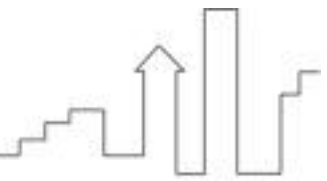


## Net Zero Energy – Award-winning Medic Station



### Medic Station 4 Wins AIA Design Award

#### Pittsburgh, PA

Medic Station 4 represents a major step forward in the City of Pittsburgh's effort to align public infrastructure with long-term climate and performance goals. Located in Pittsburgh's Northside, the project has been recognized as the first net-zero-ready paramedic station in the U.S. and the city's first new first-response facility in nearly 30 years. It also recently received a 2025 AIA Pittsburgh Design Award, Certificate of Merit.

AUROS Group's role was the Zero Energy Ready consultant and Building Envelope Commissioning Agent.



### Owner's Project Goals

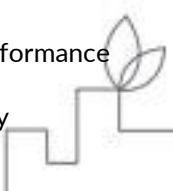
At the highest level, the City of Pittsburgh sought to create a first-response facility that could meet the operational demands of modern emergency medical services while also serving as a model for efficiency, sustainability, and community resilience.

#### Metrics

- Target EUI 20-30 kBtu/sf/yr
- All electric, no fossil fuels
- Particulate Matter 2.5 (PM2.5): < 12 µg/m<sup>3</sup>
- Particulate Matter 10 (PM10): < 50 µg/m<sup>3</sup>
- Total Volatile Organic Compound (TVOC): < 400 µg/m<sup>3</sup>
- Carbon Dioxide (CO<sub>2</sub>): < 600 ppm
- 50% reduction in potable water – Pittsburgh's 2030 District Goals

#### Sustainability Programs

- Zero-Energy-Ready operational performance
- Passive House envelope-first load reduction strategies to reach low energy
- RESET Air strategies for healthy Indoor Air Quality



### Benefits of Zero Energy Ready

A Zero Energy Ready approach offers benefits that extend well beyond code compliance, reducing carbon emissions in existing buildings:

- 1. Lower energy demand and better long-term operational value**  
Early energy modeling helps teams make informed design decisions before construction, improving the likelihood that buildings will perform as intended.
- 2. Better comfort and indoor environmental quality**  
High-performance building enclosures help stabilize indoor temperatures, reduce drafts, and improve overall comfort.
- 3. Improved resilience**  
Zero Energy Ready buildings are inherently better positioned to protect occupants during extreme events because they rely on stronger enclosure performance.

### Existing Building

City Medic Station  
5,800 square feet

### Project Team

AUROS Group  
Ae7 Architects  
Allen & Shariff Engineers  
Caliber Contracting Services

### Project Reference

Claire Mastroberardino,  
City of Pittsburgh,  
Department of Public Works  
Claire.mastroberardino@pittsbu  
rghpa.gov



243 East Main Street  
Carnegie, PA 15106

[beth.eckenrode@aurosgroup.com](mailto:beth.eckenrode@aurosgroup.com)

[www.aurosgroup.com](http://www.aurosgroup.com)