

# Scott BOWMAN

PE | LEED Fellow | LEED AP BD+C

## Contact

515.314.3788

[scottb@ideabuildworks.com](mailto:scottb@ideabuildworks.com)

Twitter @ScottBLEGO

LinkedIn in/scottbowmanidea

## Experience

38 Total

25 With KJWW

## Education

Iowa State University

BS Mechanical Engineering 1982

## Licenses + Accreditations

Professional Engineer since 1987

Iowa, Nebraska

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

GreenCE Session Development

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

SME and External Review Committee

First Lego League of Iowa

National History Day

Iowa LEGO Users Group

Idaho LEGO Users Group

## Presentations + Publications

Montgomery County Schools "Energy Management and Controls" 2018

SW Idaho Library Association "Connecting One Brick at a Time" 2018

Idaho Chapters USGBC "Risk Management in the age of Climate Change" 2017 Webinar

GreenCE "OPR - Where Integration Begins" 2017 Online Webinar for @education.usgbc

Pentagon, Facility Maintenance "Design Operations Maintenance 2" 2017

Lawrence Berkeley National Lab "Energy Management and Controls" 2017

Scott is a seasoned mechanical engineer with extensive experience in design, high performance, sustainability and project management in the built environment. His skills include energy efficiency, control strategies, sustainable design, resilience, LEED, commissioning, integrated design, charrette leadership, education, coaching, and owner engagement. He is a licensed Professional Engineer and LEED Accredited Professional. Scott enjoys teaching and speaks regularly on sustainability and many other topics at regional and national conferences. He has served on several advisory and organization boards. Scott is also a designer and developer of creations and kits using LEGO bricks. He regularly uses LEGO in his presentations and facilitations in various ways and activities.

Scott retired early and started a new consultancy, ID+EA, in mid-2014 to expand his voice 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.**



Scott was a Principal and Corporate Sustainability Leader with KJWW (now IMEG Corp), a multi-discipline engineering consulting firm of over 500 people at that time. 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, well over 100 total projects certified upon his retirement.

## CLIENTS

### BOMI International, Washington DC

Energy Management and Controls - Instructor for three-day training sessions at various locations around the country.

High Performance Sustainability Practice - Subject Matter Expert for review, editing, and original content development. Instruction for four-day training sessions at various locations. Developed on-line content including written, audio, and video material. On-line instruction. Assisted in new delivery method development.

Design Operations Maintenance, Part 2 - Instruction for four-day training sessions at various locations. On-line instruction.

Design Operations Maintenance, Part 1 and 2 - SME to developed new delivery method and Content Development including written, audio, and video material.

### BuildingGreen, Battleboro VT

Volunteer as LEEDuser Expert for all Commissioning topics.

Assisted in editing and revising content for LEEDuser related to LEED v4.

### REV Sustainability, San Francisco CA

Curriculum Development related to energy systems.

Sustainability Circle Coach - Kansas City, MO.

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## Presentations + Publications (continued)

- USGBC Indiana “Integrated Design Process - Path to Durable Change” 2016
- Defense Intelligence Agency, Facility Management “High Performance Sustainability, Practice” 2016
- Pentagon, Facility Maintenance “Energy Management and Controls” 2016
- Iowa State University, Architecture Dept “Sustainable Integration” 2016
- BuildingGreen “LEED v4 Fundamental Commissioning” on-line content, 2016
- LinkedIn “Why is LEGO part of my Consulting?” blogs, 2016
- Prince George Community Schools “Energy Management Controls” 2018, 2017, 2016
- Idaho Green Building Expo “Integrated Design, Path to Durable Change” 2015
- 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
- Waukee 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
- Greening the Heartland “[LEED v4: The View from the MEP Seats](#)” 2014
- Greening the Heartland “[Integrate Early, Integrate Often](#)” 2014
- DesignColumbus “Code Dread; Keeping up with ASHRAE and LEED” 2014
- CSE Article “[Integrating a High Performance Building](#)” March Issue, 2014

## 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

## CLIENTS (continued)

### Camlin Fine Sciences, Des Moines IA

North America Lab Remodel - Owner Representative and Advocate

### Events and Facilitation Using LEGO

- Idaho STEM Action Center and Boise State University, Boise ID
- STEM Moon Shot - Large Scale STEM event with multiple activities 2018
- St Alphonsus Health Care, Boise ID - Festival of Trees 2017, 2016
- Boise Art Museum, Boise ID - Creations and Exhibit Support 2017
- Simplot, Boise ID - Team Building Support Scale Up Activity 2015

## 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

### 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

## 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 GBCI 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