

GEM Technologies, Inc. offers a full range of engineering and technical services by personnel with extensive commercial nuclear power experience. GEM has provided support to both government agencies and private industry enterprises. Look to GEM to meet your needs for support services in the commercial nuclear power arena.

### BACKGROUND

GEM's origins are based in commercial nuclear power, and many of our personnel have numerous years of experience working in nuclear plants across the United States. GEM is headquartered in Knoxville, Tennessee, and also has access to an extensive network of personnel with local Tennessee Valley Authority experience.

### GEM Personnel Experience Includes:

- Boiling Water Reactors
- Pressurized Water Reactors
- Advanced Reactor Types

GEM personnel bring a vast wealth of experience to meet customer needs for support services in the commercial nuclear power industry.



**GEM's Origins are in  
Commercial Nuclear Power**

### CORE CAPABILITIES

GEM's capabilities range from providing broad engineering and design services to very specialized engineering support.

### Major Services Include:

- Nuclear Plant Design
  - Primary Cycle
  - Balance of Plant
  - Systems Engineering
  - Instrumentation & Controls
  - Cooling Systems
- Technical Analyses
  - Thermal Hydraulics
  - Heat Transfer
  - Fluid Flow
  - Stress & Structural Analyses
- Equipment Specifications
- Procurement Engineering
- Configuration Management
- Safety Analyses
- Probabilistic Risk Assessments
- Licensing
- Fire Protection
- Radioactive Waste Mgmt.
- Maintenance Planning
- Training
- On-Site Staffing

### PERSONNEL EXPERIENCE

The experience of the engineers in GEM's Engineering and Technical Services Division typically averages more than 25 years. GEM currently employs approximately thirty-five (35) engineers in all major disciplines, and seven (7) are licensed Professional Engineers.

### GEM Engineers Include All Major Disciplines:

- Nuclear
- Mechanical
- Civil
- Structural
- Electrical
- Chemical

GEM has also been successful in recruiting and hiring senior, experienced staff to provide supplemental support in specific technical areas, as requested by our customers.



**GEM Senior Engineering Team**

### CUSTOMER SATISFACTION

GEM's management is committed to meeting customer needs in a cost effective manner as well as exceeding expectations for response times and quality of deliverables.



**GEM's President & CEO  
Michael H. Evans**

Please contact Soni Davidson, Vice President of Engineering & Technical Services, for further information about GEM's full range of support services related to commercial nuclear power.

**GEM is a Minority-Owned Small Disadvantaged Business**

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