

# Scott BOWMAN

PE | LEED Fellow | LEED AP BD+C

## Contact

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## Experience

37 Total  
25 With KJWW

## Education

Iowa State University  
BS Mechanical Engineering 1982

## Licenses

Professional Engineer since 1987  
Iowa, Nebraska

## Accreditations

LEED Accredited Professional 2004  
LEED BD+C Specialty 2009  
LEED Fellow 2014

## Affiliations

United States Green Building Council  
Education Pro Reviewer  
LEEDuser Expert  
GreenSpring Institute Educator  
BOMI Education Instructor  
Iowa Chapter USGBC (Past Chair)  
Idaho Chapter USGBC  
ASHRAE  
Program for Women in Science and  
Engineering Advisory Board at ISU  
Iowa NSF EPSCoR Project  
External Review Committee  
First Lego League of Iowa  
National History Day  
Iowa LEGO Users Group  
Idaho LEGO Users Group

## Presentations + Publications

USGBC Indiana "Integrated Design Process -  
Path to Durable Change" 2016  
Defense Intelligence Agency "High  
Performance Sustainability" 2016  
Iowa State University "Sustainable  
Integration" 2016  
BuildingGreen "LEED v4 Fundamental  
Commissioning" content, 2016  
LinkedIn "Why is LEGO part of my  
Consulting?" blogs, 2016  
Idaho Green Building Expo "Integrated  
Design, Path to Durable Change" 2015

Scott retired early as Principal and Corporate Sustainability Leader with KJWW, a multi-discipline engineering consulting firm of over 500 people, in May of 2014. He represents extensive experience in mechanical engineering design, energy efficiency, sustainability and project management. His skills include energy efficiency, control strategies, sustainable design, LEED, commissioning, integrated design, charrette leadership, education, coaching, and owner engagement. He is a licensed Professional Engineer and LEED Accredited Professional. He has served on several advisory and organizational boards.



While the Corporate Sustainability Leader, Scott was charged with developing and maintaining KJWW's commissioning, sustainable and LEED services for the entire company along with corporate risk management and contract review. He was involved in most LEED projects for the firm and speaks regularly on sustainability at regional and national conferences and provides regular training on multiple subjects.

Scott started a new consultancy, ID+EA, to expand his voice in the built environment to assist owners and design teams to reach high levels of performance on their projects through many different methods and services. In general, he helps projects **Start Better; Reach Higher; Finish Strong.**

## CLIENTS

### BOMI International, Washington DC

SMT/SMA Instruction - Energy Management and Controls: Three-day training sessions at various locations around the country.  
High Performance Sustainability - Practice: Subject Matter Expert for review, editing, and content development.  
High Performance Sustainability - Practice: On-Line Content Development including written, audio, and video material.

### REV Sustainability, San Francisco CA

Curriculum Development related to energy systems.  
Sustainability Circle Coach - Kansas City, MO.

### Camlin Fine Sciences, Des Moines IA

North America Lab Remodel - Owner Representative and Advocate

### LEGO Events and Facilitation

Simplot, Boise ID - Team Building Support LEGO Scale Up Activity  
St Alphonsus Health Care, Boise ID - LEGO Ornament Kits for Festival  
Boise Art Museum, Boise ID - LEGO Creations for Gala Donor gifts

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## Presentations + Publications (continued)

- Iowa Chapter USGBC “Integrated Design, Path to Durable Change” 2015
- Idaho Chapters ASHRAE and USGBC “LEED v4: The View from the MEP Seats” 2015
- Building a Greener Idaho, Radio Interview on IDEA and Sustainability 2015
- IFMA Midlands Chapter “Accelerating Sustainability” Keynote, 2015
- Gateway Chapter USGBC: “Code Dread: Keeping up with ASHRAE and LEED” 2015
- High Performance Buildings Article “[From Darkness to Light](#)” Summer Issue, 2015
- ASPE Quad City Chapter “LEED and Sustainability” 2015
- Waukees CAPS Program “[Creativity within Constraint](#)” 2015
- ASHRAE Journal Article “[Sustainable Stewardship](#)” October Issue, 2014
- GoGreen Conference, Des Moines IA “Call to High Performance” keynote, 2014
- Iowa Chapter USGBC: “LEED v4: The View from the MEP Seats” 2014
- Building Design+Construction “[Inside LEED v4: The view from the MEP engineering seats](#)” interviewed for article by Robert Cassidy in October Greenbuild issue, 2014
- Greening the Heartland “[LEED v4: The View from the MEP Seats](#)” 2014
- Greening the Heartland “[Integrate Early, Integrate Often](#)” 2014
- IAEE Energy Summit “Living Laboratory Approach to Behavior Change” 2014
- Iowa Governors STEM Council “[STEM Day at the Fair](#)” LEGO activity with IowaLUG and ACE Mentorship Iowa
- DesignColumbus “Code Dread; Keeping up with ASHRAE and LEED” 2014
- CSE Article “[Integrating a High Performance Building](#)” March Issue, 2014
- IES/Central Iowa Chapter “High Performance Design” 2014
- True Market Solutions “Users take Control” 2014
- True Market Solutions “Sustainability and High Performance” 2013
- Greenbuild Philadelphia “Code Dread; Keeping up with ASHRAE and LEED” 2013
- ISU Architecture Studio “High Performance Design” 2013
- Greening the Heartland “Code Dread; Keeping up with ASHRAE and LEED” 2013

## PROFESSIONAL WORK EXPERIANCE

**KJWW Engineering Consultants, PC** May 1989 – June 2014  
Principal with firm and part of management team. Started as Branch Manager for the Des Moines office, the first branch. Acted as project manager on many projects leading to Principal and Corporate Sustainability Leader. Provided risk management including master contract development and maintenance, contract review and negotiation, and training to staff. Scott continues to provide consulting to KJWW on sustainability and risk management.

**Woodburn & O’Neil Architects** October 1987 – May 1989  
Design engineer doing electrical and mechanical design on smaller projects internally for an architectural firm. Project manager on infrastructure type projects that were primarily mechanical in nature, but required architectural and coordination with structural as well. Instrumental in implementation of early CAD system to firm.

**Frank Pulley Associates** December 1982 – October 1987  
Design engineer working on mechanical, plumbing, fire protection, and other system design, including Project Manager on smaller projects. Selected and implemented first CAD program for the firm.

## PROJECT EXPERIENCE (while with KJWW)

- ADVOCATE HEALTHCARE** | Chicago, IL  
*Role* | Sustainability Expert  
Co-Directed development of Sustainability Master Plan for AMG/Dreyer program to build multiple clinics
- UNIVERSITY OF CHICAGO MEDICAL CENTER** | Chicago, IL  
*Role* | Project Executive, Commissioning Authority  
Systems Commissioning for 1,179,000 SF New Hospital Pavilion - **LEED Silver**.....\$980,000,000
- WELLMARK BLUE CROSS & BLUE SHIELD** | Des Moines, IA  
*Role* | Project Executive, LEED Specialist  
New 570,000 SF Corporate Office Building with, Data Center, Parking and Sky Bridge - **LEED Platinum**.....\$186,000,000
- UNIVERSITY OF IOWA** | Iowa City, IA  
*Role* | Project Executive, LEED Specialist, Systems Concept Engineer  
New College of Public Health - **LEED Platinum** ..... \$56,000,000  
*Role* | LEED Specialist, Systems Concept Engineer  
71,000 SF Carver-Hawkeye Arena Expansion and 52,000 SF Renovation - **LEED Gold** ..... \$47,000,000
- JOHN DEERE FINANCIAL** | Johnston, IA  
*Role* | Commissioning Authority, LEED Specialist  
Corporate Office Building 158,000-SF Expansion and Parking Ramp Ramp - **LEED Gold** ..... Confidential

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## Presentations + Publications (continued)

- IES/ACEC Convention “Contrast of Two Platinum Projects” 2013
- Growing Sustainable Communities “Best Energy Practices - IUB/OCA” 2012
- Illinois Chapter USGBC “Taking Water Efficiency to the Limit” 2011
- DPRCG Convocation “Sustainable Design, Emerging Risks” 2011
- DPRCG Networks Article “Managing Client Expectations” 2011
- Iowa Chapter USGBC “Acoustics and LEED” 2011
- Drake MPA Class “Green Buildings and Development” 2010
- Iowa Chapter USGBC “Reduce, Reuse, Recycle” 2010
- DPRCG Convocation “Contracts - Back to Basics” 2010
- Greening the Heartland “Reduce, Reuse, Recycle - Saving our Water One Flush at a Time” 2010
- Midwest Healthcare Conference “Taking a look at Integrated Project Delivery” 2009
- AIA Iowa Convention “10 Years, 100 Projects, 40 Architects” 2009
- Engineers for a Sustainable World ISU “Consultants and LEED” 2009
- i-Renew Expo “Renewable Energy and LEED” 2009
- Greening the Heartland “100 Projects, 100 Results, Looking at Real-Time Decision Making and Energy Modeling” 2009
- National Facilities Management and Technology “Early and Often: The Need to Collaborate on Energy-Efficient Design” 2009
- AIA Iowa Spring Meeting “Slow the Flow” Water Conservation 2009
- Associated Building Contractors “Where is LEED going?” 2009

## Awards

- USGBC, LEED Fellow, 2014
- ISU, Professional Achievement Citation in Engineering, 2011
- IES, Distinguished Service Award 2008
- PWSE Lifetime Champion Award 2007
- IES-CIC, Engineer of the Year 2006
- IES, Young Engineer of the Year 1992

## PROJECT EXPERIENCE (while with KJWW, continued)

- ROCKWELL COLLINS** | Cedar Rapids, IA  
*Role* | Commissioning Authority  
 150,000-SF New Office/Lab Building 131- **LEED Silver** ..... \$16,000,000  
 100,000-SF New Office Building 130 - **LEED Gold** ..... \$9,000,000
- DES MOINES AREA REGIONAL TRANSIT AUTHORITY** | Des Moines, IA  
*Role* | Project Executive, Commissioning Authority  
 20,000-SF New Multimodal Facility - **LEED Platinum** ..... \$10,500,000
- IOWA UTILITY BOARD / OFFICE OF CONSUMER ADVOCATE** | Des Moines, IA  
*Role* | Project Executive, LEED Specialist, Systems Concept Engineer  
 New 44,000 SF Office Building - **LEED Platinum** ..... \$9,500,000
- PRINCIPAL FINANCIAL GROUP** | Des Moines, IA  
*Role* | LEED Specialist  
 27,000-SF New Child Care Center - **LEED Gold** ..... \$6,500,000
- MARSHALLTOWN PUBLIC LIBRARY** | Marshalltown, IA  
*Role* | Project Executive, LEED Specialist, Commissioning Authority  
 New 35,000 SF Public Library - **LEED Gold** ..... \$6,500,000
- IOWA CENTRAL COMMUNITY COLLEGE** | Fort Dodge, IA  
*Role* | Project Executive, LEED Specialist, Systems Concept Engineer  
 34,600-SF New Biotechnology & Health Science Center with Geothermal System - **LEED Gold** ..... \$6,500,000
- ACT, INC** | Iowa City, IA  
*Role* | LEED Specialist  
 8,000-SF New Data Center - **LEED Platinum** ..... \$4,000,000
- RICHLAND COMMUNITY COLLEGE** | Decatur, IL  
*Role* | Project Executive, Commissioning Authority, LEED Specialist  
 15,000-SF Center for Sustainability - **LEED Platinum** ..... \$3,300,000
- OAKRIDGE NEIGHBORHOOD** | Des Moines, IA  
*Role* | Commissioning Authority, LEED Specialist  
 3,800-SF Teen Center - **LEED Platinum** ..... \$900,000

## LEED Experience | with KJWW

KJWW has a long and extensive list of certified projects and Scott was involved in most of them; roles included consultation, assistance, implementation, and submittals, and answering reviewer questions.

- 120 Projects LEED Certified (at the time of Scott’s retirement)
  - Represents 12.3 million SF of building area with value of \$3.2 trillion
  - Projected energy savings of \$4.3M per year; Avg 26% under baseline
  - Projected water savings of 21.9 million gallons per year
  - 19 projects with renewable energy contribution
  - 47 Gold and **14 Platinum**
  - 100 as EOR; 48 as CxA; 42 as Energy Modeler