

parQing

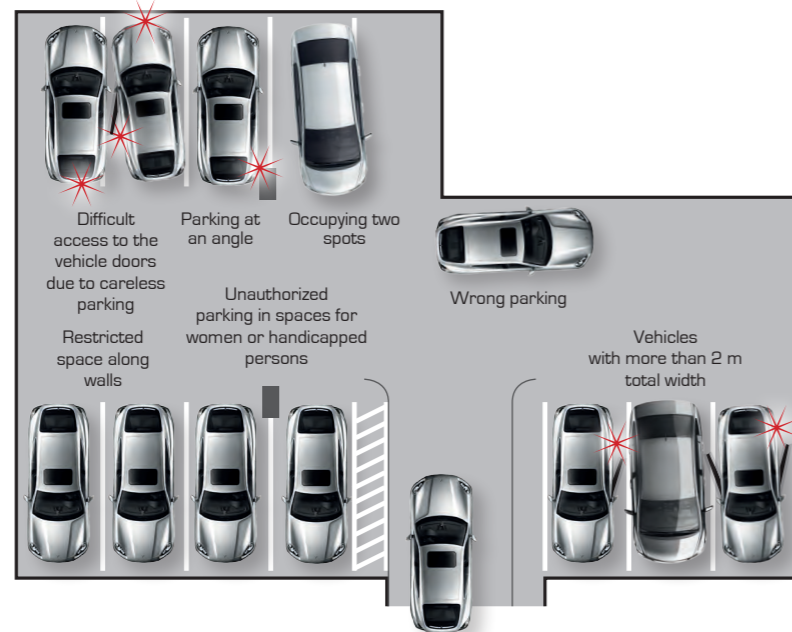


The intelligent parking system

SIMPLY CLEVER PARKING.

Problems of Conventional Parking.

The existing standards for the dimensioning of car parking spaces are not always in line with the size of modern cars. This causes quite a significant discrepancy between theoretically and practically available parking spots. In addition, drivers encounter the known problems of conventional parking.

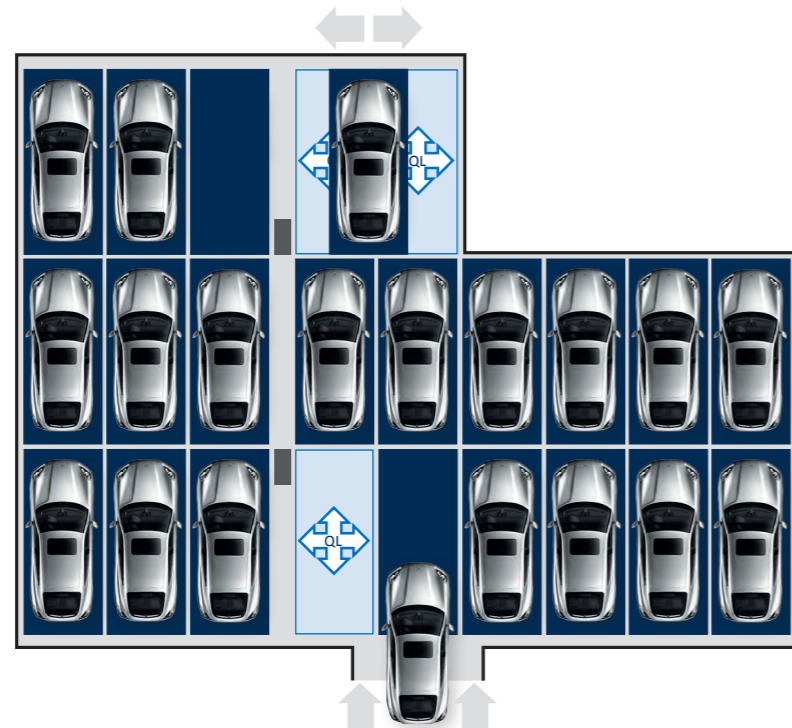


The Principle.

The PARQING system is based on pallets sliding horizontally, similar in concept to a child's sliding tile puzzle in which the tiles can be moved to any position in the field by sliding them to the adjacent free space.

Flexible Use of Existing Building Volumes.

PARQING generates parking space in building areas that in conventional garages could not be used for parking. The system easily moves around building structures and allows accommodation of parking spaces even in car parks of asymmetrical shape due to the modular design of the conveyor elements which can be freely combined.



SMART AND FULLY AUTOMATIC.

Optimum Use of Space.

The system generates additional or increased development opportunities for planned and existing property. Due to its modular structure PARQING is ideally suited for subsequent installation into existing buildings.

Gaining Space with PARQING.

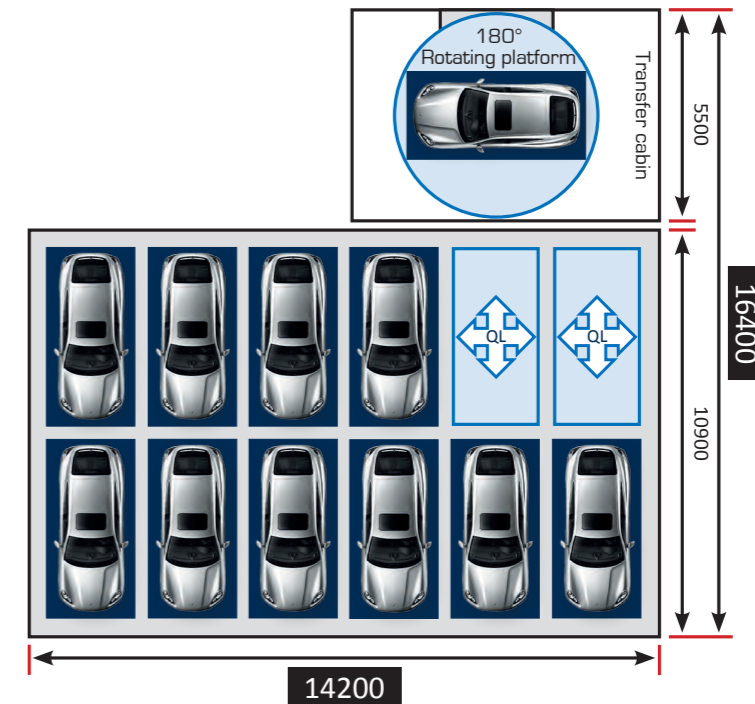
The PARQING system allows to accommodate more than twice as much parking spots on the same footprint.

A rotating platform allows exiting always in forward direction!

Variant PARQING

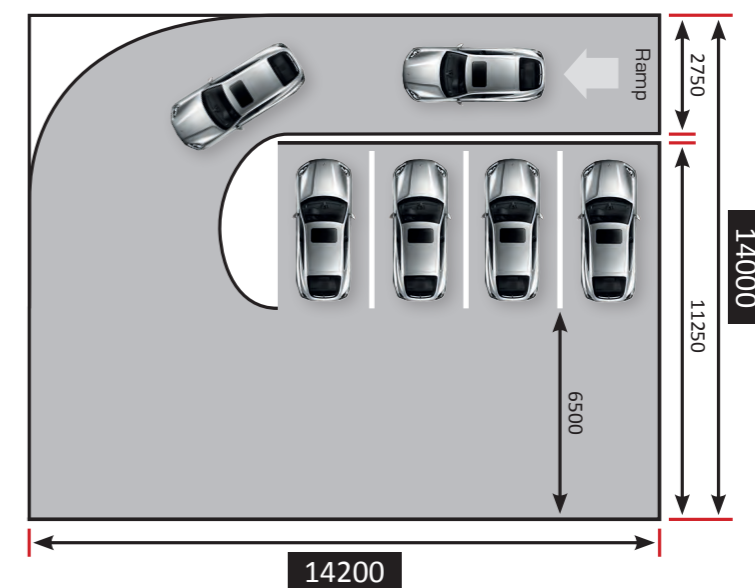
- Access via transfer cabin/ lifting platform
- 11 parking spaces
- 168.26 m² floor space requirement
- 420.64 m³ gross capacity

Pallet dimensions
5300 mm x 2250 mm



Conventional Variant

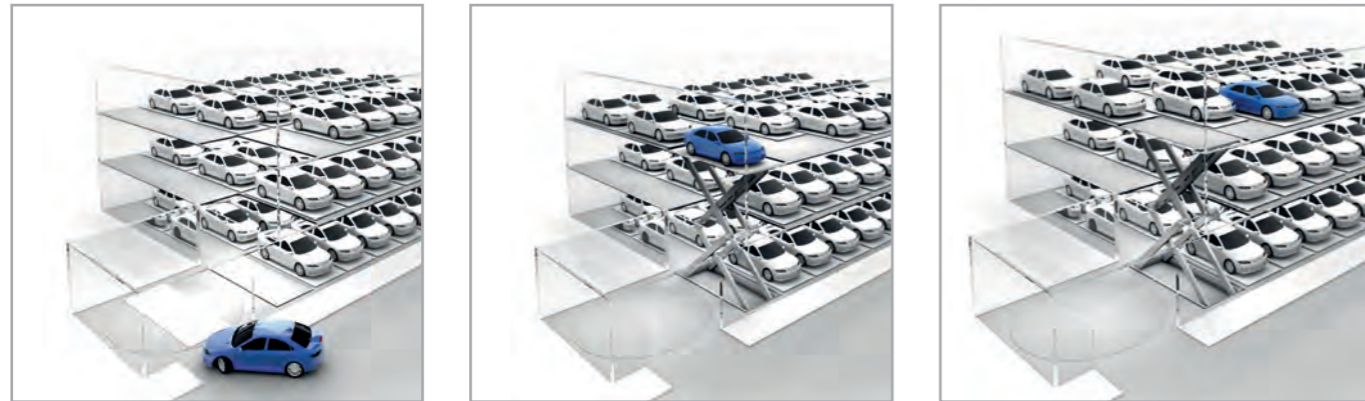
- Access via ramp
- 4 parking spaces
- 198.80 m² floor space requirement
- 448.19 m³ gross capacity (Ramp calculated with 50%)



THE TECHNOLOGY.

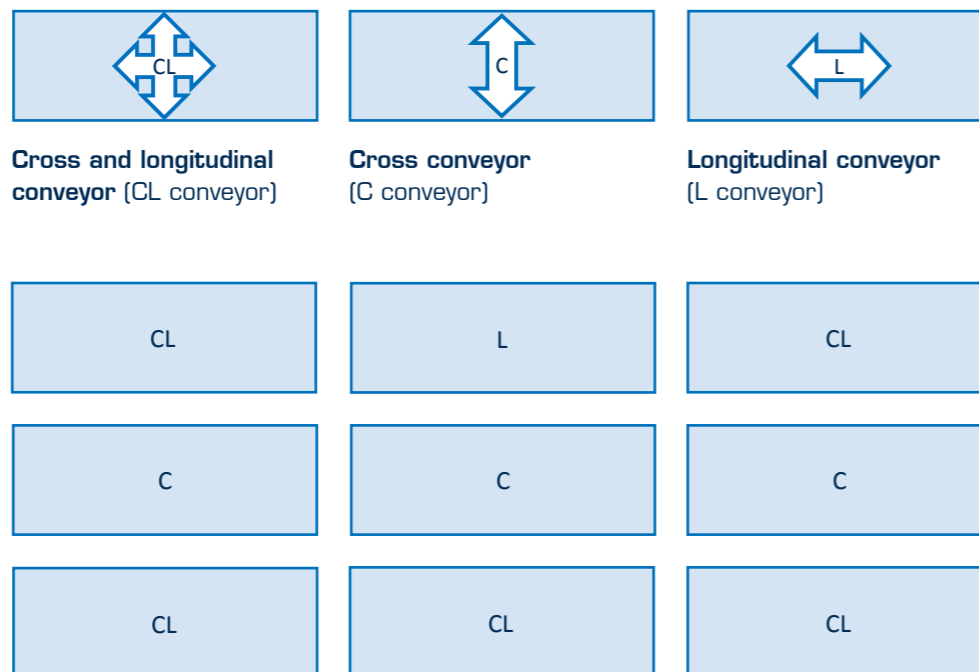
The Shortest Possible Path.

The vehicles are moved on pallets by means of independently driven transport modules lengthwise and crosswise within the parking system. This process is based on the principle of the shortest or critical path.



The Combination Determines Efficiency.

The PARQING system is composed of cross (C) conveyors and longitudinal (L) conveyors and combined cross and longitudinal (CL) conveyors. The efficiency and speed of the system depends on the intelligent combination of the conveyor modules within the system. Depending on the building situation and the requirement the PARQING system can be supplemented by lifting devices and rotating platforms.

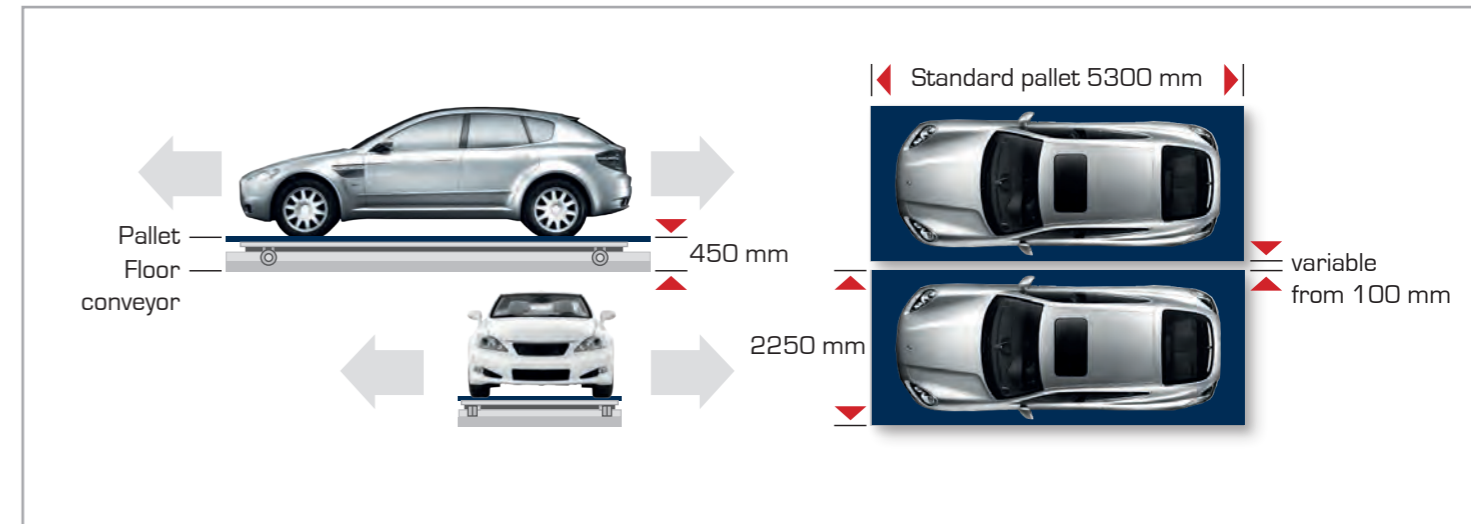


In car parks with multiple levels the cars are lifted to the next level by a lifting platform or elevator and then moved on as described before.

THE TECHNOLOGY.

Generous dimensions, Compact design.

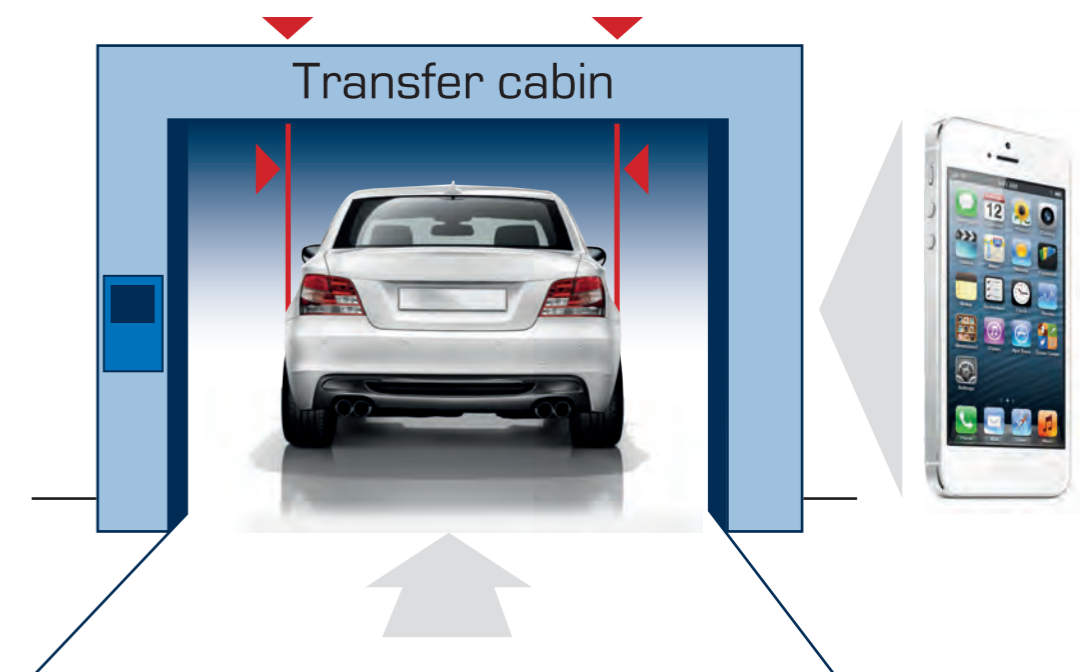
The dimensions of the standard pallet guarantee the accommodation of all common vehicle types.



The pallets can be moved along both the X axis and the Y axis. Special pallet dimensions can be realised upon specific request and specification.

Quick access at any time.

A smartphone app reduces the vehicle return time and minimizes the passive waiting time for the user.





PARQING's sustainable parking solutions are a concrete contribution to an environmentally-friendly design of human habitat.

GREEN PARKING.

Reduced emissions.

Since the parking process is limited to the drop-off in the transfer cabin, pollutant emissions are being considerably reduced.

Environmental risks.

Due to their conceptual design PARQING automatic parking systems do not use any hydraulic fluid. Leakages from the vehicles can be discharged to special separators.

Supporting electromobility.

As an option, the PARQING system allows to equip parking spaces with battery charging stations for electric vehicles.



MAINTENANCE & SERVICE.

The maintenance requirements of the PARQING system are extremely low. All units and components used have been working reliably in different industries over many years. The systems are checked twice a year on site by trained service personnel in accordance with a specified maintenance plan and wear parts are exchanged, if necessary.

In addition, the electronic equipment allows external access to the control panel and thus a remote maintenance of the systems.

ADVANTAGES AT A GLANCE.

The PARQING automatic parking system is one of the most efficient systems in the market.



The system is characterized by the following key features:

- ✓ Significant increase of parking bays compared to conventional car parks and alternative parking systems by using the existing traffic areas as parking space
- ✓ Minimization of the enclosed space, lighting and ventilation equipment and thus a reduction of the building and operating costs
- ✓ Creation of additional or extended development opportunities for planned and existing property
- ✓ Excellently suited for later integration into existing buildings due to its modular design
- ✓ High user-friendliness of the system
- ✓ All parking spaces also accessible to people with limited mobility
- ✓ Use of proven components from transport and controls technology





The Global Retool Group GmbH headquartered in Lebach/Germany.

For almost two decades the company SATEG Steuerungs- und Automatisierungstechnik GmbH has been designing and implementing process control and automation technology for various areas of industry. Services range from planning and design of hard- and software to control cabinet build, and up to assembly, installation, maintenance and service of electrotechnical systems. The company's PARQING brand of innovative parking systems combines the own controls and automation know how with the expertise in conveyor technology and systems engineering of the strong and internationally renowned GLOBAL RETOOL GROUP.



SATEG GmbH.

The worldwide presence of the GLOBAL RETOOL GROUP allows us to act as a turn-key partner in international projects. In our own plants in Germany, Slovakia, China and North America you will always find the right contact person. Please refer to our website www.global-retool-group.com for more information about the competencies of our group of companies.



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