



Integrated Consulting Engineers, Inc.

2604 W 9th St • Ste. 100 • Wichita, KS 67203

316-264-3588 • 316-264-3948 • iconengineers.net

CREATING INNOVATIVE AND ENERGY EFFICIENT
ENGINEERING DESIGNS FOR TODAY'S FACILITIES.

Firm Profile

Integrated Consulting Engineers, Inc. is a thirteen person firm specializing in Mechanical, Electrical and Plumbing systems design and engineering. The firm was founded in 2006 with a vision of providing innovative professional engineering services to Architects, Owners, Design Build Contractors, Developers and Municipalities.

Integrated Consulting Engineers, Inc. takes pride in creating designs that are innovative and energy efficient, but most importantly within budget and on schedule. While keeping budget and system life cycle costs as a constant reminder to the viability of a project, our engineers are continually “thinking outside the box” by evaluating new designs that employ building sustainability and energy conservation techniques. We understand the operational, maintenance, and financial constraints that Owners have with their budgets, and that *all* projects must be highly efficient with respect to building envelope, mechanical systems energy efficiency, indoor air quality, building day lighting and electrical power distribution.

Integrated Consulting Engineers, Inc. provides Owners with technical expertise in evaluating existing buildings by providing computerized building heating and cooling load analysis, computerized lighting analysis, energy conservation studies, building controls recommendations, system life cycle cost analysis, and by performing building system evaluation surveys.

Integrated Consulting Engineers, Inc has been associated with a wide variety of design projects and our multi-discipline firm enables us to provide our clients with paired performance and design support that exceeds expectations. Our portfolio includes: new and existing educational facility design and renovations, university and institutional building design, medical office buildings, ambulatory surgical centers, hospitals, commercial properties, religious facilities, banks, condominium complexes, hospitality buildings, industrial and manufacturing facilities, natatoriums, restaurants and food service facilities, as well as military and governmental buildings.

Our engineers are licensed in forty-eight states throughout the United States. We are registered with the National Council of Examiners for Engineering and Surveying (NCEES), members of the Association of Energy Engineers, International Ground Source Heat Pump Association (IGSHPA), the United States Green Building Council (USGBC), the American Society for Healthcare Engineering (ASHE) and have LEED and Certified Building Commissioning (CBCP) accredited professionals on staff.



ICE Engineering Services

- Heating, Ventilating and Air Conditioning (HVAC)
- Plumbing
- Power Distribution
- Lighting Control
- Construction Observation & Administration
- Energy Analysis
- Life Cycle Cost Analysis
- Existing Facility Equipment Surveys
- Sustainable Design Strategies (LEED)
- FEMA Storm Shelters
- Fire Protection & Alarm Systems
- Cost Estimating
- Energy Conservation Studies
- Thermal Imaging Studies
- Control Systems Integration
- Telecommunications
- Security
- Electrical Systems Design Services
- Specialty Lighting Design
- Voice, Data, Sound & Video Networks
- Computerized Lighting Analysis
- Lightning Protection & Static Grounding
- Cogeneration Studies & System Design
- Short Circuit Studies & Coordination Analysis
- Medium Voltage Distribution Systems
- Backup Generating Systems
- Uninterruptible Power Systems
- Lighting Upgrades



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Engineers, Inc.

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Licensure:
All 48 Contiguous
States

**Professional
Affiliations:**
NCEES
NFPA
KAFAA
IAEI

Phil J. Voegeli, P.E.

LEED AP, CBCP

Principal / Professional Engineer

Education

1984 – Bachelors of Science, Electrical Engineering
Wichita State University

Work Experience

Phil currently has over twenty-five years of experience in electrical design and engineering. His past duties have included design formulation, presentation, inspection and construction supervision of electrical power, control, audio-visual, communications, security, time, fire detection and alarm, emergency generating and lighting systems for new and existing structures.

Phil has provided electrical engineering designs for hospitals, schools, office buildings, churches, military installations, banks, garages, industrial plants, laboratories, nursing homes, medical clinics, food processing facilities, swimming pools, theaters, aircraft hangars, zoo exhibits, retail stores, roadway and bridge lighting systems, emergency generating stations, telephone switching facilities, data processing centers, sewage treatment plants, courtrooms, hazardous environmental areas, libraries and energy audits.

Projects that Phil has worked on include:

- Koch Office Building, Wichita, KS
- KU Hospital, Kansas City, KS
- Coffeyville Hospital, Coffeyville, KS
- Halstead Hospital Addition , Halstead, KS
- Garden City Mental Health, Garden City, KS
- Southwest Medical Center, Liberal, KS
- St. Joseph Hospital Fire Alarm System, Wichita, KS
- St. Joseph Surgical Room, Wichita, KS
- St. Luke Hospital Arc Flash Evaluation, Kansas City, KS
- Wesley Hospital Fire Alarm, Wichita, KS
- Wichita Clinic Remodel, Wichita, KS
- Coffeyville Intensive Care Unit, Coffeyville, KS
- EMS Facility, Liberal, KS
- Larned Adult Treatment Facility, Larned, KS
- Marysville Hospital Additions, Marysville, KS
- Morton County Hospital Addition, Elkhart, KS
- Medium Voltage Distribution System, Kansas State Fair, Hutchinson, KS
- Epic Center, Wichita, KS
- Hotels, All major affiliations, Nationwide
- Sedgwick County Adult Detention Center, Wichita, KS
- Exploration Place, Wichita, KS
- Wichita State University, Wichita, KS
- McConnell Air Force Base, Wichita, KS



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Licensure:

Kansas
Missouri
Arkansas
Alabama
Arizona
North Carolina

**Professional
Affiliations:**

ASHRAE
NCEES
ASPE
IGSHA

Dwayne D. Vaughn, P.E.

LEED AP

Principal / Professional Engineer

Education

1993—Bachelors of Science, Architectural Engineering
Kansas State University

**Work Experience:**

Dwayne's background and fifteen (15) years of experience in the field of HVAC, fire protection and plumbing engineering has provided him with a wide variety of design expertise. His involvement in medical, commercial, institutional and industrial projects encompasses all aspects of the design and construction process. Dwayne's responsibilities include mechanical system cost estimating, heating and cooling load analysis, mechanical system energy analysis, life cycle cost analysis, equipment selection, piping and duct design and building mechanical condition surveys. Dwayne also provides scheduling, quality control, project coordination and construction administration services.

Dwayne has provided mechanical system designs for health care facilities, schools, multi-story hotels, university buildings, retail shopping centers, churches, restaurants, banks, manufacturing plants, commercial office buildings and detention facilities.

Healthcare projects that Dwayne has worked on include:

- Via Christi Regional Medical Center
 - West Campus Medical Office Building
 - Winfield Healthcare Center Linear Accelerator Addition
 - Ronald McDonald House
 - EMS Remodel
 - Administrative Suites
 - Doctor Call Rooms
 - Isolation Rooms
 - Pediatrics Unit Remodel
- Andover Medical Clinic—Andover, Kansas
- Finney County Administration Building
- Finney County Senior Center
- Kansas Veterans Home—Winfield, Kansas
- Hutchinson Hospital
 - 4100 Wing Remodel
- Kearny County Hospital—Lakin, Kansas
- Koch Industries Office Building – Wichita, Kansas
- Lowen Corporation Office & Production Facility – Hutchinson, Kansas
- Lubbock Heart Hospital—Lubbock, Texas
- Western Plains Regional Hospital—Dodge City, Kansas
 - Birthing Center Addition
 - Rehabilitation Remodel
- Manhattan Medical Center – Manhattan, Kansas
 - Medical Office Building
- Newton Medical Center Ophthalmology Clinic
- Salina Surgical Center – Salina, Kansas
- Scott City Clinic Addition & Remodel
- Phillips County Medical Clinic

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Licensure:

Kansas
Colorado
New Mexico
Texas
Oklahoma
Washington

**Professional
Affiliations:**

ASHRAE

Scott E. Smith, P.E.

LEED AP, CBCP

Principal / Professional Engineer

Education

1986—B.S., Mechanical Engineering Technology
Kansas State University

Work Experience:

Scott's twenty-two (22) years of experience in both the design bid and design build process has allowed him to experience many different types of mechanical systems including: two pipe and four pipe heating and chilled water systems, constant volume air handling systems, variable air volume and multi-zone systems, Medical Facility system designs, and Computer Room Air Conditioning system designs. Recently Scott completed the first underfloor air distribution (UFAD) system in Wichita, Kansas. Responsibilities include: Building heating and cooling load calculations, comparative system energy analysis, mechanical system cost estimation, direct involvement with mechanical and plumbing system design and specification. Scott also provides construction administration services to ensure the installed systems are in compliance with the drawings and specifications.

Scott has provided mechanical system designs for Medical Office Buildings, Ambulatory Surgical Centers, Hospitals, Educational Facilities, University Campuses, High End Commercial Properties, Small Commercial Projects, Condominium Complexes, Hospitality Buildings, Manufacturing Facilities, Indoor Swimming Pools, Restaurants and Food Service Properties, and Professional Sports Complexes.

Projects that Scott has worked on include:

Wichita Clinic— Founders' Circle
Wichita Clinic—Eberly Farms
Hutchinson Clinic
Kansas Orthopedic Center
Ridgewood Surgery Center
Newton Surgery Center
USD 480 Marion-Florence Sports & Wellness Center
Cedarview Assisted living
Marion Assisted Living Center
Delta Dental of Kansas Office Building
Vantage Point Properties—Building A at the Water Front
Waxahachie Surgery Center, Waxahachie, TX
Wichita River Walk—Building C
Dr. Loewen Dental Clinic
Marion Hospital
Family Medicine East, Wichita, KS
Hoisington Hospital, Hoisington, KS
Central Kansas Medical Center, Great Bend, KS



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