



**ANDREW S. RYNDA, P.E.**  
**SENIOR STAFF CONSULTANT**

[asrynda@engsys.com](mailto:asrynda@engsys.com)

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.

**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

**Education**

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

**Licenses/Certifications**

State of Georgia ..... P.E. License PE050515  
State of Minnesota ..... P.E. License 57845  
State of Wisconsin ..... P.E. License 100078-6  
ASGE Certified Gas Engineer

**Professional Affiliations/Honors**

American Society of Gas Engineers (ASGE)  
American Society of Plumbing Engineers (ASPE)  
National Association of Fire Investigators (NAFI)

**Northwest Loss Association**

## Positions Held

Engineering Systems Inc., Plymouth, Minnesota

Senior Staff Consultant, 2021 – Present

Staff Consultant, 2019 – 2021

Crane Engineering, Plymouth, Minnesota

Mechanical Engineering Specialist, 2017 – 2018

Wold Architects and Engineers, St. Paul, Minnesota

Mechanical Designer, 2015 – 2017

Ironwood Electronics, Eagan, Minnesota

Manufacturing Technologist, 2014 – 2015

## Publications/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