

General Motors Building

767 Fifth Avenue, New York, NY

Project Owner:

Boston Properties, Zhang Xin, and Safra family (Tri-venture)

Installation Type:

Commercial Installation

Manufacturer:

- Yaskawa - Z1000 Matrix VFD's
- Toshiba - TEFC & ODP High Efficiency motors

Completion Date:

- On-going (Maintenance)

Challenges/Problems/Solutions:

The GM building requires adequate power to run its highly technical building systems. With high-profile tenants, the building can not afford systems to fail or not be running for a significant amount of time.

ADE provided Yaskawa Z1000 Matrix VFD's and Toshiba TEFC & ODP High Efficiency motors to the GM Building. The combination of the VFD's and motors assist in maintaining the balance of harmonics and create a more energy efficient building. The Yaskawa Matrix drives, the first in New York City, are low harmonic which means they will not effect any of the existing electrical equipment. The motors and drives are upward of 200HP, and by swapping out the existing motors to new effective Toshiba motors, the building has significantly lowered its electrical usage.

Description:

Completed in 1968, the GM Building is one of New York City's most iconic buildings. Occupying a full city block, the building hosts fifty floors of premier tenants.

