ARORA®

Aviation and Transportation Projects

Rethinking Infrastructure®


aroraengineers.com


Rethinking Infrastructure®



Rethinking Infrastructure®

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





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.

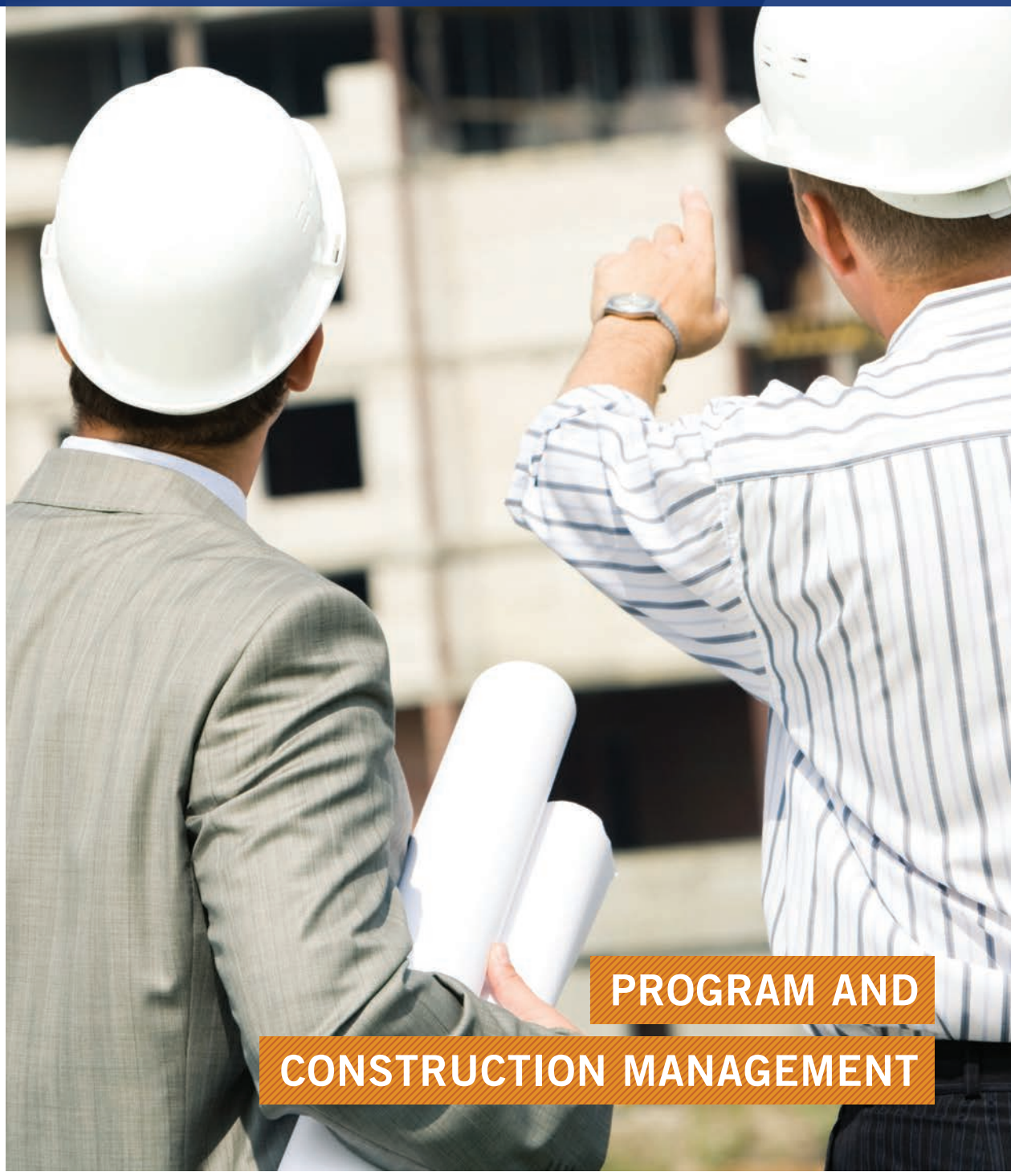

Serv


ices

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

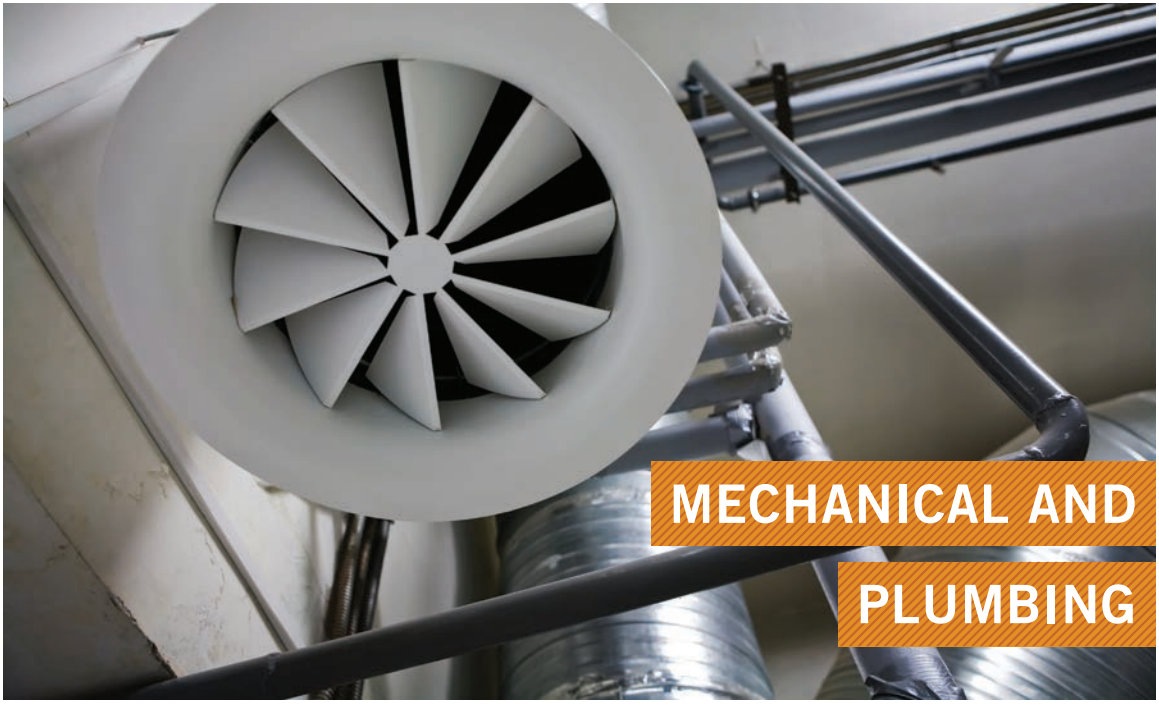
Arora's national engineering practice is built on the principles of **innovation, responsiveness,** and **quality.**

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.





ELECTRICAL



MECHANICAL AND PLUMBING

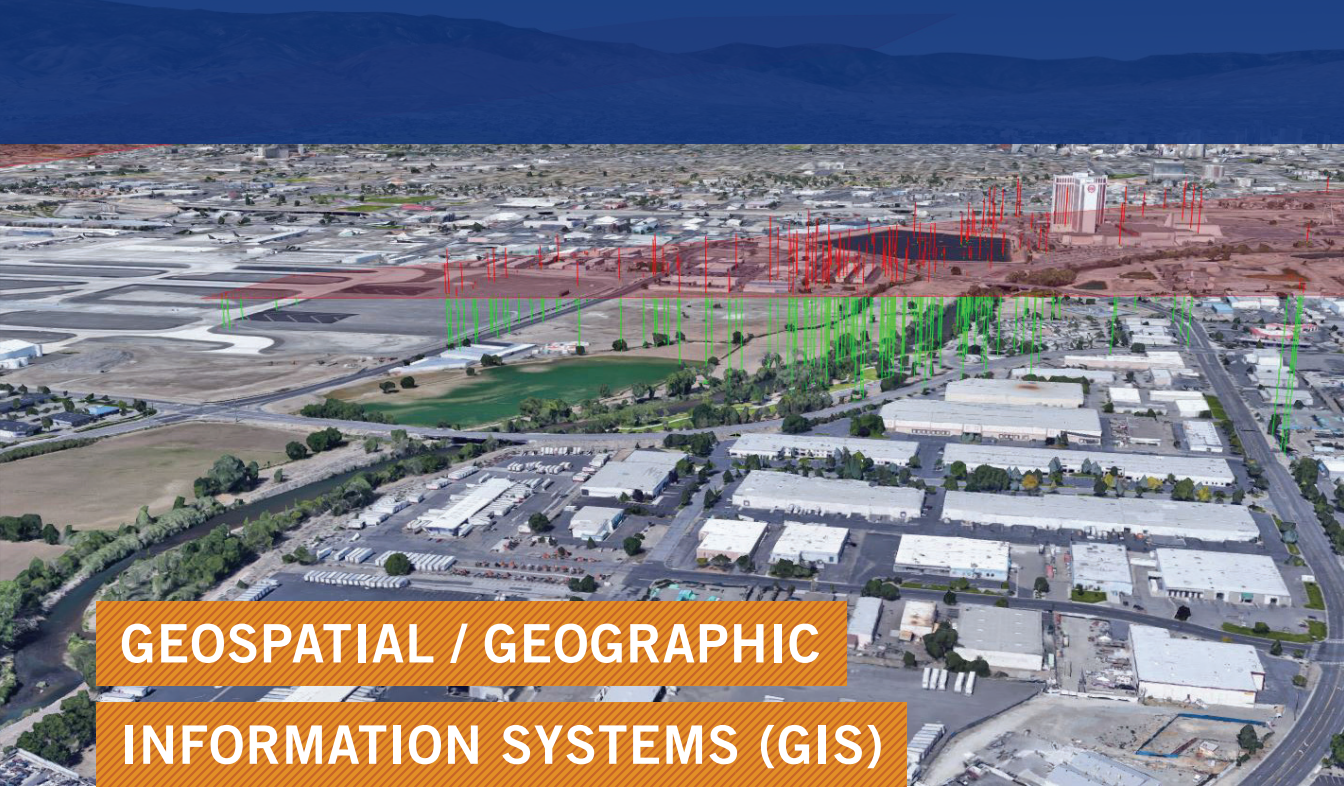
Throughout Arora's history of over 30 years,

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.

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.



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



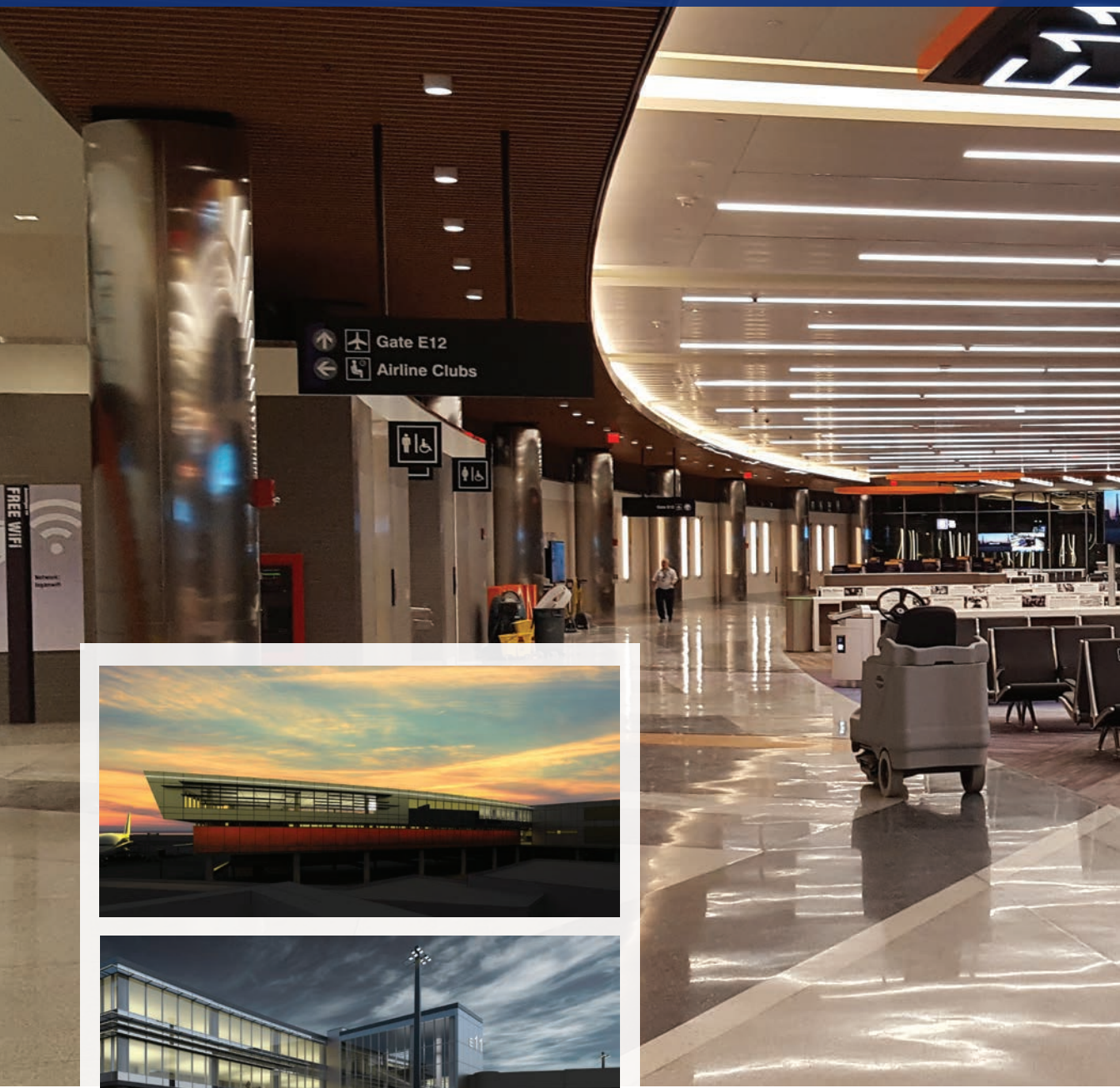




Owner: City of Philadelphia, Division of Aviation
Services: Planning and Design
Disciplines: Digital Signage / EVIDS, Electrical, Fire / Life Safety, Mechanical and Plumbing, Special Systems / Technology
Construction: $150,000,000


TERMINAL F
American Airlines
American Airlines


SHUTTLE
Far East





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.)

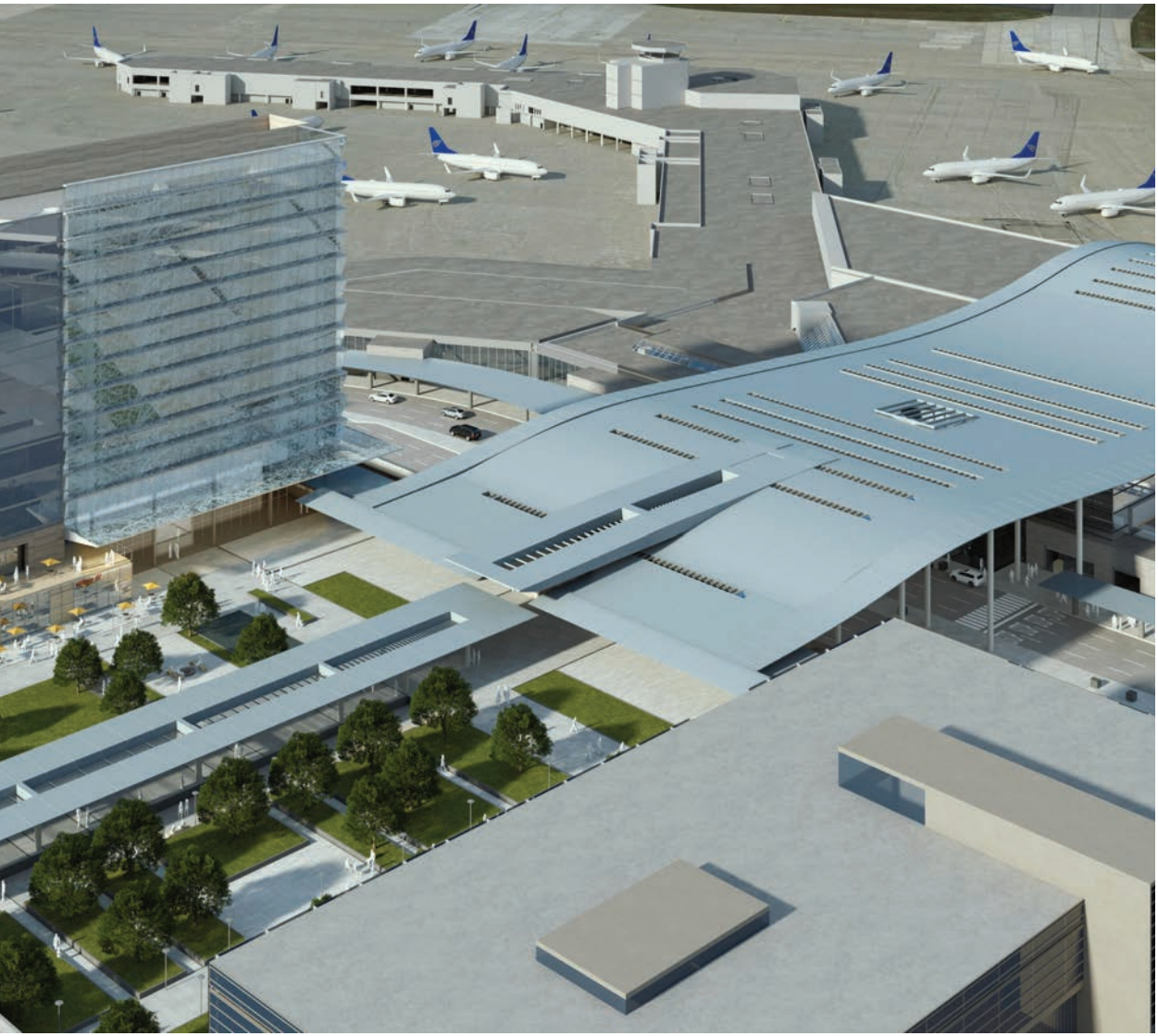


Rendering courtesy of MWAA



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



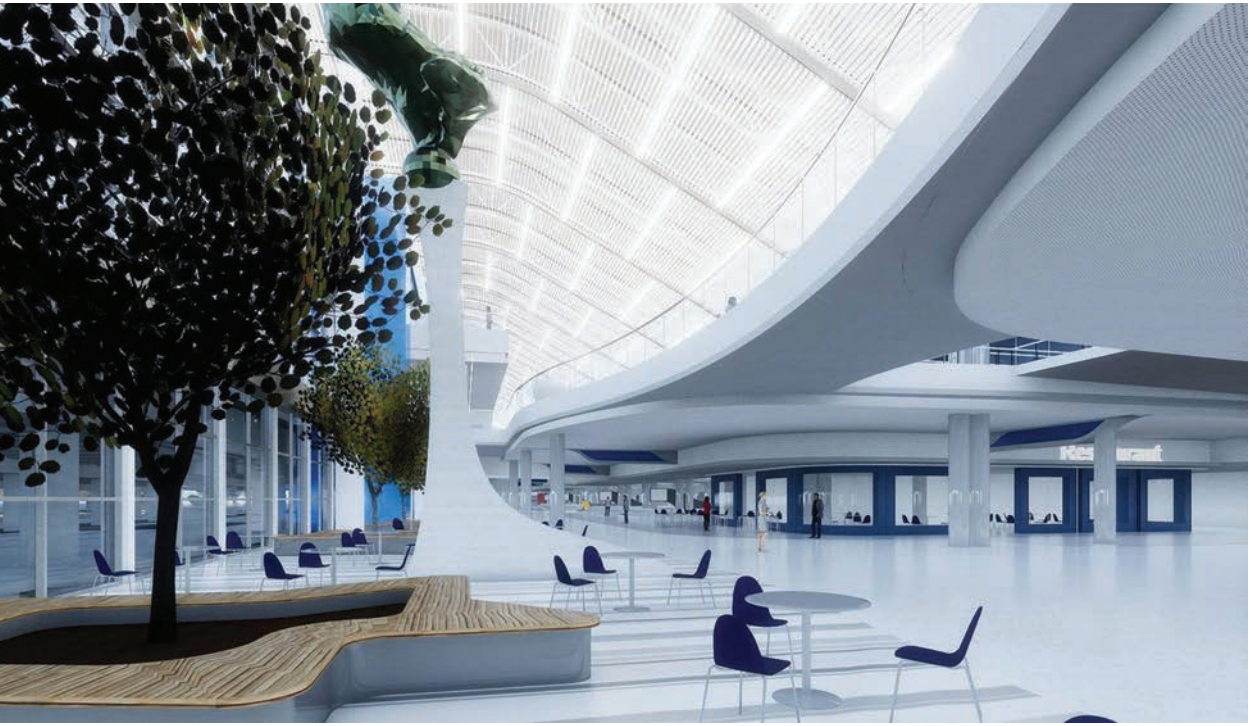
Rendering courtesy of Grimshaw Architects



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



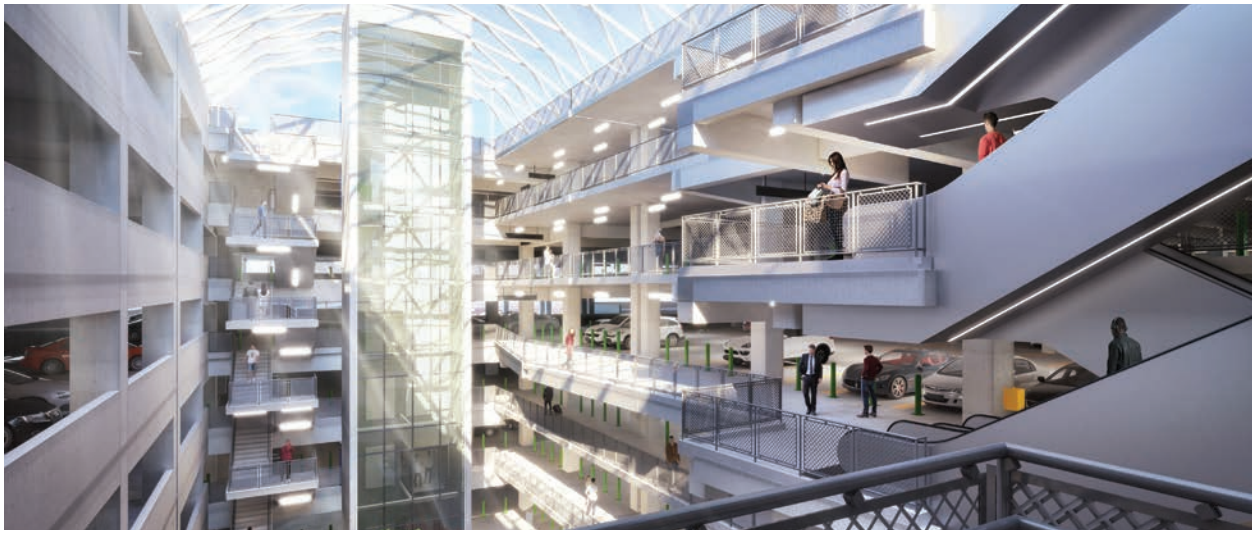


Renderings courtesy of Charlotte Douglas International Airport

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





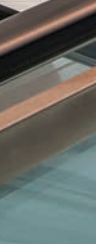


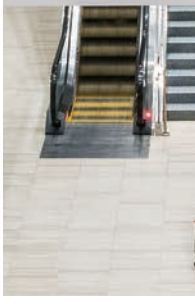
Owner: City of Atlanta, Department of Aviation
Services: Planning and Design
Disciplines: Electrical, Fire/Life Safety, Mechanical and Plumbing
Construction: $175,000,000

Renderings courtesy of HKS


SkyConnect Train
To Economy Parking
And
Rental Car Center









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

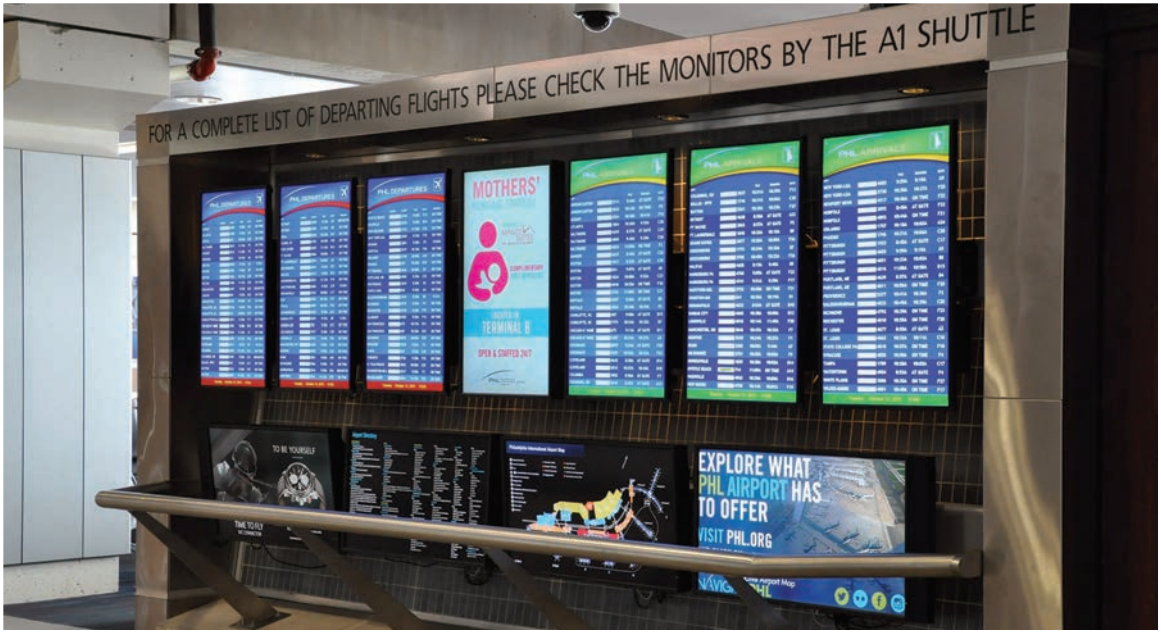
DTW DIGITAL SIGNAGE UPGRADE



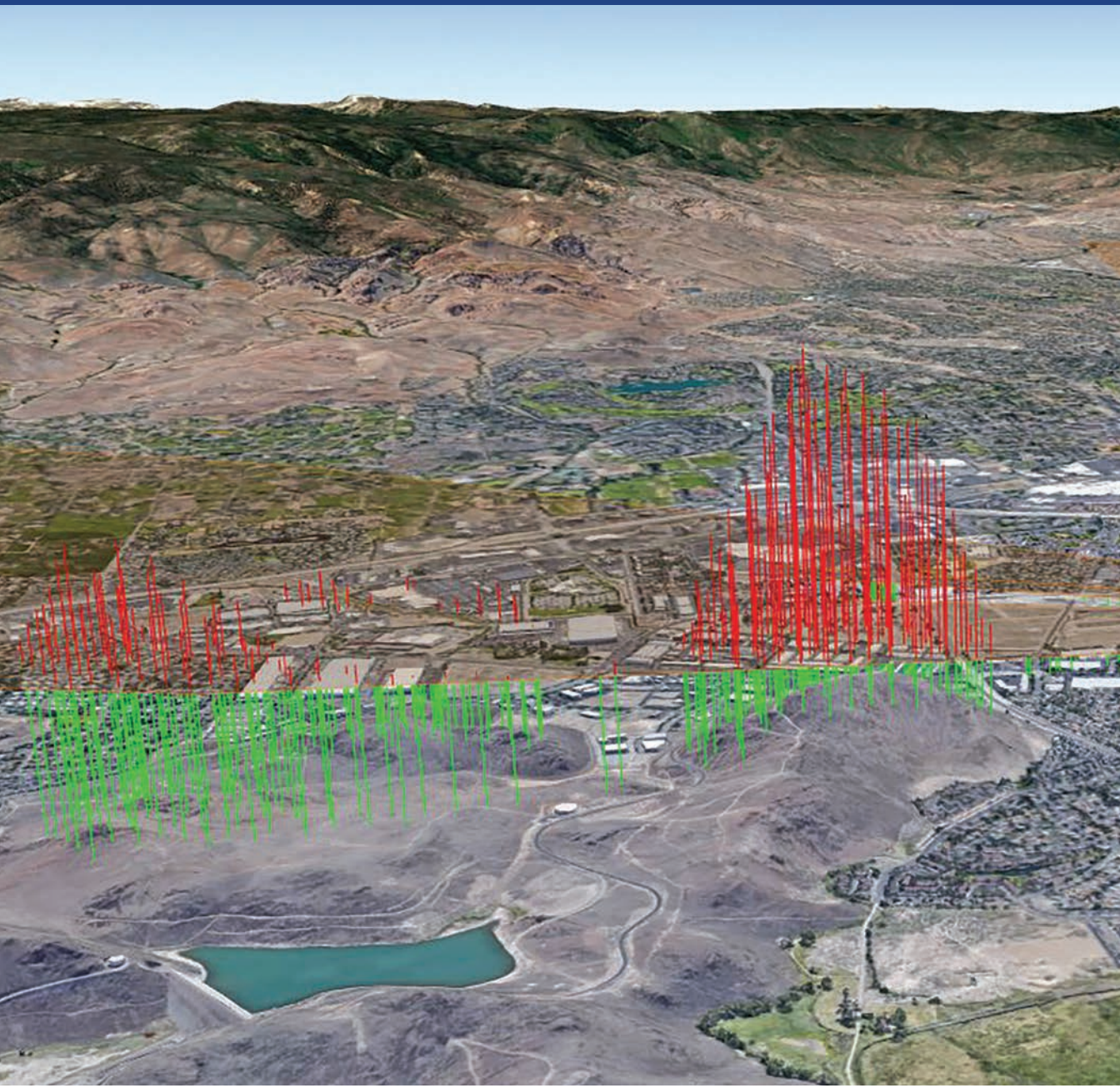
Owner: Wayne County Airport Authority
Services: Design, Build, and Maintain
Disciplines: Special Systems / Technology, Electrical, Program and Construction Management
Construction: $3,000,000

PHL MULTI-USER FLIGHT INFORMATION DISPLAY SYSTEMS (MUFIDS)

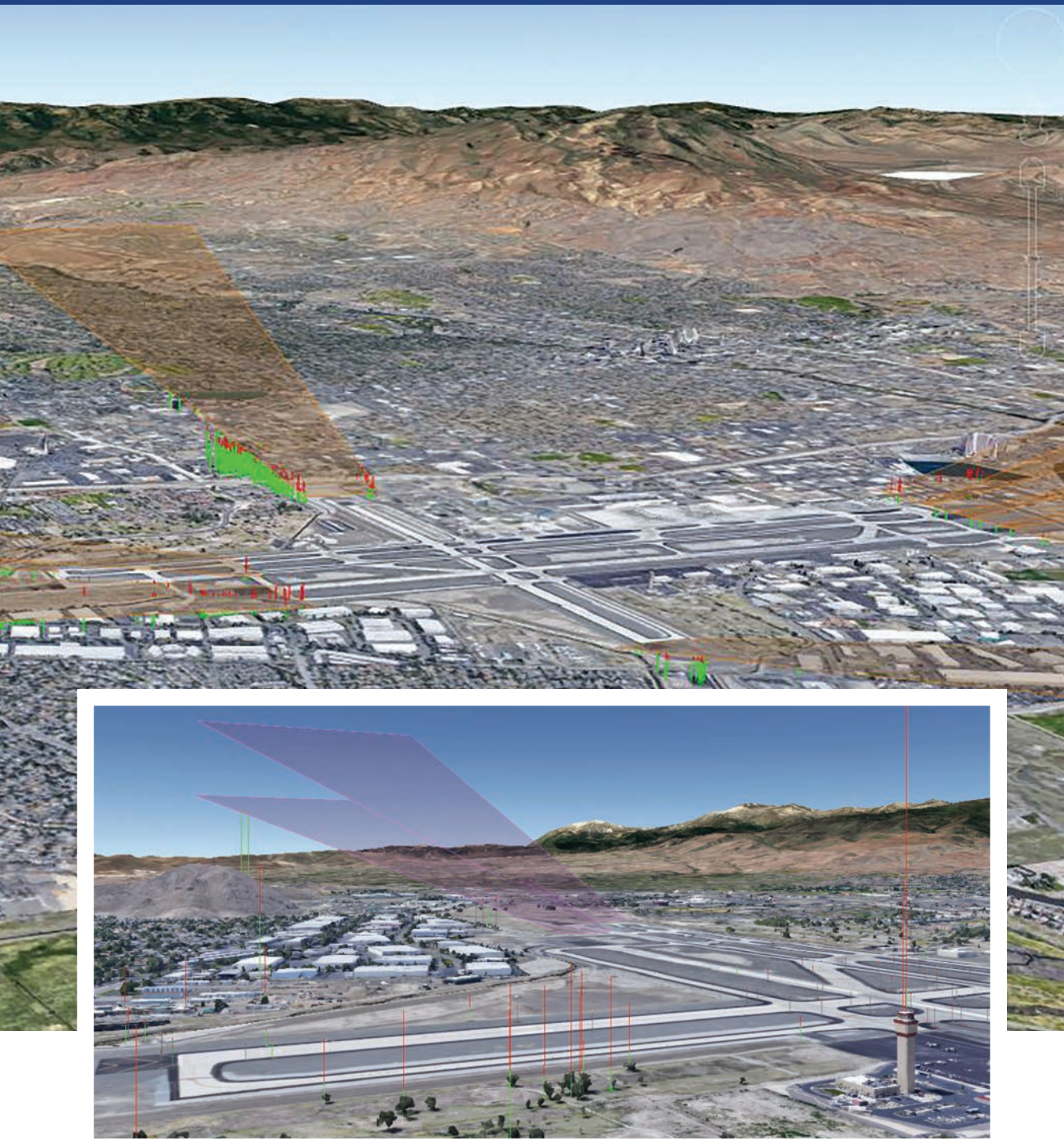




Owner: City of Philadelphia, Division of Aviation
Services: Planning and Design, Program and Construction Management
Disciplines: EVIDS, Special Systems / Technology
Construction: $4,000,000



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


Oversized Baggage
555
Baggage Claim Device 1-4
D Ground Transportation



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



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


CAR DEST
Largo
Largo
MIN



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

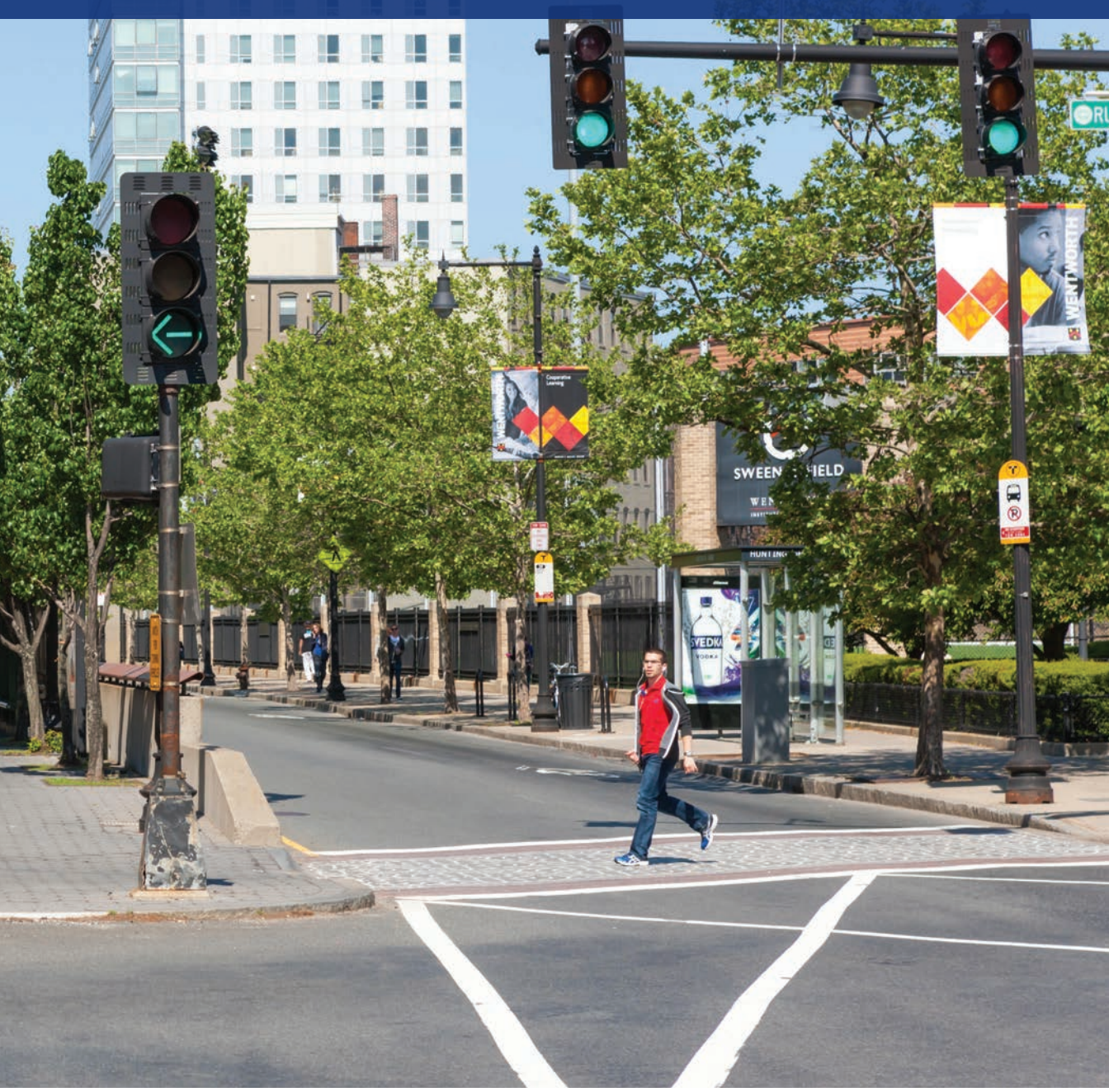


Rendering courtesy of BLTA Architects



Owner: Southeastern Pennsylvania Transportation Authority
Services: Planning and Design
Disciplines: Electrical, Fire / Life Safety, Mechanical and Plumbing, Special Systems / Technology
Construction: $150,000,000


3871



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

EAST SIDE ACCESS



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

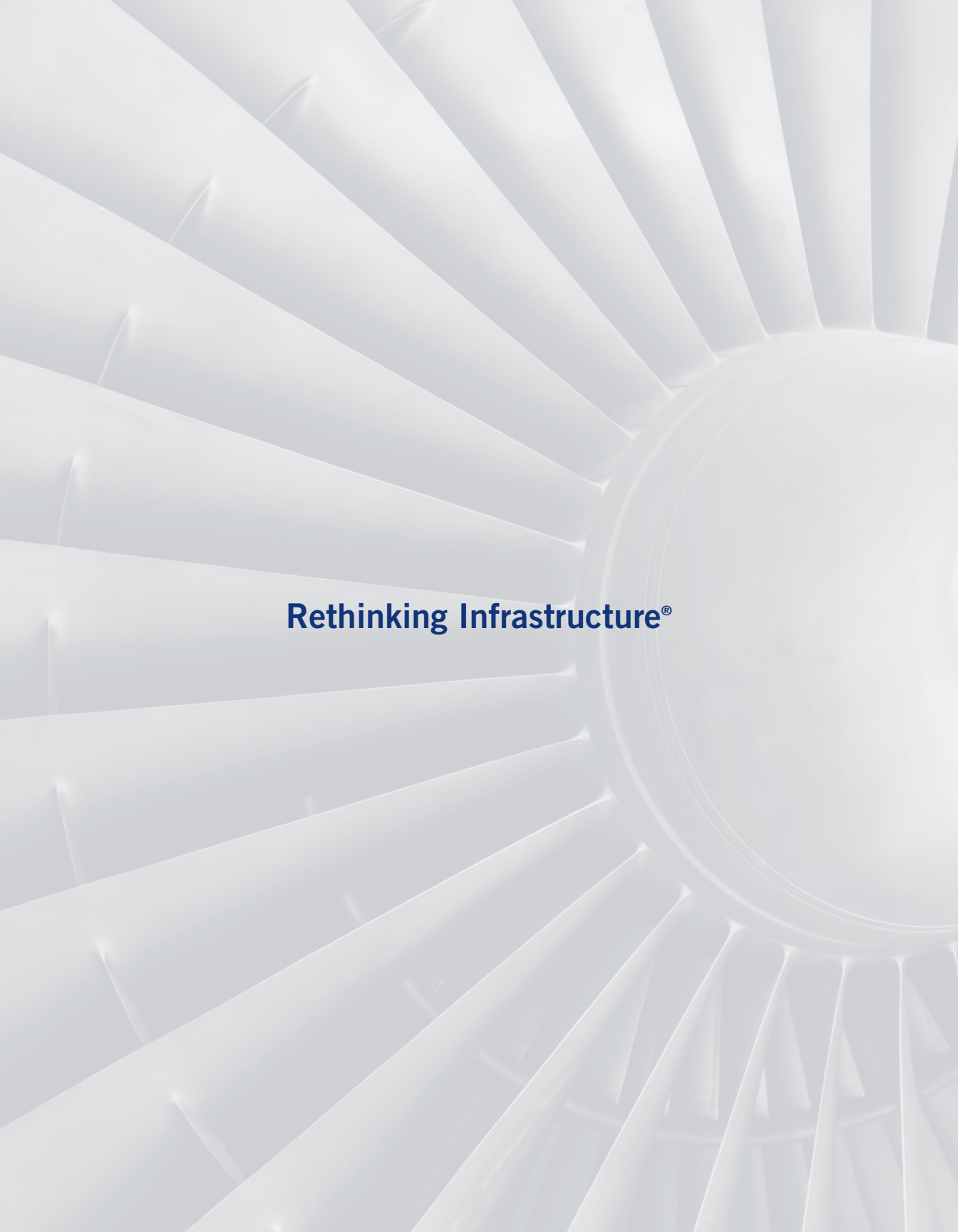

P
A
Hudson News


NEW JERSEY
MANHATTA
Hoboken
Harrison
Hoboken
33 St
23 St
14 St
9 St
Christopher St
Newark-
Penn Station
Journal
Square
Pavonia / Newport
lew Ark International Airport
Newark
Grove St
Exchange Pl
World Trade
Center
ESSEX
Jersey City





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


Rethinking Infrastructure®


aroraengineers.com


ARORA®
Rethinking Infrastructure®
aroraengineers.com