LevantaPARK

TECHNICAL SPECIFICATION

AUTOMATIC TECHNOLOGY PARK

SMART SOLUTIONS FOR VEHICLE PARKING AND CAR STORAGE

TECHNICAL SPECIFICATION AUTO TECHNOLOGY PARKING

Automatic Technology Park is a parking system that offers high intensity vehicle storage over a range of different applications. This type of system allows for the automatic parking of cars and other vehicles. The parking area can be above ground or below ground; the parking structure is an integral part of the building structure and can be made in reinforced concrete or in steel.

LevantaPARK will work with building designers, architects and traffic consultants to ensure the best possible solution has been designed in a project to deliver maximum return on project investment.

This may be influenced by cycle times, available space, depth of carpark pit required in carpark or just the total number of spaces.

Automatic Technology Park can work for as few as 8 - 9 vehicles or as great number as 1000 vehicles over several levels. We take into consideration aspects such differing vehicle height allocation, vehicles suitable for accessible spaces or long term vehicle storage for the ultimate sports cars.

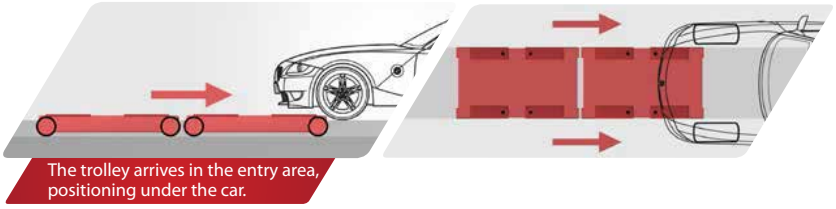
The design is special to each project and custom built to the exact site requirements.

SPECIFICATION TABLE

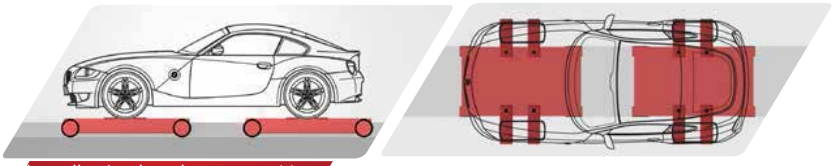
	Capacity	Standard Lifting Height	Car Size Width	Car Size Length	Net Height per Level	Power	Speed	Cycle Time	Power Supply
Automatic Technology - Pallet Free	8-1000	1-6 levels	2200mm - 2700mm	4500mm - 6000mm	1300mm - 2400mm	Site Specific	Project Specific	Project Specific	415v / 50Hz
Automatic Technology - Pallet Systems	8-1000	1-6 levels	2500mm	5500mm	1650mm - 2400mm	Site Specific	Project Specific	Project Specific	415v / 50Hz

AUTO TECHNOLOGY PARKING

Palletless Integral Lift Trolley

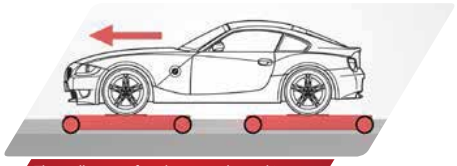


The trolley arrives in the entry area, positioning under the car.



The trolleys' on board sensors positions its arms under the car wheels.

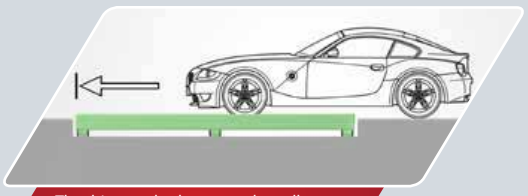
The car is lifted by its tyres.



The trolley transfers the car to the parking place and is ready for the next operation

The trolley is made up of two independent semi trolleys which, thanks to their extremely low height, are positioned under the car, lift it by the tyres and move it within the parking area to the assigned place. The two semi trolleys constantly communicate with each other and with the central system by an industrial Wi-Fi technology, unique in the parking field.
In a parking system there are one or more trolleys; each trolley moves an assigned group of cars.

Pallet Systems



The driver parks the car on the pallet following the directions in the screen.

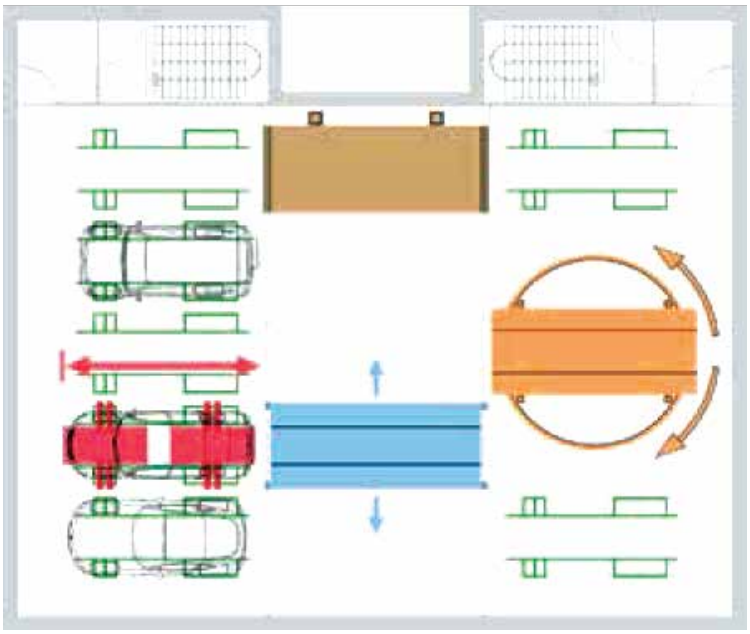
The pallet is transferred to the parking place with the car onboard.

The pallets are made of galvanized sheet steel and are used to transport the car in the parking system. A parking place is determined once the vehicle enters the entry room. The pallets are moved by independent drive groups that transfer them from one to another parking area.

Palletless Integral Lift Trolley

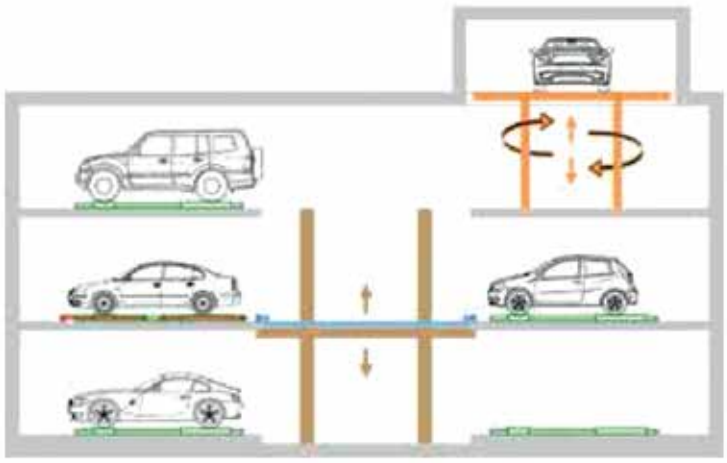
T-Type Auto Park

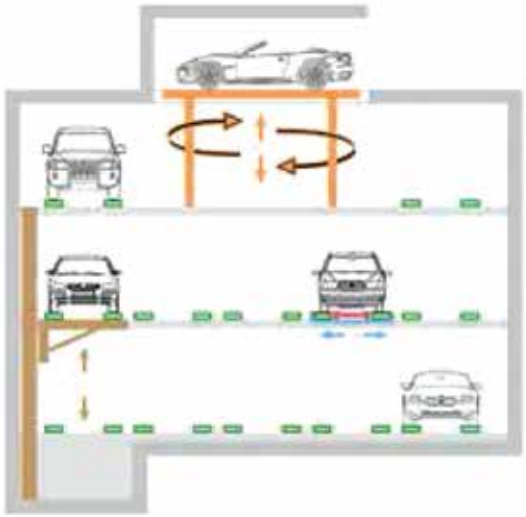
The T-type fully automated system implements a travelling tower that transports cars vertically and horizontally at the same time to deliver cars straight to their parking spaces. It is best suited for projects with difficult site constraints where priority is to park as many cars as possible in a limited volume.



C-Type Auto Park

The C-Type fully automated system is ideal for multilevel parking facilities where maximising the number of cars and minimizing the retrieval times are the main priorities. A vertical transporter delivers cars to every parking level where it releases a shuttle to transport the cars to their assigned position. The C-type optimizes the work cycle of the machine by separating the vertical and horizontal motion on separate systems.





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Entry / Exit Room

A LevantaPARK Automatic Technology Park system incorporates an entry and exit room that provides the latest in technology for automatic parking. The room includes photocell bars and laser which will size the car to ensure it is parked in the correct location.

LCD screen monitors by the latest PLC control system provides feedback information to the central controller to ensure the car can be monitored and retrieved in the shortest possible time. The LCD screens can show up to 50 different pictures, texts or pictograms in English backed by audio messages.

Lift and Travelling Towers

All motors, and equipment used in the LevantaPARK Automatic Technology Park system are components of European origin and readily available in Australia. Parts and consumable components are held in stock in Australia to ensure fast repairs and system restorations.

Preventative Maintenance

It is highly recommended that an Automated Technology Park system is commissioned with a preventative maintenance program in place. This will ensure the system will work effectively, efficient and the system users experience is a pleasant one.

Pallet Systems

The pallets are made of galvanized sheet steel and are used to transport the car in the parking. Each pallet is assigned to a determinated parking place. The pallets are moved by independent drive groups that transfer them from one to another parking area.

COMPLIANCE

AUTO TECHNOLOGY PARK SYSTEMS CONFORM TO

- AS 3000 - All electrical wiring is installed to conform to Australian standards.
- AS Part 1601 - The design of all controls, interlocks and guards conform to AS Part 1601.
- ISO 9001 - Manufacturing procedures of all platforms, lifts and parking systems are certified to ISO 9001
- AS 60204 - All electrical equipment on product supplied by LevantaPARK conform to AS60204.
- AS1217.1 - Acoustic requirement on products supplied by LevantaPARK conform to AS1217-1.
- EN14010 - All LevantaPARK products conform to the European standards of equipment for power driven parking of motor vehicles. This also covers the design, manufacturing and installation procedures.

Designed for Australian site conditions

Engineered & Manufactured in Europe

Smart Solutions for Vehicle Parking and Car Storage

QLD	- 17 Canberra Street	Hemmant	QLD 4174
NSW	- 89 Gascoigne Street	Kingswood	NSW 2747
WA	- 67 Tacoma Circuit	Canning Vale	WA 6155
VIC	- 51 Assembly Drive	Tullamarine	VIC 3043
SA	- 6 Sheffield Street	Woodville North	SA 5012