

Andrew Rynda is a Senior Staff Consultant for ESi. He is experienced in building mechanical systems including HVAC, plumbing, building automation, fire protection, and fuel gas systems. He has investigated fire, explosion, and carbon monoxide incidents related to mechanical systems and equipment. Andrew also performs failure analysis.

Education

BS, Mechanical Engineering, University of Minnesota, Minneapolis, MN. 2012

Licenses & Certifications

- State of Georgia P.E. License PE050515
- State of Illinois P.E. License 062-076193
- State of Minnesota P.E. License 57845
- State of North Dakota P.E. License PE-40635
- State of Wisconsin P.E. License 100078-6
- State of New York P.E. License 112453
- ASGE Certified Gas Engineer

Positions Held

Engineering Systems Inc., Plymouth, Minnesota

- Senior Consultant & Regional Operations Manager, 2026 – Present
- Senior Consultant & Team Lead, 2025
- Senior Staff Consultant, 2021 – 2024
- Staff Consultant, 2019 – 2021

Crane Engineering, Plymouth, Minnesota

- Mechanical Engineering Specialist, 2017 – 2018

Wold Architects and Engineers, St. Paul, Minnesota

- Mechanical Designer, 2015 – 2017

Contact Information

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ESi Minnesota

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Areas of Specialization

- Building Automation
- Building Envelope
- Building Mechanical Systems
- Construction Defect
- Explosion
- Fire Protection
- Fuel Gas Systems and Appliances
- HVAC/Refrigeration
- Mechanical
- Plumbing
- Storm Damage Evaluation

Ironwood Electronics, Eagan, Minnesota

- Manufacturing Technologist, 2014 – 2015

Professional Affiliations/Honors

American Society of Gas Engineers (ASGE)

- Member

American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)

- Member

American Society of Plumbing Engineers (ASPE)

- Member

National Association of Fire Investigators (NAFI)

- Member

Presentations

"Reviewing Heating and Cooling Load Calculations", **A.S. Rynda** presented at the International Code Council Region III Upper Great Plains Annual Educational Institute, February 2023.

"Building Failures: Reviewing Heating and Cooling Load Calculations", **A.S. Rynda** presented at the University of Minnesota's Annual Institute for Building Officials Conference, January 2023.

"Inspecting Complete HVAC Systems: Heating and Cooling Load Estimation", **A.S. Rynda**, presented at the University of Minnesota's Annual Institute for Building Officials Conference, January, 2022.

"When Building Codes Aren't Followed", **A.S. Rynda**, presented at the University of Minnesota's Annual Institute for Building Officials Conference, January, 2021.

"What Happens When You Ignore the Plumbing and Mechanical Codes", **A.S. Rynda**, presented at the International Code Council Region III Upper Great Plains Annual Educational Institute, February 2020.

"Evaluation of Code Upgrades for Repairs, Alterations and Additions to Existing Buildings", **A.S. Rynda**, webinar presenter for the Conference for Catholic Facility Management (CCFM), Webinar, 2020.