

## President and Principal Engineer

Mr. Swahn is Property Loss Control Steel/Chemical Expert and Registered Fire Protection Engineer. Prior to forming Sebench Engineering 15 years ago, he worked for 15 years in the insurance industry, conducting Risk Assessments for heavy hazard occupancies for Allianz and IRI.

In his current role as President and Principal Engineer of Sebench Engineering Inc., he provides guidance to the staff, and serves as the primary interface to our major clients. For several of Sebench's larger clients, he generates cost benefit analysis for improvements and upgrades. He assists in project management, contractor review, and drawing up project specifications on selected projects.

Mr. Swahn is the inventor and patent owner of a loss control risk matrix that evaluates properties on 23 specific criteria. The matrix is designed to be used by property insurance carriers to evaluate facilities on insurability, as well as to provide quantitative measurements of property and business interruption risk exposure.

## Education

Mr. Swahn received a Bachelor of Science in Chemical Engineering from Drexel University in 1993. He also received a Master in Business Administration from University of Pittsburgh. He is a licensed Fire Protection Engineer, registered in Georgia and Pennsylvania.

## Specialization

- ◆ Property Hazard Evaluation
- ◆ Business Interruption Hazard Evaluation
- ◆ NFPA, FM Data, GE Gaps Standards
- ◆ Fire Protection at Chemical Facilities
  - Steel Facilities
  - Aluminum Industry
  - Industrial Chemical
  - Mining Facilities
  - Heavy Manufacturing Facilities
  - Warehousing

## Registration

- ◆ Registered Fire Prevention Engineer – Pennsylvania (PEO52780E)
- ◆ Registered Professional Engineer – Georgia PEO34474

## Experience

### Sebench Engineering Inc., Atlanta, GA

- ◆ Founder and president of independent Fire Protection and Loss control firm.
- ◆ Created Risk Matrix Rating system (patent pending) based on 23 different property loss control criteria.
- ◆ Services largest U. S. based steel company for all its loss control needs.
- ◆ Responsible for project budgets for fire protection projects.
- ◆ Negotiates agreements on behalf of clients for Fire Protection Contractors.
- ◆ Represents clients at Insurance Renewal meetings and discussions.
- ◆ Advises clients on how to address insurance company recommendations and assists in finding cost effective alternatives.
- ◆ Evaluates various protection scenarios, based upon various loss scenarios including (MFL/PML/NLE) and business interruption.

### Allianz Risk Consultants, Atlanta, GA

- ◆ Conducted training for Underwriters for the steel and chemical industries.
- ◆ Managed loss control engineering services for numerous Fortune 500 accounts.
- ◆ Prepared presentations for engineering accounts.
- ◆ Advised Underwriters on loss estimates, deductibles, and hazards associated with a wide variety of accounts and occupancies.
- ◆ Prepared engineering bids and marketing presentations for both international and domestic accounts.
- ◆ Negotiated multi-million-dollar loss control improvements with clients.
- ◆ Managed large international accounts with hundreds of locations worldwide.
- ◆ Established a rapport with a dis-satisfied customer and received commitment to renew largest engineering contract.
- ◆ Created standardized forms and procedures.

### Industrial Risk Insurers, Pittsburgh, PA

- ◆ Loss prevention team member and local representative for three Fortune 100 companies.
- ◆ Performed loss control surveys for various customers in the chemical, steel, aluminum, glass, power generation, and circuit board manufacturing industries.

### United States Marine Corps, 3rd Reconnaissance Battalion, Okinawa, Japan (1985-1989)

## Selected Project Experience

### **U.S. Army Reserve Fire Protection Services Nationwide 2017-Current**

Principal in Charge for Sebench. a primary fire protection systems specialist for the U.S. Army Reserves (USAR) providing the contract supporting USAR fire protection systems for most USAR facilities throughout the continental United States and Puerto Rico. With 1,400 locations, we develop and provide all project essential oversight for those facilities. Served Army reservist community with development, initiation, and maintenance, ensuring compliance with the USAR fire prevention program with program management teams to meticulously develop and manage fire system repair projects simultaneously performed throughout the country. Sebench technical assessment and program reports provided the required code evaluation reports for all life safety issues, fire monitoring, and off-post fire inspection programs, with viable long-term solutions. Cost: \$100mil+

### **United States Steel Loss Control Services, Nationwide (2007-2014)**

Principal/Fire Protection Engineer for a multi-year contract, functioned as an adjunct to U. S. Steel's Corporate Fire Protection Division. Primary responsibilities included code review on each of over 175 proposed Fire Protection upgrades and repairs each year; established standard Fire Protection Design Specifications for every anticipated U.S. Steel project, worldwide, (production change, acquisition or facility modification or modernization); approved all specifications, design, and installation on \$10-25 million spent each year by U. S. Steel in Fire Protection; and verified design and witnessed testing of all installed Fire Protection Systems. Projects reviewed since 2007 are over \$15 billion.

### **ZEP Chemicals 2009 – Current**

Principal/Fire Protection Engineer providing Fire Protection Engineering Services for numerous (20+) projects since 2009, including facility upgrade for chemical blending and repackaging facilities. The total scope of these projects exceeds \$20 million. The facility presents unique challenges for fire protection, due to existing physical constraints at the site, the extremely hazardous nature of the chemicals involved, and the necessity to perform the upgrades without shutting down a fully operational production line.

## Professional Affiliations

- ◆ Board Member of NFPA Industrial Fire Protection Section
- ◆ SFPE (Society of Fire Protection Engineers) Foundation Atlanta Chapter Board Member
- ◆ NFPA - National Fire Protection Association
- ◆ SFPE - Society of Fire Protection Engineers