



TVA Project Engineering Services

Insight You Need for Life Safety and Code Compliance

TVA understands the numerous pressures that you are facing while creating a safe environment that addresses operational, construction, and practical difficulties. Our goal is to provide you the peace of mind of knowing that your fire protection needs are being addressed properly, allowing you to focus on other concerns.

TVA's project engineering consulting division provides the insight and analysis you need to meet prescriptive code requirements and performance objectives. Our engineering team is composed of top engineers and former code officials, so we have the breadth of vision and depth of knowledge to deliver creative solutions that work on the drawing table and on the factory floor. We provide you the right answers at the right time to save you time and money.

Our expertise ensures that we can prevent costly delays that often occur during occupancy inspections by identifying potential issues at the start of a project - something that lets you stick to your budget and deadlines. We also pride ourselves on our ability to provide recommendations that meet your operational needs and provide the highest level of life safety. Compliance reviews, especially when conducted early in the development process and done in partnership with the building and fire officials, provides the most cost-effective means to satisfy requirements and create a safe environment.

ENGINEERING SERVICES



Consulting Services

TVA provides a wide range of consulting services tailored to the needs of today's business leaders. We help owners, project managers, and fire service organizations find practical solutions by offering:

- **Site evaluations** - providing unbiased assessment of water supply capabilities and site feasibility and providing for early pursuit of alternative solutions where deficiencies exist.
- **Design reviews** - identifying potential design and operational issues, as early as the concept phase of a project.
- **Jurisdiction mitigation and code negotiation** - identifying high cost-impact issues so that compromises can be negotiated for what would otherwise become major issues.
- **Appeals process** - leading the process that allows for proposals to be pursued through further channels.
- **Hazardous material analysis and disclosure** - relieving you from having to research, evaluate, and submit complex hazardous materials information.
- **Acceptance testing of fire protection systems** - providing a level of assurance that fire protection systems are fully operational and meet the owner's mandated requirements.

Empowering You to Meet Building Code Requirements and Achieve Life Safety

Engineering Services

Buildings that utilize the most efficient and cost-effective fire protection systems start with exceptional engineering. Our full-service engineering department offers a comprehensive suite of engineering services and advanced technologies that provide your facility with an unparalleled level of life safety.

Here are brief descriptions of our key services:

Hazard Evaluation: We evaluate hazards for performance based on the construction type, the protection levels used in the building, the occupancy of the building, the processes in the building, and local response capabilities. By taking all of these factors into account, we provide designers with comprehensive information.

Computer Modeling: We use the latest computer modeling techniques to ensure that you have the most effective fire suppression and detection systems, as well as a comprehensive evacuation program. We utilize: timed egress modeling, smoke evacuation modeling, fire detection device activation time (sprinklers and smoke/heat detectors), and compartment fire modeling.

Design Methodology: Our engineers tie together code requirements, test data, and computer modeling in order to create designs that reduce hazards and provide the highest level of property protection.



Construction Management

Construction management is the effective utilization of all design and consulting services. Through this TVA offering, you'll enjoy significant savings in construction costs - and ensure that the most effective protection systems are selected and installed correctly.

Value Engineering: Because our staff knows the construction side of system engineering and system installation, as well as the latest technologies available, we can significantly reduce your expenditures.

Insurance Benefit Facilitation: TVA can represent your dealings with multiple property and casualty insurance companies to ensure that you receive the maximum credit possible for your protection investment.

Delay Elimination: Between our in-house project management experts and our close coordination with other vendors, we can create aggressive timetables for fire and life safety projects.

Quality Assurance: Customers count on TVA to ensure that the correct materials and equipment are used, and that fabrication and installation is of the highest quality.

In addition to the services outlined above, TVA can assist you with system installation management, work order management, and material purchase management to ensure the best pricing and the most efficient processes available.

About TVA Fire & Life Safety, Inc.

TVA provides engineering, consulting, and project management services in the fire protection, security, and loss control fields. Clients include numerous Fortune 500 companies. The company currently has ten offices in the US and one in Europe: San Diego, CA (corporate headquarters); Los Angeles, CA; Atlanta, GA; Detroit, MI; Minneapolis, MN; St. Louis, MO; Mt. Arlington, NJ; Dallas, TX; Seattle, WA; Newark, DE; and London, UK. For more information, please call 858-795-1000 or visit our Web site at www.tvafiresafety.com.

