

NEWSLTR



Faith Group

INTEGRITY
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FEATURES:

TAKE IT ON FAITH: MANAGING A CHANGING BUSINESS ENVIRONMENT

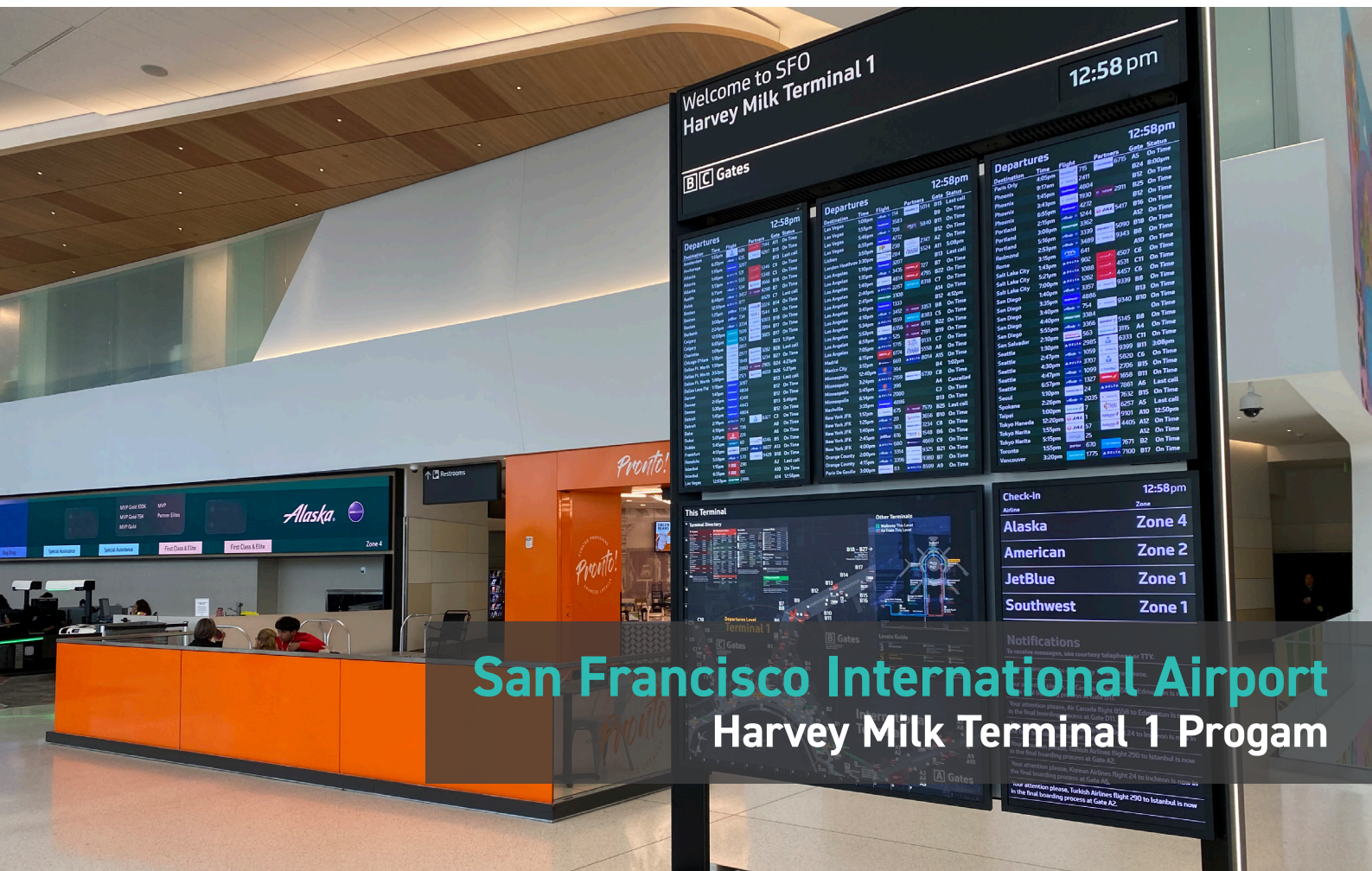
Faith discusses the challenges of the business and operational changes that she has experienced across her nearly 40 year career and what's on the horizon for the industry.

20TH ANNIVERSARY OPEN HOUSE

If you would like to join us at our Open House on September 20th, our new Innovation Lab will be open for viewing! RSVPs are required, and the link can be found in this newsletter. We hope to see you there!

TECH UPDATE: INNOVATION LAB INTRODUCTION & SERVICE OFFERINGS

Learn about our newly opened Innovation Lab, the hardware and software we are currently running, and our offerings & capabilities!



San Francisco International Airport Harvey Milk Terminal 1 Progam



TAKE IT ON FAITH

MANAGING A CHANGING BUSINESS ENVIRONMENT

Last month, Faith Group was honored to receive an award for being the 2nd Fastest-Growing (based on revenue growth from 2022-2023) Private Company in St. Louis. I would have never been able to predict 20 years ago that we would be here today; growth can be a hard thing to predict and get your arms around! I have been thinking a lot about how our industry and service demands have changed since I started as a draftsman (notice the title name?) back in 1982. Technology and Security services, which account for more than 80% of our revenue today, were not even a discipline back then! All design drawings were completed on drafting boards using slide rules or parallel bars on mylar. My first specifications were created on a typewriter, all of which made changes extremely painful (who remembers the electric eraser!). The current service requests from our clients and business partners have made a significant difference in the types of team members we engage. While project managers, consultants, engineers, and drafters are still core to our delivery process, we now have to staff systems analysts, solution architects, and master system integration skillsets to support the growing technical needs of our clients and their facilities. The development of AI/ML tools, and use of Large Language Models (ChatGPT, etc.) are already changing the landscape of service delivery and client expectations. Many questions are yet unanswered:

- With automated design tools, what will clients and contractors require of architect and engineering services?
- Will robotics, 3D printing, and modular construction change the way we partner on projects?
- With new AI-based search capabilities, what does this mean for traditional consulting services?

Even after more than 40 years in the business, I remain energized and excited to tackle these challenges and opportunities. Great things are in store for all of us as we evolve our business models to meet these changes head on.

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- Take it on Faith: How It All Began
- In the News: Recent Wins
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- Webinar: Airport Systems Commissioning
- Saefix, a Faith Group Sister Company, Hires CRO
- Company Awards
- Project Achievements
- Tech Update: Innovation Lab Introduction & Service Offerings

IN THE NEWS: RECENT WINS

AVIATION

- Noise Reduction Policy Development for the Public Areas for Los Angeles International Airport
- Safety Management System for Miami International Airport as a subconsultant to Ricondo
- Terminal 6 LAN, Wi-Fi, and VoIP Technical Services and Commissioning for JFK International Airport
- Airport Security Program (ASP) for Lea County Regional Airport
- Security Assessment for Luis Munoz International Airport
- Design-Build Services for Cargo Bldg. 720.1 & GSE Bldg. 742 at San Francisco International Airport as a subconsultant to Woods Bagot
- Restroom Renovation Phase 1 for Palm Springs International Airport as a subconsultant to Gensler
- Central Hall for Spokane International Airport as a subconsultant to Alliance
- Terminal E Gate Swap for DFW International Airport as a subconsultant to Corgan
- Cybersecurity Master Plan and Airport Technology Master Plan for Maryland Aviation Administration
- Ramp Lighting Phase 2 Design for Philadelphia International Airport as a subconsultant to Atkins Realis
- ACRP 04-33 Guide for Measuring Financial Benefits of Airport Safety Management Systems for Airport Cooperative Research Program as a subconsultant to Futron
- Safety Risk Management Panel (SRMP) for TRACON Demolition & West Hold Bay Expansion for Phoenix Sky Harbor International Airport as a subconsultant to Trace Consulting

FEDERAL

- ACY ADAL Maintenance Hangar/Shops for New Jersey ANG as a subconsultant to Pond
- LVN B44 MCTP HQ at Fort Leavenworth, KS as a subconsultant to Benham

EDUCATION

- Drone Facility for St. Louis Community College Florissant Valley Campus as a subconsultant to JEMA

GOVERNMENT

- Kirkwood Community Center Commissioning for the City of Kirkwood (MO)
- 911/Emergency Operations Center for Lincoln County (MO) as a subconsultant to JEMA
- EV Charging Stations for St. Louis County as a subconsultant to JEMA
- Justice Center Cell Fire Protection for St. Louis County Dept. of Transportation and Public Works as a subconsultant to JEMA

FOCUS: AVIATION

SAN FRANCISCO INTERNATIONAL AIRPORT HARVEY MILK TERMINAL 1

The final phase of San Francisco International Airport's (SFO) award-winning Harvey Milk Terminal 1 (HMT1) opened on June 17, 2024. The Program consisted of two primary projects, the New Boarding Area B (BaB) project (opened in 2020) and T1 Center development. The T1 Center phase includes a new north check-in lobby, mezzanine-level security checkpoint, two additional aircraft gates, four new concessions, and a connecting walkway that links all terminals post-security.

SFO celebrated this completion on June 8, 2024, with a formal gala in recognition of the hard work and dedication of all the people who participated in making this program a success. Faith Varwig, Zach Varwig, and Norman Clevenger were honored to be invited as guests to join in the festivities (bottom photo).

Faith Group partnered with the Boarding area B (BaB) Design/Build Team, HKS/Austin/Webcor JV, leading the systems design through 30% schematic, acting as design reviewer, and supporting the development of the commissioning (Cx) plan for the Program's aviation systems. Staff members worked with the Owner, Program Manager (PMSS), GC, and Architect to develop best-of-breed solutions utilizing SFO's holistic Stakeholder Engagement Process (SEP) and Partnering Process to deliver a state-of-the-art facility. The BaB features a "quite terminal" operating concept and is one of the first airports to adopt this type of operating model.

Our staff members also participated in redeveloping SFO's Commissioning (Cx), Activation, and Simulation (CAS) Program, using the Terminal 1 program as the pilot and proving ground for Faith Group's work on the previous APS project

team. The processes were incorporated into SFO standards and then utilized by more than 40 of SFO's capital improvement projects. The CAS Program is SFO's expanded ORAT (Operational Readiness and Airport Transition) process encompassing a holistic end-to-end approach to project delivery, testing, acceptance, and ongoing support.

A primary feature of the new T1 Center was the installation of 26 fully automated self-baggage drop units supporting Alaska Airlines, Delta Airlines and Common Use operations (with additional units to be installed in the near future). The installation of this new equipment required the development of new Cx standards and ORAT processes. Faith Group team members participated in final testing and troubleshooting to assure a smooth transition on opening day.

Terminal 1 Program by the Numbers:

- 190 companies worked on this project
- ~5.5 million people hours worked (227k days)
- T1 Center includes 322,926 sf. of building (68 basketball courts)
- 784 foundation piles on T1 Center
- 4.5 miles of baggage handling systems
- 3 million linear feet of fiber and copper cabling
- 1st Terminal in the world to achieve full WELL Certification (platinum)

In 2022, the SFO Harvey Milk Terminal 1 Boarding Area B received the DBIA National Award for Merit and the AIA San Francisco People's Choice Award for Projects over \$10M. The project earned the honor of becoming the world's first LEED Platinum v4 Terminal.

The CAS Team also won the Academy of Operations



Norman Clevenger (top) and Grant Gray (bottom) commissioning the baggage handling system



SFO Terminal 1 Opening Gala



Norman, Faith, Zach, and Curtis Monette at the Gala

Enablement Professionals OPCONIC Execution Maestro Award in 2023, which directly highlighted the excellent execution displayed on Harvey Milk Terminal 1 and Boarding Area B.



Faith Varwig
Managing Principal
Faith@faithgrouppllc.com

FOCUS: FEDERAL

NAVFAC SOUTHEAST, CAPE CANAVERAL SPACE FORCE STATION P103 ENGINEERING TEST FACILITY

NAVFAC Southeast is constructing a new mission-critical facility for the U.S. Navy at Cape Canaveral Space Force Station in Florida. The P103 Engineering Test Facility will be a single-story building with a large laboratory, test areas interconnected by internal circulation, high bays for overhead cranes and storage, raised flooring, acoustic treatments for noise control, and heightened flood and wind control measures due to its location.

Faith Group is working as a subconsultant to the Merrick RS&H JV, performing audiovisual (AV) and cybersecurity consulting services for the new multi-class testing facility at the Naval Ordinance Test Unit, which includes a variety of rooms from unclassified up to top secret. In support of this project, we are providing AV technology consulting for conference & training rooms, break rooms, engineering training rooms, and technology labs. When designing systems for this project, staff had to maintain red/black systems separation for non-classified and classified systems, as well as ensure we were meeting STC50 sound blocking levels and ICD 705 requirements for technical specifications

Our work included the development of design documentation, facilitation of stakeholder workshops (with Lockheed Martin, NAVFAC, and Space Force Personnel), and development of functional narratives, basis of design, specifications, and cost estimates for AV and cybersecurity taking the design to 100% construction documents. For AV, we also developed the room requirements and equipment schedules. For cybersecurity, we developed design analysis outlining all Facility Related Control Systems (FRCS) requiring cybersecurity specifications, in accordance with UFC 4-010-06, as well as associated Correlation

Control Identifier (CCI) Lists which were used in applying the necessary cybersecurity controls. Cybersecurity specifications were developed for HVAC, fire & mass notification, lighting & energy notification, electronic security (access control, intrusion detection, and video surveillance), and building management systems (BMS).

All AV consulting and design is being performed by a Certified Technology Specialist-Design (CTS-D) and Cybersecurity consulting is being performed by an IAM Level III CISSP certified personnel. Staff also had to undergo CUI / ITAR training as required by NAVFAC.

The design phase of this project is estimated to be completed by September 2024.



Steve Gallagher, CTS-D, CTS-I
Sr. AV Systems Consultant
Federal AV Market Lead
stephen.gallagher@faithgroupplc.com



Photo Credits: Merrick RS&H JV



Faith Group

OPEN HOUSE

Please Join us to Celebrate our 20th
Anniversary & Opening of our Innovation Lab

We are celebrating 20 years in business and the opening of our Innovation Lab!

You are invited to join us at our St. Louis (HQ) Office for food, drinks, and music on Friday, September 20, 2024!

Click [HERE](#) to visit our Event page for more details and to RSVP. **RSVP is required!**

BLUERITHM WEBINAR WITH FAITH GROUP ON AIRPORT SYSTEMS COMMISSIONING

Our Commissioning Manager, Chris Fasano sat down with Bluerithm and talked about the complexity of airport systems and commissioning. During the Design and Commissioning of Airport Systems webinar, topics discussed were:

- The Changing Face of Commissioning
- Master Systems Integration (MSI)
- The Importance of Test Laboratories
- Emerging Technologies in Airport Systems
- The Future of Passenger Experience

To watch the full webinar and learn how Faith Group can help with your next commissioning needs, click [HERE](#).



Chris Fasano
Commissioning Manager
christopher.fasano@faithgrouppllc.com

SAEFIX, A FAITH GROUP SISTER COMPANY, HIRES MARC WHALEN AS CHIEF REVENUE OFFICER



We are excited to announce that SaeFix, LLC, our sister company, has hired Marc Whalen as Chief Revenue Officer!

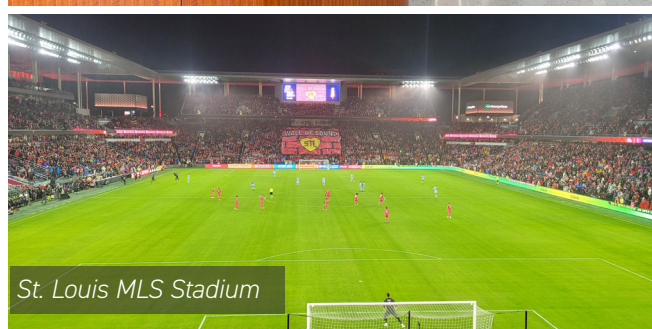
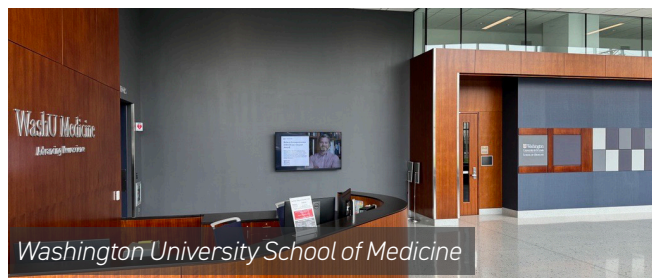
In his role as SaeFix's Chief Revenue Officer, Marc will be responsible for leading corporate and sales strategy, as well as driving growth, revenue generation, and scalability. He will also be involved in services development and customer & account management.

Click [HERE](#) to read the full press release to learn more about his background and vision for growing SaeFix.

AWARDS

NAMED A TOP ENR MIDWEST FIRM

Faith Group was listed as #108 on the ENR Midwest Top Design Firms List! This list ranks the largest U.S. based design firms both publicly and privately held, based on design-specific revenue generated for work in the Midwest states. Two of our local qualifying projects were the Washington University School of Medicine (Top) with a project value of \$475M and the St. Louis MLS Stadium (Bottom) with a project value of \$458M.



#2 ON STL BUSINESS JOURNAL FAST50 LIST

The Fast50 list recognizes companies that are quickly growing within the St. Louis region. This list includes privately held companies and experienced an increase in revenue from 2021 to 2022 and from 2022 to 2023.

Faith Group is extremely honored to have been named #2 on the St. Louis Business Journal Fast50 List! We were awarded this honor during the award luncheon on June 13th.



PROJECT ACHIEVEMENTS

ST. LOUIS UNIVERSITY CHAMPIONS CENTER ACHIEVES LEED SILVER

SLU's newest building, the Champions Center, has earned Leadership in Energy and Environmental Design (LEED) Silver Certification by the U.S. Green Building Council (USGBC). This is achieved by executing commissioning services in accordance with the LEED criteria for Fundamental Commissioning as well as Option 1, Path 1 Enhanced Commissioning and Option 2 Building Envelope Commissioning services. Faith Group worked closely with SLU and the project team to execute all necessary performance and accreditation aspects required to achieve an industry recognized LEED Silver facility including design reviews, construction reviews, performance evaluations, and operations and maintenance staff training.



ST. LOUIS COUNTY LIBRARY OPENS POST FAMILY EVENT SPACE

In early June, St. Louis County Library held a ribbon cutting ceremony to celebrate the completion of phase 1 and opening of the Post Event Space and Plaza, located at the Clark Family Branch in Ladue, MO. Post Holdings, Inc. has sponsored the Post Plaza and Event Space in support of the St. Louis County Library, its mission, and region. Click [HERE](#) to read more about the ceremony.

The Clark Family Branch is the final branch in the Your Library Renewed Campaign, which began in 2014, and is the largest branch for the St. Louis County Library District. The Branch opened to the public on July 9th. Click [HERE](#) to learn more.

Faith Group is currently working with ICS Construction Services in cooperation with the St. Louis County Library – Clark Family Branch to provide commissioning services.



ST. LOUIS COUNTY GROUNDBREAKING FOR NEW POLICE FACILITY

Staff members Joe Ferron and Adam Gracz attended the St. Louis County Police Department groundbreaking ceremony for the new Police Precinct, Property Control & Evidence Storage, and Intelligence Center. This new facility will provide a secure environment for the police force to train, work, and engage with the St. Louis community. Faith Group is providing engineering and design for low voltage systems and construction administration services as a subconsultant to JEMA.





TECH UPDATE: INNOVATION LAB INTRODUCTION & SERVICE OFFERINGS

As a leading Security and Technology firm, Faith Group values innovation. This is evident in the internal tools and methods we use to deliver the firm's work and in the innovative solutions we recommend. We are excited to debut our in-house Innovation Lab during our 20th Anniversary Open House in September. The Lab is a core offering of Faith Group's Professional Services (ProServe) discipline and is part of our overall project delivery strategy. We deliver advanced, forward-focused solutions aligned with clients' business objectives through researching and testing current and emerging software and hardware.

The knowledge we gain through hands-on application allows Faith Group to recommend and design solutions that will fulfill our clients' needs and exceed their expectations. Every project undertaken is delivered with an eye to the future and with established design and engineering best practices to solve complex problems with unique verifiable solutions.

To maintain success, we must continuously stay ahead of the technology development curve. Proposed technology solutions are tested in our Innovation Lab environment against real-world use cases tailored to clients' business objectives for complex integrated systems across the full project lifecycle. To achieve this, we partner with a variety of leading industry stakeholders, technology standards

organizations, and vendors to establish and personally vet the effectiveness of systems in meeting defined use cases.

The goal of the Innovation Lab is to ensure successful solution outcomes for our clients. Our Innovation Lab has the capability to support pilot programs, custom integrations, software development, diagnostics and remediations, as well as customized training experiences.

CAPABILITIES



Pilot Programs

Our Innovation Lab provides a staging ground, or Lab as a Service (LaaS), to develop proof-of-concept pilot programs designed to evaluate new technologies, along with enhancements to existing platforms, before installation. We can pre-configure, test, and deliver entire packaged solutions for on-site deployment as well as coordinate and manage the entire process.



Custom Integrations

Integration between disparate systems is critical to the security and operations of modern facilities. Deploying, configuring, and maintaining these integrations throughout the technology lifecycle can be a major challenge. Faith Group can coordinate these integrations and pre-test them prior to deployment in our Innovation Lab, using the same systems that our clients use in production.

TECHNOLOGY PARTNERS

Genetec

LENEL S2

milestone

BriefCam

AXIS COMMUNICATIONS

Hanwha

winsted

HEXAGON

NVIDIA

AVIGILON
a Motorola Solutions Company

SOFTWARE HOUSE

QSC

INTELLIGENCE
SECURITY EVOLVED

Meraki

IRONYUN

IPSO TEK

DELL

JUNIPER NETWORKS

PLANAR

triploplay
Digital Signage | IPTV | Video Streaming



Software Development

Delivering enterprise class solutions to critical facilities often requires custom development utilizing Software Development Kits (SDKs) or Application Programming Interfaces (APIs), and extensive coordination with multiple software developers. Faith Group can develop and test these solutions in our Innovation Lab, under controlled conditions, working closely with the technology manufacturers to ensure that our client's unique requirements are met prior to purchase and deployment.



Diagnostics and Remediations

When installed technology is not operating as expected or experiencing a critical failure, the underlying cause is typically a combination of multiple issues from several systems. Our hands-on approach in the Innovation Lab provides us with a depth of knowledge that encompasses not only the individual platforms used by our clients, but also the underlying infrastructure that hosts them and their integration capabilities. This allows us to perform deep diagnostic services to identify the problems and then work together with the client to develop a plan to remediate those issues, from a true end-to-end perspective.



Training

Maintaining the technical skills of an enterprise staff can be an overwhelming task for any organization. Faith Group's lab environment helps alleviate some of this burden by providing the client with options for virtual or on-site hands-on training. Our Innovation Lab infrastructure is elastic in nature and can be tailored to host the same systems that our clients use, ultimately providing a customized training experience that can be easily adapted to changes in technology.

We invite you to attend our Open House on Friday, September 20th if you would like to get a first look at the new Innovation Lab. The RSVP link can be found in this newsletter.

If you would like to learn more about the Innovation Lab or our service offerings, you can reach out to Professional Services Manager Cary Gulsby.



Cary Gulsby
Professional Services Manager
cary.gulsby@faithgroupllc.com

