

Curriculum Vitae

David C. Flettrich, P.E.

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Qualifications

- Licensed PE (professional engineer) in Mechanical Engineering
- Licensed PE in Electrical Engineering
- Licensed PE in Control Systems Engineering
- Certified Indoor Environmentalist (CIE)
- Certified Microbial Remediator (CMR)
- Licensed contractor in Louisiana in the classifications of building construction, electrical work and mechanical work

Professional Summary

David C. Flettrich, P.E. has fifty-four years (1967 to 2021) experience in (1) the design and retrofit of energy efficient mechanical, electrical, and control (MEC) systems for both new and existing residential, commercial, industrial and institutional facilities with particular emphasis on HVAC, refrigeration, hydronics, controls, energy conservation, and energy management systems (2) problem solving and (3) cause and origin investigations related to poorly performing or problematic building systems. The combination of Mr. Flettrich’s multi-disciplined expertise and his extensive background in design and construction uniquely qualifies him as a forensic expert who is capable of performing comprehensive investigations and eliminates, in many instances, the need to retain multiple engineering experts on cases requiring a multi-disciplined investigation.

Expertise/Services

- Forensic engineering
- Expert witness (for both plaintiffs and defendants)
- Litigation support
- Subrogation support for the insurance industry
- Cause and origin investigations to identify design errors and omissions and construction defects
- Sick system analyses, i.e., the analyses of poorly performing or problematic building systems
- Moisture intrusion analyses (including mold causation analyses)
- Energy conservation and cost savings analyses
- Water conservation and cost savings analyses

Relevant Work Experience

- President of David C. Flettrich, A Professional Engineering Corporation 1990 - Present
 - Expert witness
 - Forensic engineering expert responsible for problem solving and cause and origin investigations related to poorly performing or problematic building systems
 - Engineer responsible for the analysis, redesign, and retrofit of existing poorly performing or problematical MEC systems and the design of energy efficient MEC systems for both new and existing residential, commercial, industrial and institutional facilities, with particular emphasis on HVAC, hydronic, control, energy conservation, and energy management systems
- Engineer with Flettrich Engineering Services 1967 - 1989
 - Responsible for the design, installation, service and maintenance of MEC systems
 - Performed sick system analyses of poorly performing or problematic MEC systems
 - Performed energy conservation audits and analyses
 - Responsible for specification and report writing

Other Work Experience

- Professional baseball player 1967
- Engineer with Boeing Aerospace 1966

Active PE Registration

- Currently licensed in Alabama, Florida, Louisiana, Mississippi, and Texas
- NCEES (National Council of Examiners for Engineering and Surveying) certified
- Can be licensed in other states expeditiously by comity via NCEES certification

Education

- Bachelor of Science in Electrical Engineering, Tulane University, New Orleans, Louisiana

Awards & Honors

- First Place in the Region VII ASHRAE (American Society of Heating, Refrigerating and Air- Conditioning Engineers), 1982-1983 Energy Awards Competition in Category II for existing commercial, institutional or public assembly buildings

Professional Affiliations

- National Fire Protection Association (NFPA)
- American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE)
- Indoor Air Quality Association (IAQA)
- National Council of Examiners for Engineering and Surveying (NCEES)

Presentations (Seminars, Workshops & Training)

- “The Mold Issue”
- “Workshop on Moisture Control in Hotel Corridors and Guest Rooms”
- “Workshop on Hotel Service Water Heating Systems”
- “Design and Construction of Energy Efficient Commercial Buildings”
- “Managing Energy in Commercial Buildings”
- “Organizing and Implementing an Energy Management Program for Commercial Buildings “
- “Operations and Maintenance (O&M) Procedures for Energy Conservation in State Office Buildings”
- “Energy Conservation in New and Existing Buildings”
- “Control Theory”

Information Available Upon Request

- A Supplementary Experience Record (SER) which chronicles Mr. Flettrich’s career experiences
- A company portfolio which includes a listing of Mr. Flettrich’s engineering and forensic projects
- References

End of Curriculum Vitae