

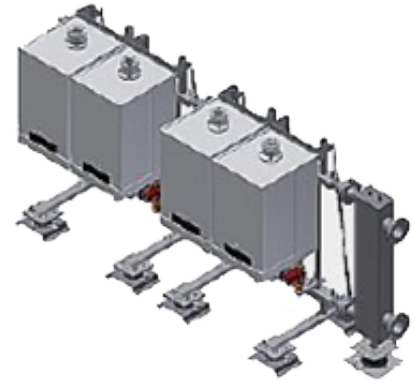
WinSupply National Headquarters

Total Project Cost

\$730,000

Heapy Solutions Sub-Contractors:

- Rieck Mechanical
- Garber Electric
- Johnson Controls
- KAHOE Air Balancing



HVAC Improvement Project

Project Overview / Scope:

Heapy Solutions provided a complete engineering led turnkey HVAC upgrade for the WinSupply National Headquarters building including design, bidding, permit and construction. Project included:

- New High Efficiency Boiler Plant
- Hot Water Distribution Piping
- New Zoned VAV Box
- Replacement of the Building DDC Control System and Air Conditioning

The heating plant included three (3) 400 MBH boilers (1,200 MBH total) and the associated pumps, air / dirt separator, variable frequency drives and boiler temperature reset controls.

The renovation portion of the project included the installation of 62 VAV boxes with hot water reheat coils and zone thermostats, and the replacement of the building VVT temperature control system with a new Johnson Control DDC system that has graphic interface and remote WEB monitoring.

What WinSupply had to say about Heapy Solutions -

Technical Quality - *Exceeded* Expectations
Timeliness - *Met* Expectations
Value - *Met* Expectations
Dependability - *Exceeded* Expectations
Creativity - *Exceeded* Expectations
Cooperativeness - *Exceeded* Expectations
Communication - *Exceeded* Expectations
Attitude - *Met* Expectations
Professionalism - *Exceeded* Expectation

Project Accomplishments:

The project was phased and completed with a fully occupied building. Project was completed on schedule with high owner satisfaction and very few requested scope changes. The new boiler average thermal efficiency is 94% which is 10% better than the building code. Upgrades to the system provided redundancy in the heating plant that will allow normal maintenance without impacting operations. The new temperature control allows a building manager to view the building operation and receive critical alarms from anywhere in the country.