

NEWSLTR



Faith Group

INTEGRITY
DIGNITY
QUALITY
ENDURING
PIONEERING

IN THIS ISSUE:

TAKE IT ON FAITH: JUST SHOOT ME

A message from Faith Varwig on how to slow down and let Christmas be, well, during Christmas. She reminds us to take the holidays in stride, enjoy the seasons, and spend quality time with family & friends.

GSX RECAP

Learn about the latest security technology products and innovations that were presented at the GSX conference from our Security Experts that attended the Expo, from security patrolling robots to gunshot detection advancements.

TECH UPDATE: DESIGNING TECHNOLOGY FOR THE FUTURE AND A RAPID PROGRAM DELIVERY

Faith Group worked with MLS to deliver flexible infrastructure to accommodate future advanced technologies while meeting a tight schedule.

St. Louis MLS Stadium

Iconic New Landmark for an Iconic Sports City



Snow Krelich Architects / HOK



TAKE IT ON FAITH *JUST SHOOT ME*

I walked into my local Home Depot (HD) last weekend and much to my horror it was Christmas. I thought I might have been in a coma for three months and didn't remember it was already December, but it couldn't be since I was wearing shorts and a t-shirt in St. Louis. HD managed to slide Christmas in right between Halloween and Thanksgiving, obviously as a time saver so I could shop for all three at one time.

What is the rush to move time faster than it already goes? Once I turned 50, I noted how much faster the seasons seemed to change. When I turned 60 (during COVID) I realized for the first time what I have been missing all those years, allowing society to rush things along. The pressure of the clock and endless deadlines can become ridiculously intense and rob everyone of those little moments and events that we don't take time to observe.

So please allow yourself the time to appreciate what's happening around you one day at a time. Right now, my pleasure is watching the leaves change colors, decorating my home for the fall, and seeing tiny chipmunks carry off walnuts to stash for a long winter. What's your pleasure of the day?

IN THIS ISSUE:

- **Take it on Faith: Passenger Terminal Expo Recap "From Paris with Love"**
- **In the News: Wins**
- **FOCUS: Commercial**
- **FOCUS: Transit**
- **Awards: SFO Airport DBIA Award**
- **GSX Recap**
- **STL Biz Dash 5K at MLS Stadium**
- **Tech Update: Designing Technology for a Rapid Program Delivery**

IN THE NEWS: WINS

- New Terminal Concept Study for Columbus Regional Airport Authority on the Gensler-Moody Nolan team
- Zone 4 Site Development and Utilities Phase I & II for Tyndall AFB as a subconsultant to CHA Dewberry JV
- ALP Safety Risk Management Panel for Louisville International Airport
- Emergency Communication Center Security Upgrade and Courthouse Building Hardening for Metropolitan Gov. of Nashville & Davidson County
- Public Address System Replacement for T.F. Green Airport
- Mississippi Greenway Leonor K. Sullivan Access and Security Gates for Great Rivers Greenway as a subconsultant to Planning Design Studio
- Comprehensive Wireless Platform RFP Development for DFW International Airport
- O'Loughlin Family Champions Center Commissioning Services for St. Louis University as a Subconsultant to Hastings+Chivetta
- Airline Realignment Design Services for Seattle Tacoma International Airport as a subconsultant to OAC Services
- Vandalia Maintenance Facility for IL Capital Development Board as a subconsultant to Horner & Shifrin
- On-Call As-Needed Professional Services for Electrical Engineering for Birmingham-Shuttlesworth International Airport
- Box Culvert for Madison County Transit as a subconsultant to Oates & Associates
- Access Control Structured Cabling System Enhancement for Midamerica Airport as a subconsultant to CMT Engineers

FOCUS: COMMERCIAL

FAITH GROUP PART OF DESIGN TEAM FOR ICONIC ST. LOUIS CITY SC MLS STADIUM IN VIBRANT MIXED-USE DISTRICT

Faith Group is proud to be the security and technology designer for an iconic St. Louis landmark as a subconsultant to Designer, ME Engineers. A first-of-its-kind complex, the new MLS Stadium will be the only MLS club to have its stadium, team headquarters, training/performance center, and practice fields all in one centralized location, the Downtown West neighborhood. Faith Group recently completed the design and construction administration services for the new South of Market Area (SOMA) facilities for the new St. Louis CITY Soccer Club (SC).

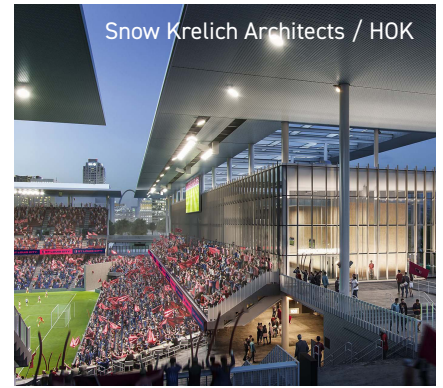
The SOMA site will provide facilities for administration, maintenance, and sports training operations, as well as retail and commercial lease space. The new training site will include three buildings and 8.5-acres of practice fields. The two-story, glass Pavilion Building will include administration space for the club, as well commercial retail and future tenant space. The new two-

story Training Facility includes the main locker room for City SC, theater, kitchen, dining spaces, workout room, and other amenities that connect directly to player wellness. A tunnel was built under Market Street that will allow players direct access to Practice Fields. The Maintenance Building provides infrastructure and support for the field irrigation and overall site maintenance.

Director of Engineering Ryan Walsh has been managing this project for the firm. "Faith Group is honored to be able to contribute to a project like this in our own backyard. We cannot wait to attend a St. Louis City SC game with our friends and families!" states Walsh.

Under a separate contract, Faith Group has also been providing Commissioning services through WSP for the Stadium facility MEP/FP systems.

The St. Louis CITY SC MLS Stadium is a welcomed addition to Faith Group's



Snow Krellich Architects / HOK

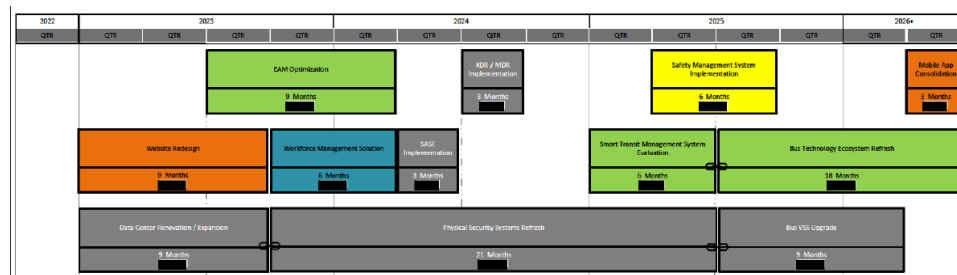
ever-growing local project list which includes Rung For Women Headquarters, Wentzville Community Center, and Ballwin Police Department, among others. These projects align with Faith Group's core values to drive community engagement, fuel economic growth, and create a cultural impact in the St. Louis region.



Ryan Walsh, PE
Director of Engineering
Ryan.Walsh@FaithGroupLLC.com

FOCUS: TRANSIT

FAITH GROUP COMPLETES IT ROADMAP FOR TCAT



A product of three separate transit systems that joined forces in the early 1990s, Tompkins Consolidated Area Transit, Inc. (TCAT) in Ithaca, NY has made remarkable and measurable strides with ridership growth, safety, workforce training, community outreach, and environmental sustainability.

This year, Faith Group worked with TCAT to develop an IT Roadmap and IT Strategic Plan (ITSP) for the organization. The project was executed in multiple phases including existing conditions assessment, gap analysis, industry trends & best practices, and an

IT Strategic Plan & Roadmap. The process included multiple stakeholders along with the entire executive team. Focus groups were developed to address selected administrative, financial, operational, and IT systems & infrastructure.

More than 30 systems were documented and assessed as part of the project. An application portfolio management (APM) system was developed on the client's SharePoint environment, creating a living repository of all system information to provide the client with a manageable and single source of record for applications.

More than 32 recommendations were made such as replacing the Automated Fare Collection system; implementing On-Demand Mobility and Smart Bus Shelters; and a Data Center renovation & expansion.

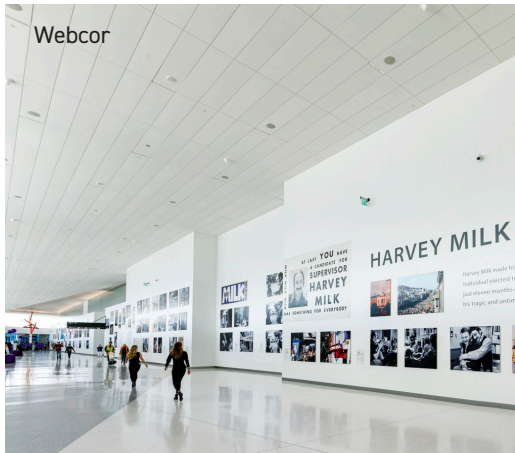
Faith Group provided TCAT with an executable 3-5-year roadmap and implementation plan for all recommendations.

The Faith Group project team successfully met all project deliverables on time, and they were happy to report a strong client team engagement throughout the process.



Jason Wallace, PMP
Sr. Project Manager
Jason.Wallace@FaithGroupLLC.com

AWARDS



SAN FRANCISCO INTERNATIONAL AIRPORT, TERMINAL 1 BOARDING AREA B (BaB)

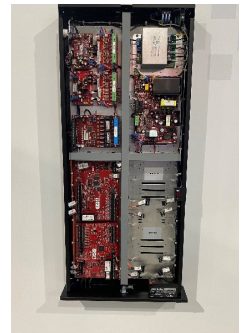
2022 DBIA Aviation National Merit Award

The San Francisco International Airport Harvey Milk Terminal 1 BaB is a 25-gate terminal for domestic & international flights dedicated to SFO's commitment to sustainability. With the application of green practices & materials, the airport earned its designation as the world's first LEED Platinum v4 terminal. BAB was a progressive Design-Build project committed to a structured collaborative partnering approach, with the team and stakeholders functioning as a single, integrated entity to deliver one unified vision & maximum value. SFO's Terminal 1 BaB was designed and constructed by a team fully engaged with DBIA's philosophy and core values. The success of this project led to several awards, most recently of which was a 2022 DBIA Award in Aviation for Merit. We are thrilled to have been a part of such a progressive project as the Lead Systems Designer and want to extend congratulations to everyone on the Project Team!

GSX RECAP

Members of Faith Group's Security Team attended the 2022 Global Security Exchange (GSX) Conference in September. Hosted by ASIS International, the conference attracted thousands of security professionals from around the world and included education sessions, networking opportunities, and an exhibition floor showcasing the latest security technology products, services, and solutions. We have prepared for you the major take-aways from GSX below. You can find a more in depth summary on our website [HERE](#).

- 1. Autonomous Drones** - Ranging from humanoids to dogs, ATVs, traditional copter-style drones, and more. Most were augmented with varying degrees of AI and VR control.
- 2. Artificial Intelligence (AI)** - Deployments in drones and cameras have continued to improve in complexity and accuracy. The footprint of resources required to support AI has also decreased. Many camera systems have pushed AI to the edge.
- 3. Security Robot Dog** - Two versions of the Boston Dynamics solution were showcased, configured with AI-based sensors & 5G technology for patrols and reporting back to the Security Operations Center (SOC). The dogs can detect, report, track, and monitor objects, as well as allow operators to listen & speak from the device.
- 4. Facial Recognition** - Alcatraz AI and Lenel have released new devices allowing facial recognition as a biometric identity for use with the access control system. The Alcatraz AI platform also allows for 3rd party use of the on-board video stream and added a tailgating detection feature.
- 5. Access Control** - AMAG has reworked their user interface and unlocked the source code on their panels allowing for 3rd party integration and development on their hardware. Altronix and Life Safety Power have developed pre-configured rack mountable drawers to support Mercury or IStar panels.
- 6. Security Operations Center (SOC) Technology** - Hakimo AI showcased their updated software which takes multiple systems data sets and applies computer vision & data analytics to quickly identify threats and vulnerabilities to the SOC, resolve false alarms, detect camera tampering & insider threats, and other features. The product essentially serves as a Security Information and Event Management (SIEM) system for physical security and does not require installation of any new hardware.
- 7. Gunshot Detection** - Showcased advancements included the ability to accurately detect distance and direction of gunshots in large open areas, the ability to daisy chain sensors, and API integrations with major ACS and VMS systems.



STL BIZ DASH

FAITH GROUP PARTICIPATES IN 5K AT THE NEW MLS (CENTENE) STADIUM

Faith Group participated in the STL Biz Dash held at the new Centene Stadium in St. Louis on Thursday, Sept. 22nd. The MLS Stadium is a project that the firm worked on both as a systems designer and commissioning agent. We were thrilled to be able to celebrate the opening of the Stadium by attending this event with several other firms that participated on the project.

Both the start and end of the race were held at the Stadium entrance. Runners and guests were able to get a sneak peak of this breathtaking new soccer facility. Three of our staff finished in the Top 10% out of 4,687 runners. Tom McGhee came in at 105th, Mike Yanko at 121st, and Zach Varwig at 433rd.





TECH UPDATE: DESIGNING TECHNOLOGY FOR THE FUTURE AND RAPID PROGRAM DELIVERY

Centene Stadium and its South of Market Area (SOMA) facilities are a first-of-its-kind complex. The new stadium is the only Major League Soccer (MLS) club to have its stadium, team headquarters, training and performance center, practice fields, and commercial/retail space all in one centralized location in the Downtown West (St. Louis) neighborhood.

As part of the project, Faith Group provided design and construction administration services for the following systems:

- Information Technology (IT) and Communication Systems: Voice and Data, Wireless Data, and Telecomm Rooms
- Audiovisual: Auditorium AV, Conference Room AV, Video Wall Display Systems, IPTV Systems, and Practice Field Public Address System
- Security: Access Control, Video Surveillance and Camera Systems, and Emergency Blue Light Intercom System
- Digital Media Recording
- Structured Cabling: Backbone and Horizontal Cabling, Fiber and Copper Cabling and Termination Points, Rack Layouts, Network Coordination, and Conduit/Pathways
- Cellular Distributed Antenna Systems (DAS)
- Field Broadcast Systems assistance

The Stadium and SOMA facilities' systems and infrastructure were designed to be vendor agnostic to allow for the broad compatibility and interchangeability of technologies, tools, and products. It was also important to ensure that the infrastructure in place was flexible enough to allow for the deployment of future advancements in technologies.

The project consisted of multiple moving parts and a high level of risk due to unknowns, such as the types of technology and equipment that would be available to fit the accelerated timeline. Not only was it imperative to meet the owner requirements from a capability standpoint, but it was also crucial to meet the project schedule despite any procurement challenges or long lead times.

Faith Group followed a tight schedule for the rapid deployment of these technologies and coordinated with multiple trade partners and stakeholders to deliver the final product. The Stadium and SOMA facilities had a goal to utilize cutting-edge technology for the dissemination of information on a large scale, while managing and maintaining a short deadline for scheduled performance. To quickly accommodate incoming RFIs and change notices, it was also critical for the team to maintain transparency of design through CAD/Revit/BIM. Utilizing this model enabled all team members to be on the same page and make edits to the design in real-time as the RFIs and change notices were received. By coordinating with multiple parties and maintaining a high level of transparency to the entire project team through CAD, Revit and BIM to As-Built designs, Faith Group was able to successfully deliver a high-end product that is full of cutting-edge technology. The Stadium is an exciting addition to Faith Group's growing list of local projects that align with the firm's core values to drive community engagement, fuel economic growth, and create a cultural impact in the St. Louis region.

St. Louis CITY SC Fun Facts

1. CITY is the 29th club in MLS.
2. CITY is 1 of 7 MLS teams to have its own custom Adidas shoe.
3. Carolyn Kindle heads STL CITY SC, MLS' first majority woman-owned club.
4. The Sporting Director Lutz Pfannenstiel has played in all 6 FIFA confederations.
5. James Beard Award winning chef Gerard Craft will curate CITY's food program.
6. The club hired the league's first Chief Experience Officer.
7. No matter where you sit in the stadium, you'll be within 120 feet of the pitch.
8. The STL CITY SC app allows users to take augmented and virtual reality tours of the stadium.



Chris Fasano, CxA
Sr. Project Manager
Christopher.Fasano@FaithGroupLLC.com