



AN AUTOMATED PARKING SOLUTIONS CASE STUDY:

500 WALNUT

Philadelphia, PA



SITUATED JUST STEPS FROM INDEPENDENCE HISTORICAL PARK, 500 WALNUT WAS THE SECOND ULTRA-LUXURY TOWER IN PHILLY

500 Walnut is a residential facility whose prized amenity is Westfalia's 86-space automated parking system located in the building's basement. Other amenities include a 50-foot lap pool, a spacious fitness center and spa, a billiard room, a 4,000 square foot open-air terrace overlooking Independence Hall, and a boardroom with a fully equipped catering kitchen.

Scannapieco Development Corp. (SDC) is no stranger to automated parking systems and had installed one in its previous development at 1706 Rittenhouse Square. For 500 Walnut, SDC wanted its automated parking system vendor to be able to provide full support services, i.e. 24/7 remote support and be able to be on site within a very short timeframe should the need arise, and a solid track record in delivering automated parking systems.

Westfalia worked closely with SDC and the project architect, Cecil Baker + Partners, to ensure the parking system efficiently integrated with the building structure and maintained the ultra-luxury aesthetics where the residents interacted with the parking system in the two transfer areas located on the first floor.

Opened in early 2018, 500 Walnut was the first U.S. project to utilize Westfalia's palletless parking system, which stores and retrieves vehicles directly from two basement levels and delivers higher throughput than a pallet-based system would have.

By utilizing Westfalia's cutting-edge automated technology, 500 Walnut provides a parking experience that is as cost-efficient as it is time-efficient. This system enhances residential life by increasing safety and requiring less human involvement, which virtually eliminates the risk of human error common in traditional garage settings.

50K⁺
SQUARE FEET
BASE AREA

86
PARKING
SPACES

2 LEVEL - PALLETLESS SYSTEM



ABOUT THE CUSTOMER

Developed by **Scannapieco Development Corporation (SDC)** and designed by Cecil Baker + Partners, 500 Walnut is a 26-story prismatic glass tower that redefined Philadelphia's luxury real estate market. Located in Society Hill, it stands directly across from the birthplace of American democracy, Independence Hall, perfectly blending modern architectural innovation with historic, timeless metropolitan charm.





DOUBLE-DEEP STORAGE TO MAXIMIZE CAPACITY



2 TRANSFER CARS
W/ SATELLITE®



2 VERTICAL LIFTS



2 TRANSFER BAYS



SAVANNA.NET®
PARKING CONTROL SYSTEM

“Automated parking is the amenity that our buyers appreciate the most.”



8 YEARS OF REDEFINED LIVING

Nearly eight years since debuting as Westfalia's first palletless Automated Parking System in the U.S., the installation at 500 Walnut remains the pinnacle of urban luxury. What was once a "game-changing" innovation is now a proven cornerstone of the resident experience, maintaining industry-leading uptime and reliability. Since 2018, this system has transitioned from a groundbreaking "first" to a high-performance asset that consistently delivers a sophisticated, secure lifestyle for every resident.

The system's longevity is a testament to Westfalia's integration. By utilizing a high-density configuration, the facility maximizes square footage that would otherwise be lost to ramps. The same density advantage compressed the parking requirement into just two basement levels, eliminating the need for deeper excavation and the more complex foundation systems that come with it. That kind of forward-thinking design simplifies construction from the ground up, turning spatial efficiency into structural and budgetary advantages.

Residents enjoy the same "no-touch" convenience that launched the building into the spotlight, with Satellite® technology providing high-throughput retrieval that keeps pace with modern demands. By eliminating traditional ramps and valet contact, the system preserves the building's ultra-luxury aesthetics while accommodating electric vehicles within the existing footprint.

As the automotive landscape shifts toward larger SUVs and advanced EVs, the system's flexible design continues to accommodate evolving vehicle dimensions without requiring structural retrofits. Eight years of operation prove that Westfalia's 24/7 remote support and precision engineering provide a seamless and quiet transition from city streets to home, ensuring that the technology remains as relevant today as it was on opening day.