

NEWSLTR



Faith Group

INTEGRITY
DIGNITY
QUALITY
ENDURING
PIONEERING

IN THIS ISSUE:

TAKE IT ON FAITH: PASSENGER TERMINAL EXPO RECAP

A message from Faith Varwig on her experience at Passenger Terminal Expo and key take-aways in Industry Trends.

ILLINOIS STATE CAPITOL NORTH WING COMMISSIONING

Faith Group kicks off MEP systems commissioning for the \$224M North Wing Renovation and solves the challenges of commissioning within a historically significant building.

TECH UPDATE: WHAT'S THE MASTER SYSTEMS INTEGRATOR (MSI) PROGRAM MANAGEMENT ROLE?

Learn about the MSI role and responsibilities as well as the overall benefit and value to the project.



JFK Airport

New Terminal 1: Reimagining the International Travel Experience

Gensler - TMRW



TAKE IT ON FAITH *FROM PARIS WITH LOVE,*

A couple of weeks ago, I was lucky enough to be invited to speak at one of the aviation industry's largest international conferences. After a couple year hiatus due to COVID, Passenger Terminal Expo returned in all its glory to the City of Lights... Paris. The event hosted nearly 6,000 attendees from across the globe all anxious to reunite once again with their clients, colleagues, and business partners. While there was clearly more "grey hair" in the group, the air was notably upbeat. The exhibition hall and presentation studios were bustling with people interested in newly developed products & approaches and just getting back to business.



While my experience at the conference itself was wonderful, it was my time after business hours that truly painted the picture of life in Paris and how differently Americans view what's important. Thomas Jefferson once wrote "A walk about Paris will provide lessons in history, beauty and in the point of life." During my dinner cruise along the Seine, I observed miles and miles of riverbank covered with people laughing, hugging, eating, drinking, and living. The model in Paris is clearly "Work to Live Life" vs. our approach which is "Live Life to Work." As we all get back to business, let's make sure we don't lose sight of what is truly important in life. If COVID taught us one thing, it was that we all need to reassess our priorities and set aside time for a healthy work life balance!

IN THIS ISSUE:

- Take it on Faith: Passenger Terminal Expo Recap "From Paris with Love"
- In the News: Wins
- FOCUS: Aviation
- FOCUS: Government
- New Hires: Marcus Henderson, John Acosta, and Mike Niola
- Technology Update: The Master Systems Integrator (MSI) Consultant Role, Explained

IN THE NEWS: WINS

- Safety Management System (SMS) Manual for Cincinnati International Airport
- Police Department Commissioning Services for City of Ballwin, MO
- IT Roadmap for Tompkins Consolidated Area Transit
- Security Program Validation and BoD for Ontario International Airport as a subconsultant to Ricondo
- USACE Omaha District Offutt AFB Consolidated Recreation Building and Softball Field Support Facility - Cybersecurity as a subconsultant to Covenant Russell
- ATCT & Admin Renovation Study for Lake Charles Regional Airport as a subconsultant to Alliance
- O'Loughlin Family Champions Center for St. Louis University as a Subconsultant to Hastings+Chivetta
- Shared Tenant Services Analysis for Pittsburgh International Airport as a subconsultant to Ricondo
- Professional Services for Runway Incursion Mitigation and Rehab for Harry Reid International Airport
- GBSD Integrated Training Center for USACE Omaha District F.E. Warren AFB as a subconsultant to Benham
- On-Call General Technology Consulting Services: Data Management Design and Consulting for San Antonio International Airport
- Renovation of North & East Wing Commissioning Services for Illinois CDB State Capitol Building
- SMS Program Development for Boise International Airport as a subconsultant to RS&H
- Justice Center Project Management Phase 2 for City of Indianapolis as a subconsultant to Shiel Sexton Company
- Airport Security Program for Roswell International Air Center
- Lemay Control Room for Metropolitan Sewer District as a subconsultant to EMA

FOCUS: AVIATION

JFK TERMINAL 1: CUTTING-EDGE TECHNOLOGY EXPERIENCE

In 2017, the Port Authority of New York and New Jersey released "A Vision Plan" for John F. Kennedy International Airport that established goals, objectives, and a roadmap for development of a 21st century JFK. The outcome of the report was the development of global, world-class standards that would govern the planning, design, construction, and operation of all terminal facilities at JFK. Faith Group was selected as part of an international consortium consisting of Design/Build team members AECOM Tishman and Gensler to deliver the \$9.5B New Terminal One (NTO) development.

The firm is playing two critical roles on the project: one as the engineer of record for design and construction administration services for the NTO security and IT systems, and the second as Master Systems Integrator (MSI) Program Manager in coordination with MSI consortium members SITA, ADB SAFEGATE, Schneider Electric, and Vanderlande. The program consists of a multi-year redevelopment program, spread

over phases, which completely rebuilds a new 23-gate facility on the footprint of existing Terminal 1, 2 and 3. The design of the facility is focused on enhancing passenger processing through the deployment of advanced systems including creation of a single token biometric-enabled travel experience and flow analytics from curb to gate. The design approach includes a comprehensive common-use environment featuring 120 self-baggage drop units, 150 CUSS kiosks and self-boarding e-gates, and an immersive audiovisual experience.

Supporting infrastructure includes a software-defined secure network architecture and high-density Wi-Fi with comprehensive real-time location services (RTLS) to support informed decision making with modern analytics dashboards. The approach to security systems includes the use of biometric enabled access devices, 100% employee screening, shot detection, and the use of video analytics to support both security and operation landside to airside. The airside technology systems will introduce



advanced aircraft visual docking and guidance systems focused on improved safety while reducing operating costs and enhancing aircraft servicing the turns times. Command and control of the 75+ technology systems and software suites, airport operations, security, and maintenance will be managed from a centralized Integrated Terminal Operations Control Center (ITOCC). The center features 27 positions for operators and key stakeholders, four positions for the airside ramp control, and an emergency operations center designed to house NTO senior staff, along with responding PANYNJ and federal agencies. When the first phase opens in 2026, the facility will be the most advanced highly integrated facility in America and will fulfill the PANYNJ vision of providing 21st century world-class services.

FOCUS: GOVERNMENT

FAITH GROUP KICKS OFF COMMISSIONING OF ILLINOIS STATE CAPITOL NORTH WING RENOVATION



The Illinois State Capitol Building is undergoing a \$224M major renovation in 2022 in order to meet 21st century needs while preserving its historic architecture & character. A few of the driving forces include utilities and infrastructure that are past their recommended lifespan as well as the need for architectural & technology related security upgrades. The Renovation is focused on the building's north wing and will include an underground parking garage, an underground conference center, and a two-level welcome center for visitors.

Faith Group was recently selected to support the Architect of the Capitol as the Prime to provide commissioning services for the renovation of the State Capital's North Wing, as well as the new construction of an entryway and underground conference

room. Commissioning (Cx) includes mechanical, electrical, and plumbing systems including air handlers, VAV's with reheat, exhaust air control, steam heat exchangers, snow melt system, pumping systems, and control sequences associated with building management system integration. Faith Group is also overseeing building envelope commissioning associated with the replacement of the existing building windows.

With the project in pursuit of LEED accreditation, the Cx efforts will be in line with delivering the USGBC's LEED Enhanced Commissioning in accordance with Option 1, Path 2 under LEED V4. All commissioning activities for this project are also being managed through web-based commissioning software.

Challenges of Commissioning Historic Buildings

The most challenging project element is the historical architecture governing every level of work. For example, the air distribution system, most notably in the historically significant senate chamber, required preservation of the ornate detail. The Cx Team assisted in the design review process that detailed the concealment of systems throughout the building while still ensuring proper functionality, efficiency, and O&M access. The solution for the air distribution system was to create centralized rooms to house a large number of air terminal units for sufficient access and maintenance prior to downstream distribution.



Chris Fasano, CxA
Commissioning Manager
christopher.fasano@faithgroupllc.com

DIVERSITY IN NEW HIRES



MARCUS HENDERSON

Marcus Henderson has joined Faith Group as the new Human Resources (HR) Manager with a background in the Healthcare and Commercial industries. He recently completed both his bachelor's degree in Human Resource Management (HRM) and his MBA with an emphasis in HRM. Marcus will lead & oversee the HR Department focusing on recruitment, benefits administration, employee relations, compliance, and career development. A key focus will be on continuing the development of diversity and inclusion in the firm's talent acquisition process to support the company's values of diversity in skills, thought, ideas, backgrounds, and leadership.



JOHN ACOSTA, CPP, CHS-III, CAS

John Acosta has joined the Security Team as a Sr. Systems Designer. He has an M.A. in Security Administration from the American Military University, as well as CPP, CHS-III, and CAS certifications. John has an extensive 40-year background in security providing consulting, threat & vulnerability assessments, design, and construction

administration, as well as serving for 24 years in the U.S. Air Force Security Forces. (Thank you, John, for your service!) He has design experience in multiple markets including federal, state & local government, healthcare, commercial, residential, museum, education, and transit & rail. He is based in Faith Group's Nashville, TN office and will work to represent and expand the firm's services in the region, including leading current contracts for the Metropolitan Government of Nashville and Davison County and TN STREAM.



MIKE NIOLA, PSP, CPTED

Mike Niola has joined Faith Group as a Sr. Project Manager located in Baltimore, MD. He will be providing leadership in a variety of roles for the firm's growing physical and cybersecurity division. Mike will leverage his current relationships with architects, engineers, integrators, and product vendors to expand the firm's growing reputation as a security systems technology leader. His background includes managing integrated security solutions for critical facilities, healthcare, government, and education clients from master planning to design and policy & procedure development. Mike is a Physical Security Professional (PSP) and Crime Prevention Through Environmental Design (CPTED) with ASIS.

28.5% DIVERSE HIRES IN 2021

42.1% DIVERSE HIRES IN 2022 (TO-DATE)

Faith Group has been focusing on an initiative to significantly increase diversity in hiring from 2021 to 2022, which is being spearheaded by Marcus Henderson. This dovetails with the firm's goal to bring diversity in thought, ideas, and backgrounds to its client to provide best-in-class services.



TECH UPDATE: WHAT'S THE MASTER SYSTEMS INTEGRATOR (MSI) PROGRAM MANAGEMENT ROLE?

As mentioned in the JFK NTO overview, Faith Group was selected to provide MSI Program Management as part of the JFK MSI consortium. NTO Owners and Operators knew from the start that core to the success of delivering a world-class airport was creating an integrated project team of the best product manufacturers, developers, and integrators working seamlessly together to deliver a technologically advanced facility. Early in the planning phases of the project, NTO created the MSI Consortium concept to assure successful delivery of the program.

Why is the MSI Consortium Program Manager (PM) an essential part of any major construction project? Simply put, MSI PM's make sure all systems are designed, installed, and configured to meet stakeholder requirements, budget constraints, and schedule demands, at the highest level of the program. They collaborate with hundreds of building owners and operators, design team members, airlines, agencies, and contractors to ensure coordination between all parties. They strive to achieve a uniform delivery approach and collaboration between MSI partners, which in turn reduces the risk to the general contractor and delivers an improved product to the building owner/operator.

MSI PM's can work as part of the MSI Consortium, Program Manager, or Construction team. They ensure that software and systems selected meet the vision articulated in the Concept of Operations, are technically compliant with codes and designs standards, and meet IT

security requirements. For the NTO, Faith Group's role also includes development of a detailed RACI matrix focused on identification of roles and responsibilities of all technology, security, and infrastructure providers. The firm is also providing leadership in the development of detailed use case documentation which will drive integration strategy and coordination of commissioning and ORAT activities across the consortium membership.

Firms providing this service need to have a wealth of experience in delivering complex solutions, while keeping all stakeholders informed and ensuring their goals and objectives are met. The MSI Program Manager needs a team of internal subject matter experts with experience working on all levels of a

MSI Program Managers can reduce risk and program cost by assuring technical coordination, project controls, and schedule management across product vendors and integrators.

technology program, from management and design to construction and testing, along with experience in integrator and vendors roles, that understand products in the marketplace and unique differentiators between system provider. Most importantly, staff must have passion for the work and industry they serve. With the right combination of services and skillsets, the MSI PM can help assure delivery of world-class facilities and services to a wide range of markets.

