

FELIX TOUZA, PE
RESUME OF PROFESSIONAL QUALIFICATIONS
June 2026

EDUCATION

- University of Havana, Cuba 1979
Bachelor of Science, Mechanical Engineering
- Various continuing education, classes, seminars and webinars

TRAINING

- Revit Software Training, Westech College, 2019
- Revit Software training - Westech College, 2013
- Bi-yearly training on Energy Soft Energy modeling software and California energy code compliance - Southern California Gas Company, 1998 to 2019.
- Building commissioning training and certification - ACG Convention, Las Vegas, NV, 2006

PROFESSIONAL
REGISTRATION

- Licensed Professional Engineer, Arizona (AZ #27153)
- Licensed Professional Engineer, California (CA #M26942)
- Licensed Professional Engineer, Florida (FL #83029)
- Licensed Professional Engineer, Hawaii (HI #17769)
- Licensed Professional Engineer, Idaho (ID #P-20106)
- Licensed Professional Engineer, Maryland (MD #60743)
- Licensed Professional Engineer, Nevada (NV #9927)
- Licensed Professional Engineer, New York (NY #106780)
- Licensed Professional Engineer, Oregon (OR #92362)
- Licensed Professional Engineer, Pennsylvania (PA #PE-17769)
- Licensed Professional Engineer, Washington (WA #28824)

PROFESSIONAL
CERTIFICATION

- Certified Commissioning Agent (CxA)
- Certified in Plumbing Design (CPD #901322)
- EPA 608 and 609 Refrigerant Handling Certification
- Certified as California HERS Rater
- ICC Certified Commercial Plumbing Inspector
- ICC Certified Residential Plumbing Inspector
- ICC Certified Commercial Mechanical Plans Examiner

PROFESSIONAL

9220 W Foxtail Ln, Spokane, WA 99224
PHONE: (714) 487-1846
EMAIL: felixtouza@touzaforensics.com

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AFFILIATIONS

- American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE)
- American Society of Plumbing Engineers (ASPE)
- International Code Council (ICC)

BIO

Felix has over 40 years of experience in design and construction administration and serving as an expert witness for plumbing, mechanical, energy management and fire sprinkler and life safety systems. He has extensive experience with various HVAC systems, including central systems, central plants and variable refrigerant systems. He conducts HVAC systems functional analysis, inspections and functional testing, including testifying about installation, performance and standard of care. He investigates issues involving gas-fired comfort heating and air process systems and is experienced with designing and inspecting fuel gas piping, systems and components, and appliances.

He also testifies on interaction between design and construction team members and standard of care for construction projects.

He has designed, tested and inspected plumbing drainage and domestic cold and hot water systems, including water heaters, boilers, and recirculating and pressure control systems. He also brings experience designing and inspecting life safety systems such as sprinkler and smoke control systems and their controls. Felix has extensive experience with numerous control systems serving HVAC, plumbing, and process systems and is experienced with the design and inspection of kitchen hoods and ventilation systems. He is familiar with the design, testing and troubleshooting of Building Management Systems. As a design project manager, he is also experienced with contracts and procedures governing the interaction and responsibilities of institutional, commercial, government and residential systems.

PROFESSIONAL HIGHLIGHTS

2025-Present

Touza Forensics, Inc.

Spokane, WA

Forensic Mechanical Engineer

Performs analysis of HVAC, plumbing, controls and combustion systems failures and malfunctions. Responsibilities include forensic analysis of HVAC, plumbing, fire protection, combustion equipment, controls and energy management systems. Performs design analysis, testing, and site inspections. Generates reports and summary analysis; testifies on litigation, depositions and trials.

2023-2025

Jensen Hughes, Inc.

Mountlake Terrace, WA

Senior Mechanical Engineer

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Performs analysis of HVAC, plumbing, controls and combustion systems failures and malfunctions. Responsibilities include forensic analysis of HVAC, plumbing, fire protection, combustion equipment, controls and energy management systems. Performs design analysis, testing, and site inspections. Generates reports and summary analysis; testifies on litigation, depositions and trials.

2022-2023

Ivey Engineering, Inc.

Clearwater, FL

Senior Consultant

Responsibilities included design and forensic analysis of HVAC, plumbing, fire protection, and energy management systems. Performed site inspections, testing, research, product analysis, and construction cost estimates. Wrote expert reports and testified in depositions, hearings, and trials.

2019-2022

McKinstry Company

Spokane, WA

Senior Mechanical Engineer

In charge of project management for large HVAC design projects. Served as a senior advisor on design and other technical issues. Mentored and trained junior- and mid-level staff, developed training programs, and prepared presentations and technical seminars. Performed QA/QC and developed design for schematics for HVAC projects. Projects included data centers, multi-family housing, and manufacturing facilities.

2014-2019

Ivey Engineering

San Diego, CA

Lead Engineer

Responsibilities included design and forensic analysis of HVAC, plumbing, fire protection and energy management systems. Performed site inspections, testing, research, product analysis, and construction cost estimates. Wrote expert reports and testified in depositions, hearings, and trials

2009 – 2014

Limbach, LLC

Southern California

Sr. Mechanical Engineer

Responsibilities included managing design and design supervision of large design-build projects for large mechanical contractor. Assisted on team construction and design-assist projects, developing cohesive, value-added designs in a cooperative environment.

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Interfaced with trades and detailing departments to validate designs for constructability. Developed value engineering and value-added alternatives to projects acquired by conventional means. Interfaced with clients, including developers, general contractors and architects, to develop integrated designs for mechanical systems. Assisted trade managers in interpreting construction documents and developing QA/QC manuals and installation standards. Assisted office detailers and field installers in solving installation and inter-trade conflicts.

2001 – 2009

J&S Consulting Engineers, Inc.

Burbank, CA

Head, Mechanical Department

Managed design and construction supervision of the mechanical portion of multiple large projects, including new construction and renovations. Participated in construction observation of institutional and commercial mechanical construction and renovation projects. Assisted building owners in managing financial and construction observation of mechanical-only projects. Reviewed contractor's work and verified compliance with construction documents. Witnessed validation tests, reviewed reports, and ensured compliance with expected systems performance. Assisted clients in developing the scope of renovation and new construction projects by providing technical and budget recommendations based on construction knowledge. Projects included institutional (college and K-12 educational), healthcare, commercial and retail facilities

1998 – 2001

ME Engineers.

Los Angeles, CA

Mechanical Project Engineer

Served as the project manager for mechanical design for a large new trauma hospital. Supervised engineer's work and developed standards to be used. Coordinated with architects and other disciplines. Interfaced directly with the client in developing the scope and design concept for the facility. Participated in design review and approval meetings with the Authority Having Jurisdiction (California OSHPD)

1990 – 1998

J&S Consulting Engineers, Inc.

Burbank, CA

Head, Mechanical Department

Entry into the firm expanded the scope of offerings to mechanical and plumbing consulting engineering. Tenure with the firm saw growth into larger, more complex projects in the healthcare, educational and government fields. Started company mechanical department; responsible for developing standards, marketing and staffing.

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In charge of all mechanical design for the company and worked on institutional, commercial and government projects. Supervised designers and CAD operators and interfaced directly with clients for design concept and budgeting. Performed construction supervision for projects designed by the firm.

1988 – 1990

The Meckler Group

Encino, CA

Sr. Mechanical Engineer

The Meckler Group was a mechanical consulting engineering firm providing HVAC and plumbing design services for institutional and commercial clients. The firm also conducted research and forensic studies and provided expert witness services in the mechanical engineering field. Mr. Meckler was a foremost authority in the fields of indoor air quality and as such, the firm handled a sizable amount of consulting projects related to claims and defects in the indoor air quality field. Assisted the company president on research and development for Indoor Air Quality and Energy Conservation projects. Performed building modeling for energy analysis, verified performance of actual systems vs. design projections. Performed building systems analysis to verify performance from field testing data and systems simulation. Designed mechanical systems for industrial and medical facilities, including cleanrooms and medical office buildings.