

Matthew D. Swanson - Principal / Practice Leader
C.E.M., C.E.A., LEED AP

Experience and Expertise (15 Years)

- Team/Project Management
- Technical Knowledge
- Industry Experience
- Sustainable Design
- Innovation
- Construction Knowledge
- Cost Estimating
- Controls & Commissioning
- Troubleshooting
- Master Planning
- Collaboration
- Experience in Diverse Markets



Education

Bachelor of Science, Mechanical Engineering: University of Illinois at Chicago
– Chicago, IL

Award-Winning Projects

ASHRAE Illinois Chapter, First Place Awards

- [2021 Hanover House \(21 W. Goethe\) MEP Upgrades](#)
- [2013 29 North Wacker Mechanical Upgrade Project](#)
- [2013 Olivet Nazarene University Student Life & Recreation Center](#)
- 2011 River Plaza Condominium Mechanical Upgrade Project
- [2010 525 West Hawthorne Condominium Mechanical Upgrade Project](#)

ASHRAE Region VI Awards

- [2021 Hanover House \(21 W. Goethe\) MEP Upgrades \(1st Place\)](#)
- [2013 29 North Wacker Mechanical Upgrade Project \(1st Place\)](#)
- [2013 Olivet Nazarene University Student Life & Recreation Center \(2nd Place\)](#)
- [2010 525 West Hawthorne Condominium Mechanical Upgrade Project \(1st Place\)](#)

ASHRAE International Awards

- [2013 29 North Wacker Mechanical Upgrade Project \(Honorable Mention\)](#)
- [2010 525 West Hawthorne Condominium Mechanical Upgrade Project \(2nd Place\)](#)

Additional Awards

- 2012 IREM Green Design Award for River Plaza Mechanical Upgrade



Big Picture Thinking. Practical Approach. Sustainable Design.

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Representative Projects

- [2017-2021 Tribune Tower Chicago Redevelopment Project](#)
- 2019-2020 Prairie Shores Apartments - Multiple Projects
- 2019-2020 Hanover House (21 W. Goethe) - Multiple Projects
- 2018-2020 ISFA Guaranteed Rate Field - Multiple Projects
- 2017 1109 West Washington Condominiums (The Hayden)
- 2017 4000 West Diversey Apartment Conversion (The Lofts)
- 2017 1550 North Clark Condominiums
- 2016 Vista Homes (5844 S. Stony Island) Boiler Replacement
- 2016 444 West Fullerton Chiller Replacement
- 2015 Q Center Campus Chilled Water Master Plan & Upgrades
- 2013 Township High School District 113 Phase 1 Master Plan Upgrades
- 2011 2800 North Lake Shore Drive Boiler Replacement & Garage CO System
- 2011 Loyola University Distributed Boiler Plants (Steam Plant Phase-Out) Phase 1

Licenses and Certifications

- Certified Energy Manager (AEE)
- Certified Energy Auditor
- Leadership in Energy and Environmental Design Accredited Professional (USGBC)
- Steam System Specialist (DOE)

Professional Affiliations

- Member American Society of Heating, Refrigerating & Air-Conditioning Engineers (ASHRAE)
- Member American Society of Mechanical Engineers (ASME)
- Member United States Green Building Council
- Founding Father University of Illinois-Chicago Chapter of the Phi Kappa Psi Fraternity
- Founding Member University of Illinois-Chicago Chapter of AEE

Publications

- Energy Driven Mechanical Systems Replacement: A High-Rise Case Study (2012)
- Variable Exhaust for Vintage High-Rise Residential Buildings (2010)
- Utilization of the Steam System Assessment Tool in the Chemical Industry (2006)
- E2 and P2 Energy Opportunities in Secondary Aluminum Processing: A Case Study (2005)

Career History

Mr. Swanson currently serves as a Principal at Elara Engineering with a focus on engineering and business development efforts for the firm. Prior to his role as Principal, Mr. Swanson served as a Senior Project Engineer (2016) managing multiple teams of multidisciplinary design professionals on numerous new construction and renovation projects. Previous to his role as Senior Project Engineer, he served as manager (2013-2015) of Elara's Energy Team in a mentorship role for entry level engineers along with oversight of all energy team projects. Earlier in Mr. Swanson's career, he worked at Elara as a Senior Mechanical Engineer (2010-2013) and as a Mechanical Engineer (2006-2010). While attending college, he was a Lead Student/Mechanical Engineer at the Industrial Assessment Center in Chicago, Illinois from 2003 - 2006.