

Weijun Allen Mei, P.E., C.E.M., BEMP, LEED AP

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PROFESSIONAL HIGHLIGHTS

- Successfully executed over 250 large new construction and retrofit building analytics projects.
- Specialized expertise in industrial facilities and high-rise building types.
- Familiar with building standards and codes, including ASHRAE 90.1, 62.1, 55, IECC, and CA Title 24.
- Skilled in technical business development, client relations, and mentoring junior engineers.
- Expanded Cyclone's simulation business through effective leadership.
- Dedicated advocate for advancing practitioners' interests in the building energy modeling industry.

PROFESSIONAL EXPERIENCE

Cyclone Energy Group, Chicago

Simulation Team Technical Leader 2022-Present

Senior Building Analyst 2020-2021

Building Analyst 2 2019-2020

Building Analyst 1 2016-2019

- Lead a group of simulation engineers and deliver over 100 projects per year
- Lead Cyclone's Energy Code/Standard Consulting business
- Technical business development
- Develop advanced building energy, daylight, and CFD models
- Mentor junior analysts, providing technical training and conducting QA/QC of technical materials
- Standardize in-house technical practices and build prototype templates to improve efficiency
- Provide energy efficiency and sustainability consulting services, training, and client care
- Represent Cyclone at industry conferences and public events

SELECTED PROJECTS

- **Confidential Data Centers, USA** CFD studies of external site entrainment and internal data modules; energy modeling for annual PUE calculations and compliance
- **410 N Elizabeth, USA** 450,000 ft² geo-exchange all electric high-rise multifamily in Chicago
- **Hines Arctic Decarbonization Roadmap, USA** Decarbonization roadmap for 1,500,000 ft² offices
- **Princeton New and Existing Plants, USA** Campus central plant operational logic and efficiency study
- **OSI Dry Sausage, USA** 125,000 ft² refrigerated food processing and distribution plant
- **1000M, USA** 1,000,000 ft² 73 stories high-rise multifamily
- **JKL, USA** 1,300,000 ft² twin tower high-rise multifamily
- **NEMA Chicago, USA** 1,100,000 ft² 82 stories high-rise multifamily
- **Princeton TIGER Plant, USA** 25,000 ft² geo-exchange all electric campus central plant
- **35 W Wacker, USA** 1,260,000 ft² office
- **320 S Canal, USA** 1,700,000 ft² office
- **PMAC, USA** 50,000 ft² military museum

EDUCATION

Purdue University, Master of Science in Engineering, Architectural Engineering, USA

Nanjing Tech University, Bachelor of Engineering, HVAC, China

LICENSES & CERTIFICATIONS

Licensed Professional Mechanical Engineer (P.E.)	California, License#: M 39558
Certified Energy Manager (C.E.M.)	AEE, Credential ID: 26055
Building Energy Modeling Professional (BEMP)	ASHRAE, Credential ID: 8297863
LEED AP BD+C	GBCI, Credential ID: 11002186-AP-BD+C
ICC Certified Commercial Energy Plans Examiner	ICC, Certificate No. 9866518

PROFESSIONAL AFFILIATIONS

American Society of Heating, Refrigerating, and Air-Conditioning Engineers
The Association of Energy Engineers
U.S. Green Building Council
International Building Performance Simulation Association – USA

- Board of Directors
- Voting Member on the Certification Committee

TECHNICAL VOLUNTEERING

Consultant for ASHRAE SSPC 90.1 ECB Sub-Committee
NVM-User for ASHRAE SSPC 140

AWARDS

2020 CIBSE Young Modeler Award

[Mei wins inaugural Young Modeller prize while Davey scoops Building Simulation Award – CIBSE Journal](#)

2022 CSE 40 Under 40

[2022 40 Under 40: Weijun “Allen” Mei, PE, CEM, BEMP, LEED AP BD+C, 29 | Consulting - Specifying Engineer \(csemag.com\)](#)

2023 IES VE User of the Year – Best American Entry

[VE User of the Year Award 2023: And the winners are... \(iesve.com\)](#)

PUBLICATIONS

Evaluation and analysis of wind flow for a football stadium

PRESENTATIONS

CFD Introduction and Its Applications in Data Centers

2022 Energy Code Updates: IECC 2021 and ASHRAE 90.1 2019 (presented to nearly 1,000 professionals)

Design and Simulation of a Large Scale All Electric High-Rise Multifamily Building in Chicago

Princeton University Central Plant Efficiency Study: The Analytics and Logics

IECC 2021 vs IECC 2018 & Chicago Amendments

The Powerful Retrofit Tool: Energy Modeling

CFD Introduction and Its Building Related Applications

Building Energy Conservation Codes and Energy Modeling

Getting to Zero Energy Buildings

Energy Code Compliance – Warehouse and Distribution Centers