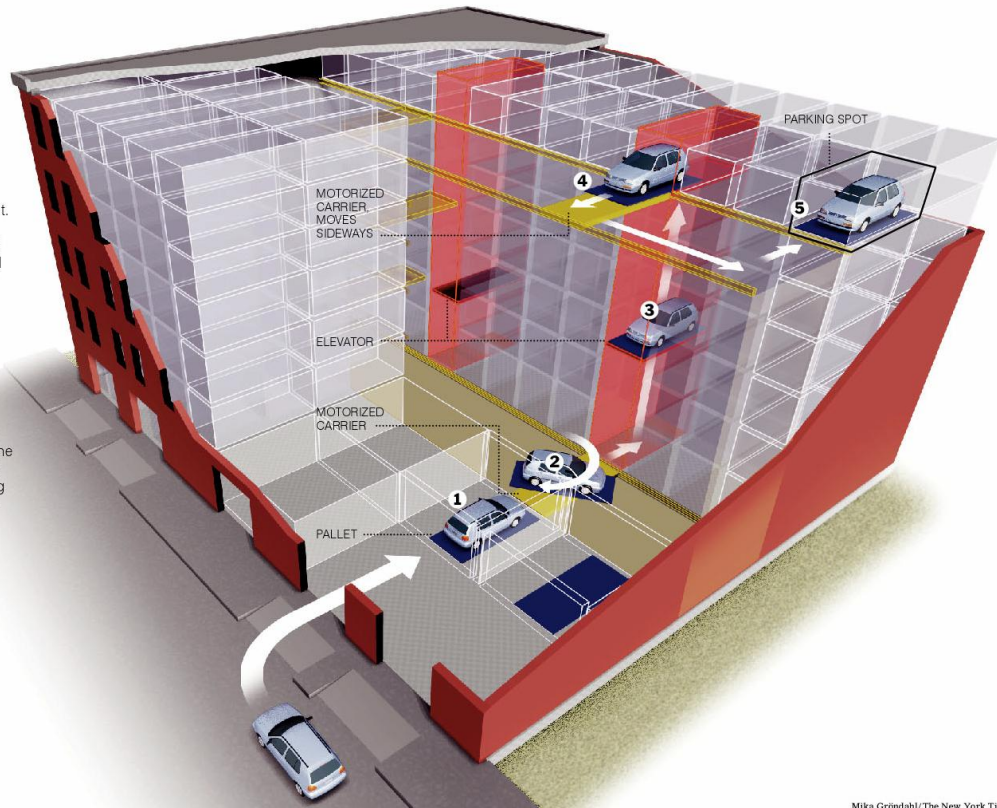


# The New York Times

## Robotic Chauffeurs

Cars parked at a robotic garage in Hoboken ride to their computer assigned parking spaces atop a pallet. The pallet is moved by motorized carrier on and off an elevator and then on and off a platform that moves laterally to align with the designated space.

- 1** The customer drives into the garage and parks on a steel pallet.
- 2** The computer-controlled carrier pulls the pallet and the car and rotates both by 180 degrees, so the car is facing forward when it is retrieved.
- 3** One of two elevators takes the pallet and car to an upper level.
- 4** The pallet is transferred by another carrier that moves it laterally to an open space.
- 5** The car and its pallet are rolled to the designated parking spot.



Source: Robotic Parking

Mika Gröndahl/The New York Times

"... displays a stunning agility. It lifts and carries cars about on computer-controlled steel pallets as if they were delicate ballerinas, moving with precision and speed inside a structure that is remarkably compact."

"This is amazingly proficient use of space," commented Darius Sollohub, a New Jersey Institute of Technology professor who studies parking and urban land use.

"It may provide one of the solutions to the most important conflict in urban design: where do you put all the cars in environments where car volume is high and space is at a premium?"