
Services: Program and Construction Management, Planning and Design
Disciplines: EVIDS, Special Systems / Technology
Construction: \$950,000,000

ABE MULTIMODAL TRANSPORTATION FACILITY





Owner: Lehigh–Northampton Airport Authority

Services: Planning and Design, Program and Construction Management

Disciplines: Airfield Electrical, Electrical, Fire /Life Safety, Mechanical and Plumbing, Special Systems / Technology

Construction: \$6,000,000

DTW DIGITAL SIGNAGE UPGRADE

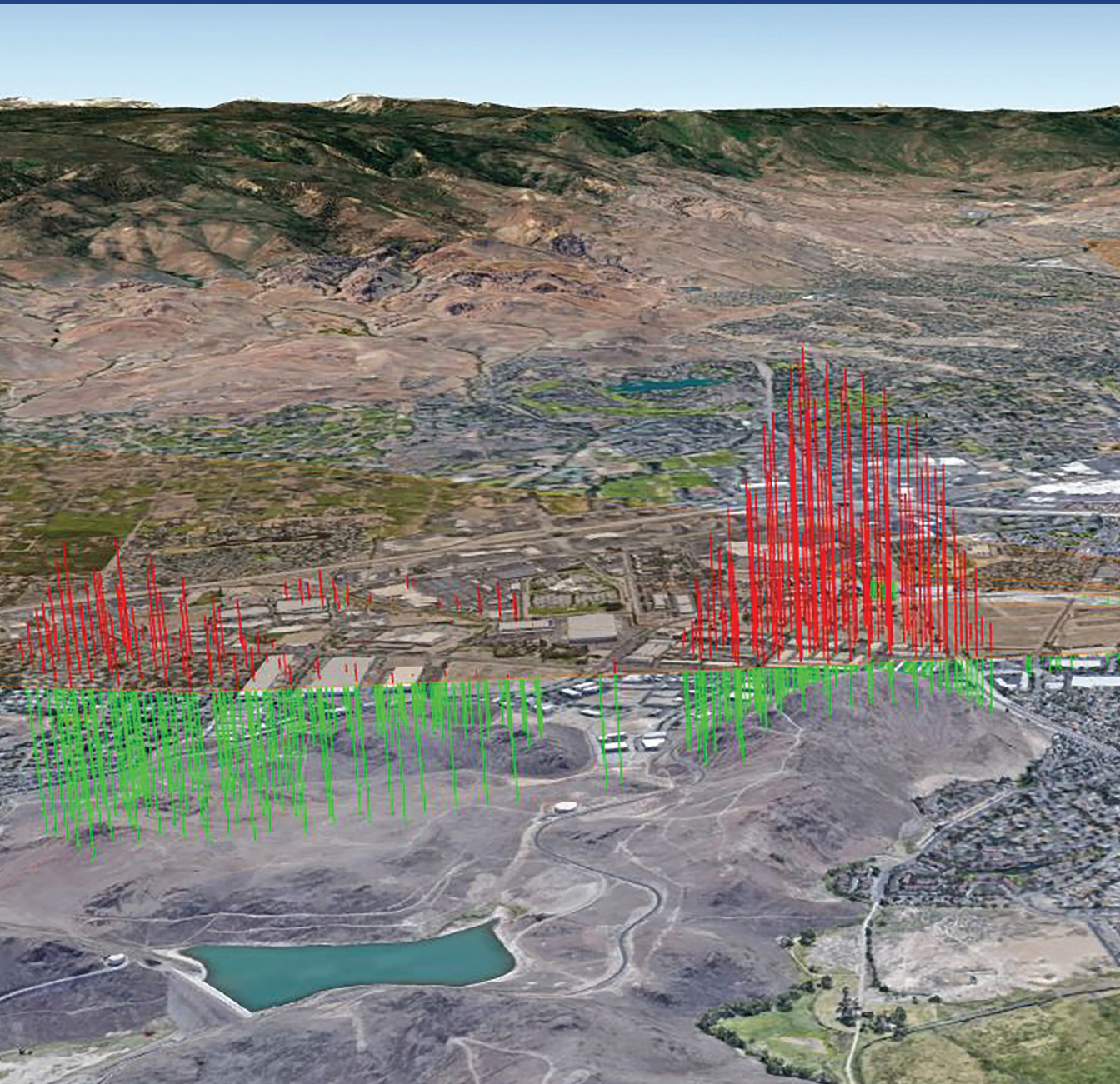


Owner: Wayne County Airport Authority
Services: Design, Build, and Maintain
Disciplines: Special Systems / Technology, Electrical, Program and Construction Management
Construction: \$3,000,000

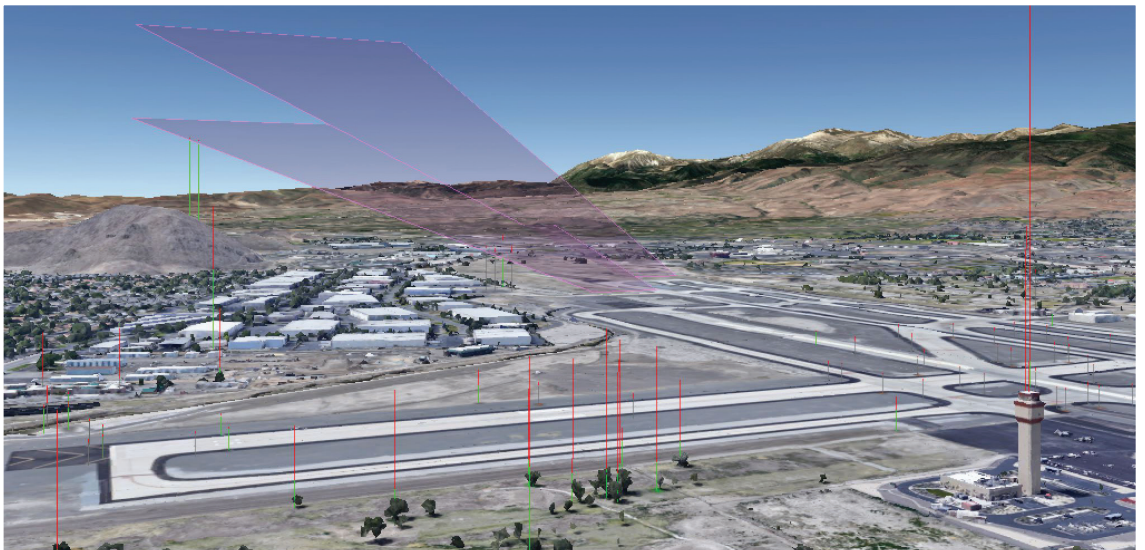
PHL MULTI-USER FLIGHT INFORMATION DISPLAY SYSTEMS (MUFIDS)



Owner: City of Philadelphia, Division of Aviation
Services: Planning and Design, Program and Construction Management
Disciplines: EVIDS, Special Systems / Technology
Construction: \$4,000,000



Owner: Reno-Tahoe Airport Authority
Services: Planning and Design
Disciplines: GIS
Construction: N/A



PHL TERMINAL D / E EXPANSION AND MODERNIZATION



Owner: City of Philadelphia, Division of Aviation

Services: Program and Construction Management

Disciplines: Electrical, Mechanical and Plumbing,
Special Systems / Technology

Construction: \$300,000,000





Train

As **passengers** we travel to many different places.

that

Spoor - ion

A white line-art icon of a train engine, enclosed within a white circle. The icon is positioned in the center of the page, between the words 'Spoor' and 'ion' of the large title.

As **engineers**, we build the infrastructure it takes to get there.





Owner: Washington Metropolitan Area Transit Authority

Services: Planning and Design

Disciplines: Electrical, Mechanical and Plumbing, Fire / Life Safety

Construction: N/A





Owner: Port Authority of New York and New Jersey

Services: Planning and Design

Disciplines: Electrical, Fire / Life Safety

Construction: \$40,000,000

LINCOLN TUNNEL ACCESS CONTROL SYSTEM UPGRADES



Owner: Port Authority of New York and New Jersey

Services: Planning and Design

Disciplines: Special Systems / Technology

Construction: \$2,400,000

| PALISADES INTERSTATE PARKWAY HELIX RAMP REPLACEMENT |



Owner: Port Authority of New York and New Jersey

Services: Planning and Design, Program and Construction Management

Disciplines: Electrical, Fire / Life Safety

Construction: \$30,000,000

15TH ST. & CITY HALL STATION AND DILWORTH PLAZA RENOVATIONS



Rendering courtesy
of BLTA Architects



Owner: Southeastern Pennsylvania Transportation Authority

Services: Planning and Design

Disciplines: Electrical, Fire / Life Safety, Mechanical and Plumbing, Special Systems / Technology

Construction: \$150,000,000





Owner: Massachusetts Bay Transportation Authority

Services: Planning and Design

Disciplines: Electrical, Fire / Life Safety, Mechanical and Plumbing

Construction: \$1,100,000,000

GOETHALS BRIDGE REPLACEMENT PROJECT



Owner: Port Authority of New York and New Jersey

Services: Planning and Design

Disciplines: Fire / Life Safety

Construction: \$1,500,000,000

SEPTA SUBSTATION REHABILITATION PROJECTS



Top photo © SEPTA | All rights Reserved

Owner: Southeastern Pennsylvania Transportation Authority

Services: Planning and Design

Disciplines: Electrical, Fire / Life Safety, Mechanical and Plumbing, Special Systems / Technology

Construction: \$130,400,000





Owner: Delaware River & Bay Authority

Services: Planning and Design

Disciplines: Electrical

Construction: \$4,000,000



Owner: Metropolitan Transportation Authority - Long Island Rail Road

Services: Planning and Design

Disciplines: Fire / Life Safety

Construction: \$9,000,000,000

QUEENS MIDTOWN TUNNEL CONTROL ROOM RENOVATIONS



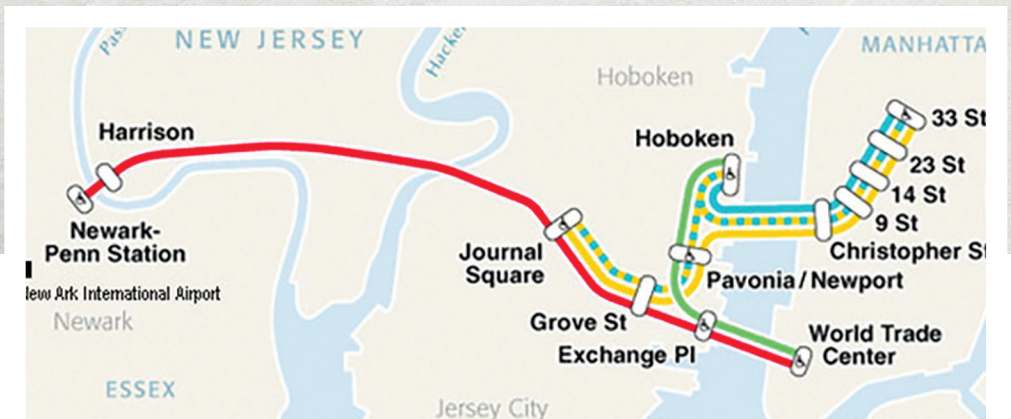
Owner: Metropolitan Transportation Authority - Bridges and Tunnels

Services: Planning and Design

Disciplines: Electrical, Fire / Life Safety, Mechanical and Plumbing, Special Systems / Technology

Construction: \$23,000,000

PATH FIRE ALARM REPLACEMENT





Owner: Port Authority of New York and New Jersey
Services: Planning and Design
Disciplines: Fire / Life Safety
Construction: N/A





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Intra struc ture



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