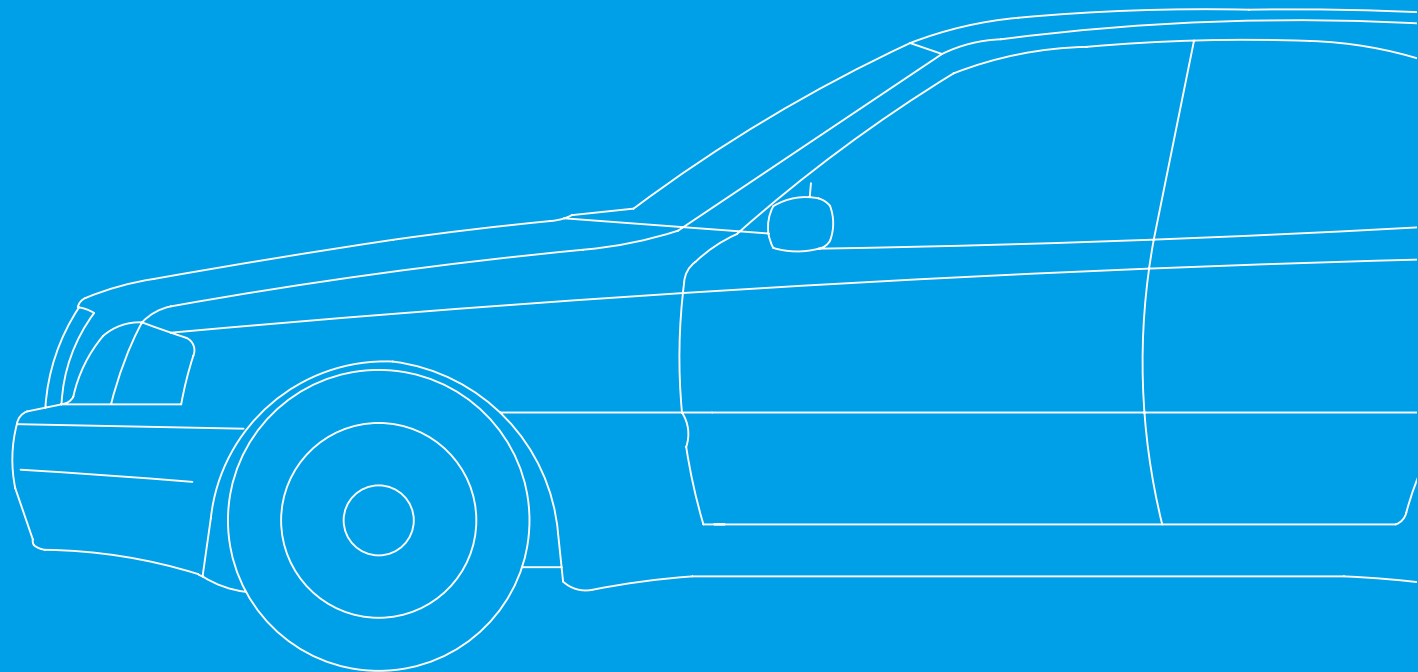


# Jiangsu Provincial People's Hospital Shuttle-Lift (PPY)















## Jiangsu Provincial People's Hospital

Address: Nanjing City, Jiangsu Province

Investor: Nanjing Municipal Government, Jiangsu

Provincial People's Hospital

Parking system: Shuttle-Lift (PPY); 4 levels underground

Transfer cabins: 18

Parking spaces: 1184

## Project Overview

Jiangsu Provincial People's Hospital is the largest comprehensive focus hospital in the province, undertaking the province's medical, scientific research and teaching tasks. Facing the increasing demand on emergency outpatients and inpatients, the Hospital proposed an expansion plan in 2005 to increase the number of beds and operating rooms to 1,585 and 53 respectively. In order to provide the land resources for these expansion new buildings, Yeefung Shuttle-Lift parking system (PPY) was adopted to provide 1,184 parking spaces with less footprint area. The shortage of parking spaces and traffic congestion were solved to meet the needs of hospital teaching and research development on people's health care.





## Parking System design

The initial design plan of this project is an underground one-level Sliding-Lift (PSH) parking system to provide 472 parking spaces. After detail discussion and review between Yeefung and Jiangsu Provincial Architectural Design Institute on the operation model, equipment capability, traffic flow and other factors, it was decided is to implement the Shuttle-lift (PPY) parking system composing 18 transfer cabins, 24 carriers to provide 1,184 parking spaces. With the smart car access design, drivers just stop their cars in the cabins in a safe and convenient way. It eliminates the time to circle the dizzy underground parking lot and handle the Sliding-Lift (PSH) machine. Car retrieval is completed by swiping the smart card at the transfer cabins, which the car will come out automatically and further enhances the user experience. This system design also provides smooth traffic flow and so reduce traffic congestion inside and outside.



