

Building Automation Systems

Project: Philadelphia International Airport

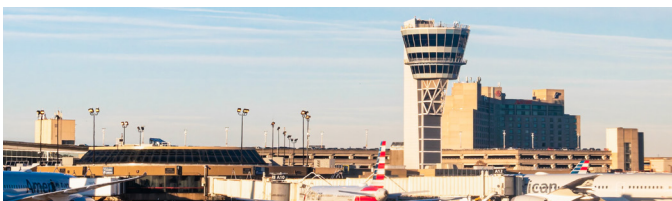


For over two decades, CM3 has served as a trusted partner to the Philadelphia International Airport, delivering critical BAS upgrades. Across more than 60 projects, we have conducted millions of dollars in enhancements to optimize the airport's operational efficiency and passenger experience.

Background

As the only major airport serving the nation's seventh-largest metro area, the Philadelphia International Airport (PHL) connects travelers to 130+ destinations with more than 400 daily departures on 29 airlines.

Self-sustaining with no local tax dollar use, PHL is one of the largest economic engines in the region, generating \$18.7 billion to the economy and accounting for 102,600 full-time jobs annually.



A 20-Year Relationship

For more than two decades, CM3 has been providing Building Automation Systems and Services to the Airport— across several terminal buildings, mechanical plants, cargo buildings, and ancillary outbuildings, including the Northeast Airport.

As a critical partner to PHL, CM3 has completed more than 60 projects and has several more, multi-year, multi-phase projects in the pipeline. For new renovations, we coordinate directly with HVAC equipment manufacturers with factory installation and testing to minimize system downtime.

To address the ongoing projects, CM3 maintains a satellite office with dedicated staff and supply stock within the Airport grounds.

Looking to the Future

In 2019, PHL set an all-time high record for passenger volume, welcoming more than 33 million passengers. Observing this trend, PHL brought on board a nationally-recognized aviation consultant to conduct a Master Plan Update and develop a roadmap to help the airport accommodate growth through 2040 and beyond.

CM3 is an important partner in the PHL Master Plan Update which is designed to support an improved customer experience, optimize land use, expand economic opportunities for the region, and promote environmental stewardship, efficiency, and safety.

Fun Facts

Terminals:

PHL has 3,254,354 square feet of terminal space encompassing seven (7) terminal buildings with 126 total boarding gates.

Cargo:

PHL has 449,761 square feet of cargo space. PHL's cargo buildings include six (6) active cargo facilities and an American Airlines maintenance hangar.

People:

PHL processes over 30 million passengers each year.

Project Highlights

Since 2006, CM3 has been providing Building Automation Systems and Services to the Philadelphia International Airport.

Key Projects Include:

- Satellite Thermal Plant
- Mechanical Room Upgrades
- Rooftop Unit Upgrades
- Restroom Renovations
- Telecom Room Upgrades



Integrated Systems

HVAC (Heating, Ventilation, and Air Conditioning):

Optimizing thermal comfort and energy usage based on building occupancy.

Energy Management Systems (EMS):

Tracking total utility consumption and using analytics to flag inefficiencies and reduce operational costs

Shared IT Infrastructure:

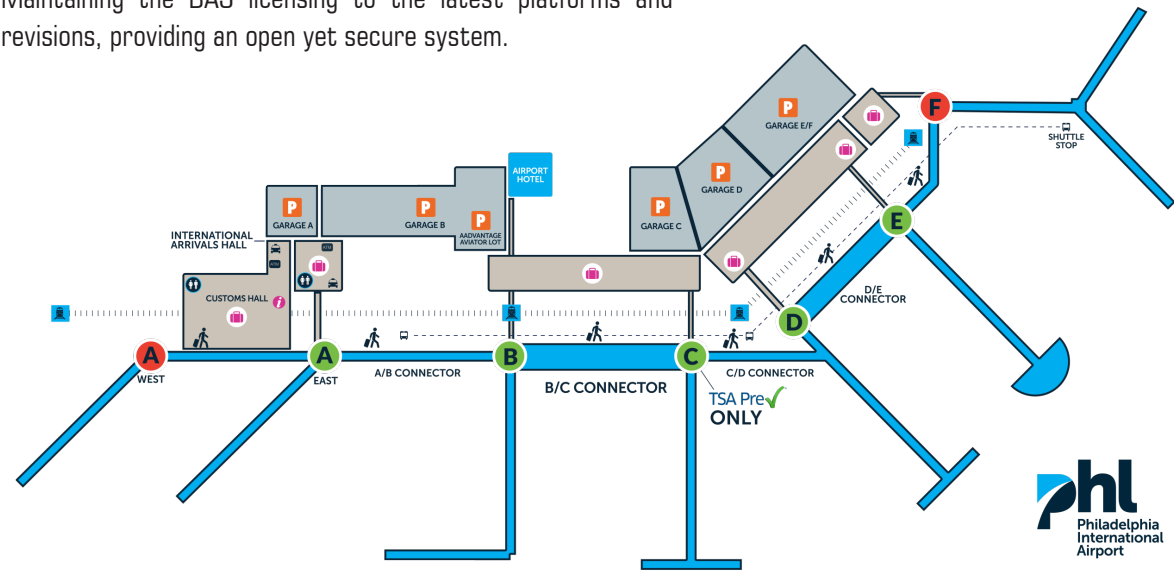
Utilizing the Airport's existing IT backbone to connect our BAS systems, minimizing installation costs without sacrificing performance.

Network Security :

Maintaining the BAS licensing to the latest platforms and revisions, providing an open yet secure system.

Key Milestones

YEAR	PROJECT NAME
2006	US Air Club
2007	Terminal D&E Connector Building
2007	Terminal D&E Satellite Thermal Plant
2010	Terminal A-East Sector 23
2014	Terminal F Ticketing & Bag Claim
2016	Terminal C&D Concourse RTUs
2018	Mechanical Rm 12, 13 & 17 Upgrades
2019	Restroom Upgrades - Phase 1 to 3
2019	Terminal AB & F Ramp Towers
2020	Restroom Upgrades - Phase 4 to 6
2022	Septa Platform Improvements
2023	Restroom Upgrades - Phase 7 to 9
2023	Terminal A-East Concourse RTUs - Phase 1
2023	Tug Tunnel Improvements
2024	Bridge & Terminal RTUs (Ph 1 & 2)
2024	Mechanical Rm 3BC & 4BC Upgrades
2024	Terminal A-East Concourse RTUs - Phase 2
2024	Terminal B,C,D,E Baggage
2024	Terminal E Concourse RTUs
2025	Terminal A-East Concourse RTUs - Phase 3
2025	Phila Northeast Airport (PNE) Admin Building



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