



**TRAINING INSTITUTE, INC.**  
**ELECTRICAL ENGINEERING DIVISION**  
Registered Engineering Firm in the State of Texas #F-006122  
1-877-594-3156 • www.avoeedivision.com

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## QUALIFICATIONS BRIEF

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**ALEXANDER NIZOV, P.E.**  
**Manager and Principal Engineer**  
**Electrical Engineering Division**

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### SUMMARY

Alexander has over 27 years experience in the engineering, design and construction of various types of facilities and utility projects. Alexander is registered with the National Council of Examiners for Engineering and Surveying (NCEES) and is licensed in the States of **Arizona, Arkansas, Colorado, Idaho, Iowa, Kansas, Louisiana, Mississippi, Missouri, New Mexico, Oklahoma, Pennsylvania, and Texas**. Additionally, Alexander has excellent working knowledge of the NEC, IEEE, and NFPA industry standards. At present he is responsible for overseeing all engineering projects. His past responsibilities have included power systems design and calculations; Design of low- and medium-voltage power distribution and utilization systems; Specification and procurement of generation and distribution equipment; Development of control systems; Field assignments and construction support roles for different projects; Electrical engineering design for the water and wastewater industry for 18 years; Interfacing directly with industrial and utility clients, municipalities, facility maintenance and operations staff, and participated in joint venture development meetings; Managed and oversaw the completion of ongoing projects; Conducted QA/QC reviews of the projects.

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### EXPERIENCE

#### **Present**

#### **AVO Electrical Engineering Division – Manager and Principal Engineer**

Responsibilities include the management of all engineering work *and* resources for the timely completion of projects within scheduled budget expectations. Projects include but not limited to short circuit current analysis, protective device coordination studies, power factor correction studies, load flow analysis, power quality investigations, and arc-flash hazard analysis for industrial, commercial, and utility clients. Alex actively participates in departmental business development and marketing/sales related activities. He performs and oversees work by other EE's and is proficient with using SKM Power<sup>®</sup> Tools for Windows<sup>™</sup> and other electrical engineering analysis software. Alex performs on-site electrical engineering assessments as requested by potential clients; has working knowledge of NEC, NFPA, IEEE, and OSHA industry standards and regulations pertaining to electrical power systems for commercial, industrial, and Utility sectors.

#### **2007 – 2003**

#### **Gupta and Associates, Inc. – Principal/Operations and Technical Manager of Engineering Dept.**

Electrical engineering design for the water and wastewater industry. Responsibilities included design of low- and medium-voltage power distribution and utilization systems, regularly interfacing directly with utility clients and municipalities, overseeing the completion of ongoing projects, conducting QA/QC reviews of projects, management of engineering group.

## QUALIFICATIONS BRIEF (CONT)

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### EXPERIENCE (CONT)

**2003 – 1996**

**Camp Dresser & McKee, Inc. – Senior Electrical Engineer/Electrical Group Manager**

Electrical design for the water and wastewater industry. Responsibilities included design of low- and medium-voltage power distribution and utilization systems; preparation of specifications, procurement of generation and distribution equipment; lighting design and development of control systems; field assignment and construction support; regular interfacing with utility clients and municipalities; training junior engineers; overseeing the completion of ongoing projects; conducting QA/QC reviews of projects; monitoring project budgets; management of the electrical engineering group.

**1996 – 1992**

**Charles R. McCreary & Associates, Inc. – Electrical Engineer**

Electrical design for the water and wastewater industry.

**1991 – 1990**

**Delta Brands, Inc. – Electrical Engineer**

Electrical design for large custom metal processing machines.

**1988 – 1979**

**R&D Institute of Electronic Manufacturing Equipment – Electrical Engineer**

Designed and managed more than 40 projects in different cities in the former Soviet Union for various metal processing furnaces, including electronic beam furnaces, arc furnaces, plasma furnaces, induction resistance furnaces and vacuum furnaces.

### EDUCATION AND PROFESSIONAL

Chuvashsky State University, USSR, 1979

Bachelor of Science in Electrical Engineering

Licensed as a Professional Engineer in the following states: Arizona, Arkansas, Colorado, Idaho, Iowa, Kansas, Louisiana, Mississippi, Missouri, New Mexico, Oklahoma, Pennsylvania, and Texas

Engineering record recognized by NCEES

Member of IEEE since 1999