

# William R. Acorn, PE, DFE, FASHRAE, CFLC

## Overview of Professional Experience

William R. Acorn is principal and founder of Acorn Consulting Services, LLC. As a consulting mechanical engineer specializing in the built environment, he provides project design and management, mentoring and advanced training, forensic analysis and litigation consulting and expert testimony at legal proceedings.

Since graduating "with distinction" with a BSME degree from the University of Arizona and obtaining licensure as a Professional Engineer, Mr. Acorn has accumulated more than 40 years' experience as a consulting engineer.

He is an internationally recognized authority on assessing, evaluating, conceptualizing and remediating complex project design, construction and operational issues related to mechanical systems in buildings. His expertise includes HVAC systems, cleanrooms, piping and refrigeration systems, and building and fire code compliance in commercial office buildings, healthcare facilities, institutional laboratories, and clean manufacturing facilities for semiconductor and related advanced technology industries.

His experiences as an **engineer, project manager and design firm principal** cover the spectrum including programming, all aspects of design, development of construction documents, start-up and commissioning, construction phase support for new and retrofit projects, and the evaluation and optimization of building mechanical systems.

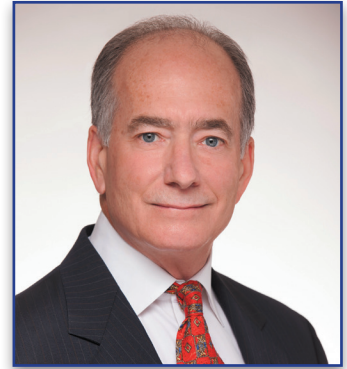
Mr. Acorn's **project consulting services** include serving as an owner's agent or extension of the staff of the designer and/or builder of complex projects with services spanning the range from **peer review** of the design, to code compliance consulting, **value engineering**, sustainability, energy use evaluation, and **performance optimization** recommendations.

As the author of **Code Compliance for Advanced Technology Facilities**, Mr. Acorn is widely recognized as an authority on hazardous occupancy code compliance, and regularly consults with the regulatory community concerning issues on life safety in semiconductor and similar hazardous occupancy facilities. He is also a contributor to the Semiconductor Safety Handbook edited by Richard A. Bolmen, Jr.

He has significant experience as an **expert analyst** of building system design and construction, environmental system control failures, code compliance issues and cause and effect relationships of performance issues related to the built environment. In his role as forensic engineer, litigation consultant, and expert witness, Mr. Acorn has represented plaintiffs, defendants and insurers in domestic and international venues with individual litigation values over \$250MM USD. His ability to explain complex issues in a manner that is understandable to students, entry level engineers, managers, and non-technical audiences is key to his success in the litigation consulting environment.



Acorn Consulting Services, LLC



## Visiting Lecturer

Delivers public and private seminars and workshops through Arizona State University, the University of Arizona and technical organizations. He provides continuing education programs and graduate level coursework on mechanical system design, project management, code compliance for advanced technology facilities and more.

## Licenses/Registration

Professional Mechanical Engineer (P.E.) in Arizona, California, Colorado, Illinois, Iowa, New Hampshire, New Mexico, Nevada, Oklahoma, Oregon, Texas, Utah and Washington

National Council of Examiners for Engineering and Surveying (NCEES) Certificate 6999

**DFE:** Board Certified Diplomate in Forensic Engineering granted by the National Academy of Forensic Engineers (NAFE)

**FASHRAE:** "Fellow" in the HVAC industry-leading American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)

**CFLC:** Certified Forensic Litigation Consultant through the Forensic Expert Witness Association.

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Offices in Arizona and Washington