

# Timmy Weichel

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12373 Single Oak Pl » Lakeside, CA 92040 » C: 858.254.1755 » [tim@timweichel.com](mailto:tim@timweichel.com) » [Schedule an Interview](#)

## TECHNICAL MANAGER AND ENGINEER

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Tim has acquired an impressive and unique array of experience in systems engineering; design; systems integration; cyber security; project, business, information technology, service management, and active military service. He has effectively supported various customers from the intelligence community, government entities, the Department of Defense (DoD), educational institutions, commercial ventures, start-ups, and non-profit organizations. He is responsible for designing, implementing, and supporting numerous highly available and secure accredited systems with high customer satisfaction. Tim previously held multiple high-level security clearances.

**Core Strengths:** *Program/Project Management* ■ *Cloud Computing* ■ *Cyber Security* ■ *Training*  
■ *Systems Integration Communications/Networking* ■ *Technical Writing/Publishing*  
■ *Compliance* ■ *Risk mitigation* ■ *Research/Development* ■ *Government Cryptographic Systems*  
■ *Technical Due Diligence* ■ *Sales/Marketing* ■ *Identity Management* ■ *Problem Solving*

## NOTABLE PROJECTS

- ✓ I am the Director of Systems and Cyber Security as a founding technical team member of the Global Sustainable Markets Holdings Corporation (GSM) start-up.
- ✓ Partner and Co-founder of start-up Technology Success Provider (TSP) Helio Sector.
- ✓ Co-founder, Chief Architect, and CTO of Impervious Technologies, a commercial cyber security company.
- ✓ Served (2012-15) as the Motion Imagery (MI) distribution and video quality systems engineer in support of the National Geospatial Agency's (NGA) multi-service/agency/nation Enterprise Challenge (EC) intelligence integration/evaluation event to include supporting Limited Objective Events (LOEs). This effort resulted in a significant increase in reliability and quality of video support for the event.
- ✓ Served as the chief architect of the Metis Matrix Communicator (Metis Switch), designing a high-speed and scalable data/knowledge management communications system with numerous protection level accreditations. Led the project from inception to completion, successfully delivering the system to various vital entities, including the U.S. Air Force, the Pentagon, the National Geospatial-Intelligence Agency (NGA), the National Reconnaissance Office (NRO), and the Space and Naval Warfare Systems Center's Tactical Engineering Analysis Lab (TEAL). Created an 80-hour training program.
- ✓ I functioned as the Global Hawk network administrator for SPAWAR Systems Center in San Diego. Directed exercise and real-time operational networking support for the Global Hawk Unmanned Aerial Vehicle (UAV) program office, supplying networking and security designs.
- ✓ Created and designed the Naval Special Warfare Information Exchange Subsystem (NSWIXS), a network-based communications system that incorporated tactical and strategic special warfare communications; received a Naval Achievement Medal for efforts during Tandem Thrust 95.
- ✓ I Designed and developed a secure, controlled interface (CI) one-way transfer system. This system securely transferred data from lower-classified networks to higher-classified networks for DoD and agency customers, which received numerous Director of Central Intelligence Directive 6/3 Protection Level 4 certifications.
- ✓ I honorably served nearly 12 years as a U.S. Navy Qualified Submariner and Special Forces Communicator.

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## PROFESSIONAL PROGRESSION

### Global Sustainable Markets Holdings Company

(Full-Time 40-60 +hrs/wk) 5/2021–Present

<https://gsm.holdings>, <https://gsmdealcity.com>, <https://gsmauctioncity.com> <https://gsmdealcity.eu>

#### Director of Systems and Cybersecurity

- ▶ As a founding technical team member of the Global Sustainable Markets Holdings Corporation (GSM) start-up, I directed a team of engineers to deploy critical technologies from company inception to current-day operations. Ongoing support includes the definition and validation of requirements, software procurement, integration and development of systems, and technical assistance in support of GSM's global online trading platforms, productivity suites, and business systems in a rapidly changing business requirements environment. Services include program & project management, software & technology evaluation and recommendations, technology roadmap development, systems integration, engineering, architecture design & implementation, business systems & technology planning, alignment, and strategic planning. I am responsible for the multi-national systems and security at all levels of implementation and support. Operations include the European Union and North America, with planned expansions to all regions worldwide. I interact closely with GSM's development operations group to support software development, database, and web services projects.
- ▶ Infrastructures and systems supported include the Microsoft 365 Enterprise productivity suite of capabilities, Microsoft Azure and IONOS virtual environments, and various Windows and Linux OS server versions. I provide support for Application Servers, SQL, MySQL, and front-end web services. All infrastructures include secure VPN capabilities, Next Generation Firewalls (NGFW), Web Application Gateways (WAF) with OWASP support, and Load Balancing of various scale-out clustering scenarios like Azure Scale Sets and Content Delivery Networks (CDN). Additionally, I implemented the Delina Secret Server Privileged Access Management (PAM) to provide non-repudiation auditing and management of highly vulnerable infrastructure credentials and secrets. Other services included policy, procedures, service/incident management, training, and other security mitigations.

### Tim Weichel Consulting <https://timweichel.com>

(Part-Time 0-40hrs/wk) 1996–Present

#### OWNER

- ▶ I provide professional technical consulting services to commercial SMB, academic, and individual customers and non-profits on a pro bono basis. Consistently maintains a high degree of satisfaction.

### Helio Sector <https://heliosector.com>

(Part-Time 0-40hrs/wk) June 2020–Present

#### PARTNER AND CO-FOUNDER

- ▶ Helio Sector is a Technology Success Provider (TSP) start-up to establish targeted services and support to simplify SMB operations, security, training, and technologies. Responsible for developing the vision, concept, and implementation of the Helio Sector business infrastructure, products, and services. Tim is involved in every aspect of the start-up and is responsible for guiding SMB governance, policies, training, processes, technology, and implementation frameworks to enable SMB customer success. Helio Sector is partnered with leading industry service providers and offers a stable cost structure; Helio Sector provides secure and reliable processes for our customer's businesses.

### Impervious Technologies, LLC/Virescit Tactical Systems (VTS), LLC

(Part-Time 10-40hrs/wk) Sep 2019–June 2020

#### CONSULTANT AS TIM WEICHEL CONSULTING

In early 2020 VTS, LLC acquired Impervious Technologies.

- ▶ I provided consultant services during the acquisition transition period of Impervious Technologies.

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## **Impervious Technologies, LLC** <https://impervioustech.com>

(Full-Time 40hrs/wk) Aug 2017–Sep 2019

### CHIEF ARCHITECT/CTO

Impervious Technologies provides affordable cyber products, consulting services, and solutions for small & medium-sized businesses (SMBs).

- ▶ As a co-founder of Impervious Technologies was responsible for the technical vision, concepts, and successful implementation of both. Developed an SMB cyber security framework to reduce the complexity of cyber security for decision makers. He managed all technical aspects of the business process and infrastructure development, training, and support. Responsibilities included integrating service support, collaboration, communication, and cyber services to affect positive business outcomes.
  - We developed relationships with over 30 service and technology providers to support SMB customers.
- ▶ We developed a comprehensive threat hunting service capability for a cyber security provider customer to include tracking and reporting risks on an ongoing basis. Reporting included endpoint, network traffic analysis, and suggested mitigation of customer network issues.
  - We developed a standard threat hunting reporting format and training curriculum to ensure all threat hunters' consistent and reliable weekly reporting.
- ▶ We developed and hosted regular internal technical training and customer-facing webinars to promote empowerment and education of cyber security concepts, business processes, and best practices.

## **WiSC Enterprises, LLC**

(Full-Time 40hrs/wk) 2015–Aug 2019

### SENIOR SYSTEMS ENGINEER AND PROGRAM MANAGER

- ▶ Led the WiSC-WeST Cyber Engineering Team, responsible for developing government and commercial technologies and business surrounding the area of Cyber Warfare, engineering, and training. Examples of successes include the establishment of the Cyber Logistics bridge contract with NAWCWD, follow-on sub-contracts, and the research, marketing, and Cyber training for the U.S. Navy.
- ▶ Supported NAWCWD China Lake Systems were engineering cyber team as one of the principal engineers and architects for the Cyber Thrust Lead and Cyber Engineering Team. Responsible for Cyber framework and assessment model analysis, technical planning, cyber assessment procedures, cyber lab architecture development, infrastructure deployment, training, and technical coordination with national cyber experts.
- ▶ I led the development of the NAWCWD Cyber Office's executive and engineering cyber assessment training courses to build assessment awareness of regulations, guidelines, and techniques geared toward command engineering, administrative, and program management personnel.
- ▶ I led WiSC Integrated Technology Services (WiTS) to establish an Information Technology (I.T.) governance, policies, risk management, security, and compliance framework and implementation program. The primary mission of WiSC Integrated Technology Services (WiTS) is to provide excellent, secure, compliant infrastructures, support, and innovation in the delivery of technology services and products to enable and empower the company and its employees in support of the business process.