



**SOTEFIN  
PARKING**  
PRIVATE LIMITED

VENTURE OF SOTEFIN PATENTS SA, SWITZERLAND

**ELEVATING LIFE**





## Ushering in a new era of Intelligent Car Parking Systems

A profound legacy of innovation and leadership over 6 decades is what best defines Sotefin. The company was founded in 1956 by a group of technocratic evangelists and has since become a global leader in the field of automated and robotic car parking systems.

The spark that set a technical revolution, was an intelligent trolley design the Silomat® Dolly which was awarded a patent in 1959. This simple component of a larger system that allowed vehicles to be transferred automatically, would go on to re-define the automated parking landscape. This announced the foray of Sotefin SA in the precision and intelligent technology for car parking, which to date is proven best amongst the incredibly accurate and reliable parking systems of the world.

“ Focus and simplicity ”

Simple can be harder than complex;  
you have to work hard  
to make it simple.





A 6 decade legacy decoded for a young India marks the presence of Sotefin Parking Pvt. Ltd. India is a nation of change. It is one of the fastest growing technical geographies with a natural affinity towards technology. The technology adoption for youth in India is amongst the highest in the world. So what do you do to a country that is getting smarter, innovating, and becoming one of the technical power houses of the world?

We simplify their lives through a series of complex Made to Measure robotic systems that will help India focus on what it does the best..."Make a lasting impact on the world"

Sotefin Parking Pvt. Ltd. offers customized end to end mechanized parking solutions that down-scales India's space constraint issue to unimaginable limits. Our offering is unique amongst competition, we offer solutions from planning, design, construction, implementation to operations and maintenance as part of a turn-key project. What further sets us apart is that we are enabled with technology that thinks. Yes, it thinks to achieve precise and calculated results.

Our parking systems are accurate to the inch...So whether your car mirrors are open or folded... it really doesn't matter. We have a new calculation every time your car enters our parking system.

### **Design & Drawing of the Parking system**

Our engineers are skilled at capitalizing on the opportunities that the latest ways of working present. Because we have the right people and tools in place, we will design the best possible parking solution for you.

### **Design & Drawing**

At Sotefin, we are not just about the right people, but also the right technical tools. We do more than just design the car parking system for you. We also provide structural design services so that you have the right structure for housing your new automated parking garage.

### **Annual Maintenance**

We recommend getting your parking system undergo a comprehensive service at least twice a year to maintain the reliability of the system. We offer different choices for maintenance to ensure that down-time is minimized along with the costs.

### **Operation**

We have ensured that our systems are incredibly simple to use. But for clients that prefer the touch of a human element, we provide additional support staff that has been trained for taking care of the maintenance services as well.






## What drives our success story

- Turnkey project solution
- Maximum realisation of public parking garage where down time must be zero.
- Over 50 years' design know-how and experience.
- High product versatility allowing it to be tailor-made to new buildings or renovations.
- Realisations in over 20 countries.
- Ability to design, build and co-ordinate large installations.
- Flexible Module customized according to customer's building dimensions
- Flexibility allowing "made to measure" car parks
- 360° assistance.





At Sotefin Parking, we believe in ensuring that you can make the most out of the products we offer. As such, we offer managed solutions which can ensure that you do not run into any roadblocks whatsoever down the line.

Sotefin, in the course of its existence, has designed & installed more than 450 automatic parking units in over 30 countries.

Currently the parking spaces realized by Sotefin exceeds by 35,000 units of which more than 3,000 in the last two years.



## Product Range

Sotefin SA, thanks to its series of products, is able to satisfy almost every need: from small to large installations for fixed and casual users. Our systems guarantee high performance in extremely limited spaces, user-friendliness, easy maintenance, security and reliability.

Sotefin products are developed to meet the highest operative and qualitative standards in this sector. Sotefin products can satisfy almost all requirements relating to size and performance.

In particular, the great versatility of Sotefin products allows parking systems to be developed practically "made to measure" both for new buildings and buildings needing renovation.

Each individual product is appropriately combined in a system suited to satisfying client requirements.





# SOTEFIN PARKING SYSTEMS

## Product Range

### Robotic Shuttle Dolly

#### Patented SILOMAT®

The Silomat® carriage is the synthesis of 50 years of evolution and innovation. It is at the heart of the parking system as it is a device dedicated to the direct movement of automobiles. The Silomat® carriage summarises the most technologically advanced product offered today on the automatic car park market. It is the most compact complete movement carriage in the history of automatic car parks. The main functions of a vehicle movement carriage, that is, centring, lifting and traversing, are realised for the first time in one sole device which also boasts the best performance in terms of speed and space-saving compared to all its competitors.





### **Vertical Transporter**

The Vertical Transporters allow vehicles to be moved vertically to transport them to the various car park levels configured for the car park. Sotefin has developed about ten Vertical Transporters models in order to ensure that our systems are adaptable to any type of building.

### **Undercarriages/Shuttle**

Undercarriages are devices designed for the vehicle to be transported horizontally so that it is positioned in front of its designated parking space or to the entrance and exit areas. They can be combined with a Vertical Transporter.



### **Traversing Towers**

Traversing towers combine the Vertical Transporter's and undercarriage's functionality in one device. It moves the vehicle vertically and horizontally at the same time.

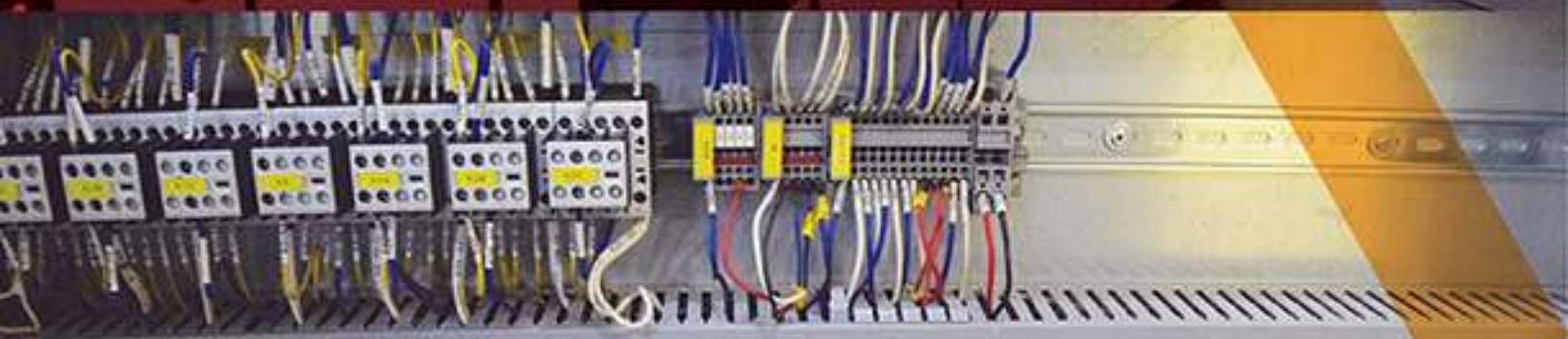
### **Turning Platforms**

Turning platforms allow the vehicle to be turned in the directions of the entrance and exit to facilitate incoming and outgoing operations for the users.

## **Salient Features:**

- Time tested and most reliable parking system technology worldwide
- Boasts the best performance in terms of speed & space saving compared to all its competitors
- Independent access for car retrieval
- Flexible Tailor-made design to fit into new buildings or renovations
- Can be above ground or Under Ground or combination of both
- Ability to design, build large installation with great sizing capacity ( From 8 to thousands of car spaces)
- Adaptable to Individual project requirements corresponding to car height, width, length and weight
- Options to Integrate Turn table
- Suitable for large public pay parking
- Very High Speed elevator system with state of the art technology









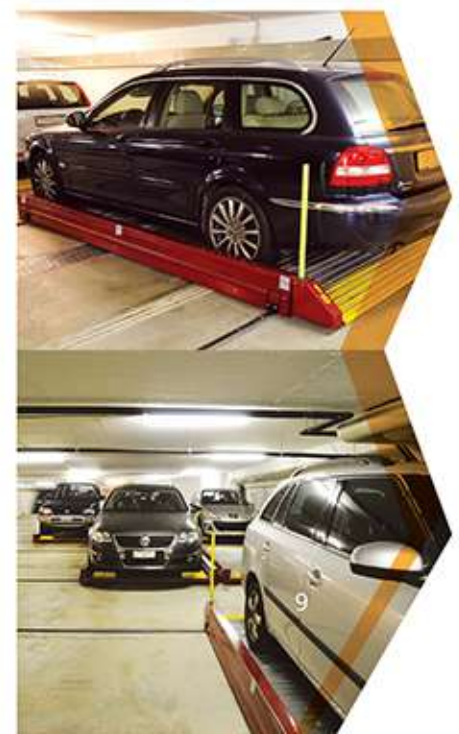
## Automatic Pallet Type Parking

A car parking pallet is a flat, movable structure for a car to sit upon as it is transported and parked within some type of parking system. The car remains on the pallet until it leaves the parking system. Our enterprise has been working hard to gain immense recognition in manufacturing, exporting and supplying array of quality assured pallet slide parking systems.

We design and manufacture pallet slides by using quality approved components and advance technology under the supervision of our diligent professionals. Furthermore, this pallet slide is made available with us in many specifications and customization options at market leading prices.

### Salient Features:

- Independent access for car retrieval
- Can be Above ground or Under Ground or combination of both
- Ability to design, build large installation with great sizing capacity ( From 8 to thousands of car spaces)
- Adaptable to Individual project requirements corresponding to car height, width, length and weight
- Very Fast retrieval process
- Options to Integrate Turn table
- Suitable for large public pay parking
- High Speed elevator system with state of the art technology











## Automatic Tower Parking

Fully automated comb type or pallet type tower parking systems, could be multiple levels (from 10 to 25 levels) allowing numerous vehicles to be stored in a small floor area (7x7 metre or 8x8 metre). In fact, it can be a standalone tower or inside the building shaft. Understandably, this is one of the most efficient uses of parking space, providing maximum ECS benefit.

The Tower parking systems are best used in residential tower buildings/commercial buildings that have higher parking requirements to fulfil. For Commercial buildings, standalone tower provides unique opportunity of advertisement space.

### Salient Features:

- Very High ECS as the system requires very less ground area
- Fully Automated and Independent access for car retrieval
- Can be above ground or pit type or combination of both
- Single entry/exit system: not much requirement of drive way
- Options to Integrate turn table
- High Speed elevator system with state of the art technology
- Comb type tower is very energy efficient.











## Puzzle Parking System

The electro-mechanical puzzle parking system can be said to be a combination of pallet and stack systems. In it, the car is first placed onto a platform before being lifted up to the appropriate level. You can maximize the parking space available by keeping multiple cars on top of each other.

It is possible to load and unload a vehicle individually without the need for taking out the other cars underneath. As a result, the system is completely independent. This is due to the multiple entries available for the parking lift system. As such, drivers will have to wait for a very little period to retrieve or park the car in the desired location.

The puzzle parking system is certainly capable of accommodating SUV easily along with all sorts of sedans and hatchbacks with the option of multiple levels and rows.

### Salient Features:

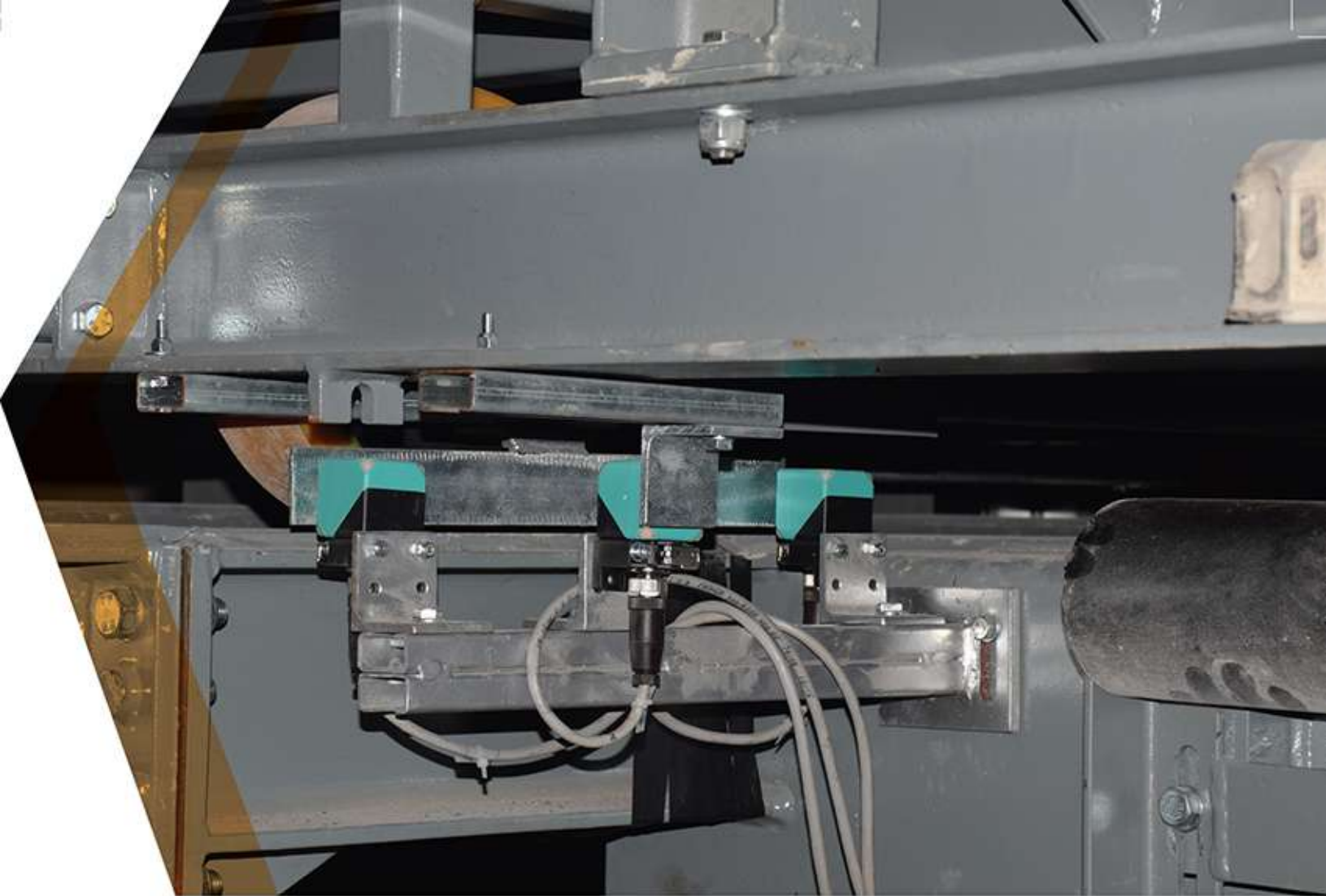
- Most user friendly system
- Multi point entry/exit
- Independent access for car retrieval
- Can be above ground or pit type or combination of both
- Delivers faster retrieval than conventional ramp based parking
- Low construction, operation & maintenance Cost
- Suitable for both indoor & outdoor installation
- Easy and Low noise operation
- High Level of safety according to EN Norms











## Stack Parking

With the stack Parking system, the parking space can be optimized with minimum cost. After all, it allows to store multiple cars in a single space. As a result, the parking space available can be multiplied by 2 to 4 times which is certainly going to be beneficial for the establishment.

This parking lift system features multiple platforms which operate in a dependent manner. In other words, the lower platforms must be empty before the cars in the upper platforms can be taken out. However, the operation and maintenance of the lift is quite simple which keeps the costs down.

In fact, the system is quite a cost-effective method for multiplying the available parking space. Another advantage of our system is that there is no need for a pit. This keeps the installation costs down as well. The cars can be accessed within 60 seconds only to get one back from the system.

## Salient Features

- Simplest form of mechanized parking
- Very rugged and robust electro-mechanical design
- Dependent access for car retrieval
- Very Low construction, operation & maintenance Cost
- Suitable for both indoor & outdoor installation
- Easy and Low noise operation
- Can be above ground or pit type or combination thereof
- Double hot dip galvanized pallet wave boards for a very long life.





# CHANGES CALL FOR INNOVATION & INNOVATION LEADS TO PROGRESS



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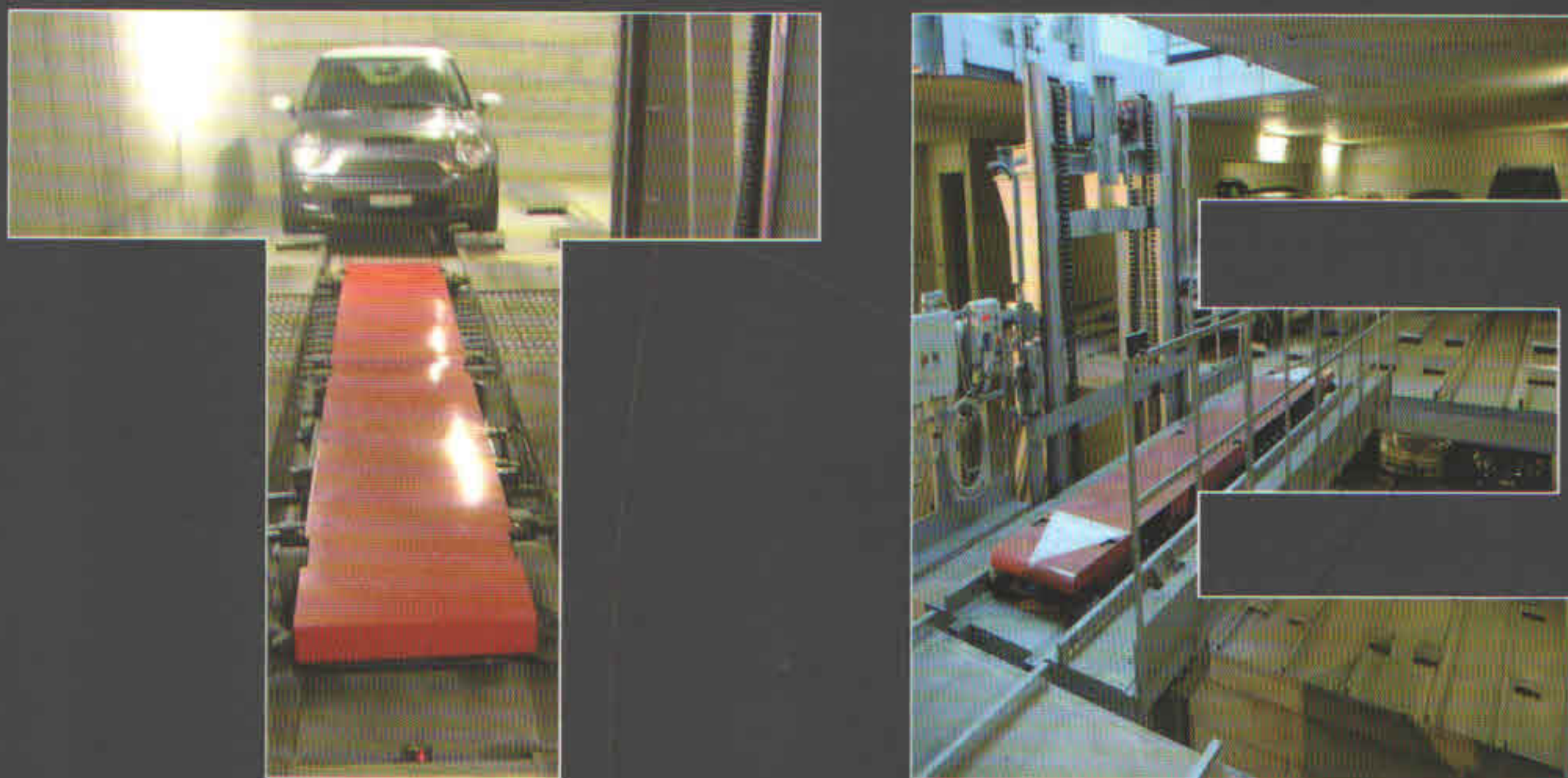
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**SOTEFIN LEADER MONDIALE**



**PARCHEGGI MECCANICI AUTOMATIZZATI**



**AUTOMATED VEHICLE STORAGE SYSTEMS**



**WORLDWIDE LEADER**



**Sa**



**SOTEFIN SA**  
Computerized Parking  
Systems





# 50 anni di innovazione: **SOTEFIN** segna la nuova direzione nei parcheggi meccanici automatizzati

# L'AZIENDA

**Parcheggio pubblico**  
336 posti auto

*Public parking 336  
car spaces*

**Parcheggio privato**  
12 posti auto

*Private parking  
12 car spaces*

**SOTEFIN SA** è una società svizzera che da oltre 50 anni progetta, costruisce e vende parcheggi automatici meccanizzati, avvalendosi di uno staff tecnico che pone quotidianamente in campo uno straordinario bagaglio di esperienza insieme a passione, impegno e professionalità.

La leadership mondiale della **SOTEFIN** ha radici solide e lontane e si fonda sulla capacità di sviluppo di nuove e vincenti tecnologie, sull'abilità nell'innovazione continua del prodotto, sulla assoluta affidabilità e su una flessibilità operativa che le permette di soddisfare ogni specifica esigenza del committente.

Il know-how di progettazione è il vero valore aggiunto della **SOTEFIN**, la società negli anni ha costruito un consistente patrimonio di ingegno ed è titolare di moltissimi brevetti; il SILOPARK®, ad esempio, è stato il primo carrello brevettato al mondo ed è un brevetto dell'azienda che risale al 1964.

È da allora che **SOTEFIN** è divenuta il punto di riferimento del proprio settore e continui sono i tentativi da parte di altri produttori, anche dei paesi del far east, di copiare prodotti e sistemi dell'azienda; all'oggi molte società operanti nel mercato dei parcheggi si avvalgono delle tecnologie della **SOTEFIN**.

Questo, oltre ad essere motivo di orgoglio aziendale, costituisce per tutto lo staff un ulteriore stimolo ad incrementare sempre più quel gap progettuale e tecnologico che distingue la società e che si è creato in oltre 50 anni di successi nella progettazione e realizzazione dei parcheggi automatici meccanizzati.

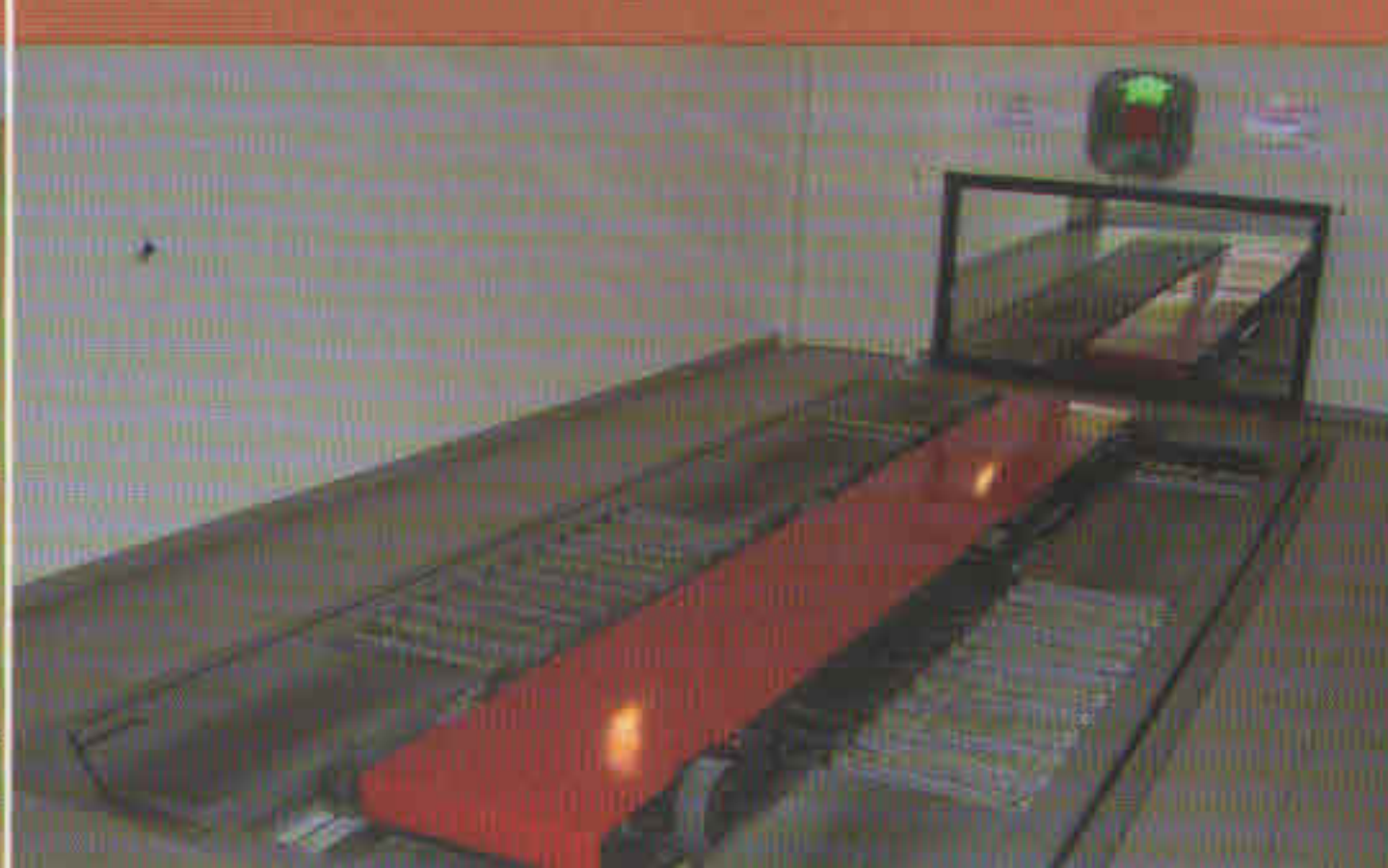
**SOTEFIN** si caratterizza in particolare per gli altissimi standard qualitativi dei propri impianti che grazie a sistemi di logica di controllo (plc) e software sofisticati, ma al tempo stesso stabili e sicuri, permettono di garantire indici di performance elevatissimi.

Negli ultimi 25 anni **SOTEFIN** ha progettato ed installato all'estero un numero crescente di sistemi automatici di parcheggio e attualmente le installazioni aziendali sono presenti in oltre 17 paesi.

**SOTEFIN**, certificata sulla base della norma ISO 9001:2000, è in grado di operare al meglio in tutto il mondo in virtù di una efficiente organizzazione interna, di una precisa attività di coordinamento e controllo ed avvalendosi esclusivamente della collaborazione di aziende di rilievo.

**Parcheggio residenziale**  
20 posti auto

*Residential parking 20 car spaces*







**Parcheggio automatico  
per hotel 51 posti auto**

*Automated vehicle storage system  
for hotel 51 car spaces*

**Parcheggio a basso impatto  
ambientale 35 posti auto**

*Low environmental impact parking  
35 car spaces*

# THE COMPANY

## 50 years of innovation Sotefin marks the new directions in automated vehicle storage systems

**SOTEFIN SA** is a Switzerland based company that for more than 50 years has been developing, manufacturing, selling and installing automated vehicle storage systems (AVS) thanks to its highly experienced technical staff that daily devotes its expertise, passion and professionalism.

**SOTEFIN** worldwide leadership boasts solid and remote roots based not only on the capabilities of developing always new and winning technologies, but also on the abilities of an ongoing innovation of the products, on the absolutely reliability and on the operative flexibility which allows to meet any client specific request.

**SOTEFIN** real PLUS is the know-how in developing each project. The company has built its own strong heritage of engineering skills and capabilities ended in many registered patents. As an example, SILOPARK® has been the first worldwide patented trolley which has been obtained by the company in 1964.

Since then, **SOTEFIN** has become the point of reference in its field to the extent that a number of manufacturers - even from the far east - have made vane attempts, trying to imitate the company's products and systems. Nowadays many companies all over the world take advantage of **SOTEFIN** technologies.

This represents a company pride which encourages all **SOTEFIN** staff to increase constantly the company's technological know-how and its applications.

**SOTEFIN** is best known for the highest quality standard of its own systems thanks to the PLC (programmable logic control system) and to the sophisticated software which are at the same time stable and reliable in order to guarantee high performance.

In the last 25 years, **SOTEFIN** has developed and installed mainly abroad a remarkable number of automated parking systems spreading on more than 17 countries.

**SOTEFIN** is certified to ISO 9001: 2000 standard and it is in the position to operate and guarantee its excellency and reliability worldwide thanks to the efficiency of its internal organization along with the punctual activities of coordination and control made also in association with a net of allied companies.

**Modelli 3D**

**3D models**



**Parcheggio automatico  
per hotel 226 posti auto**

*Automated vehicle storage system  
for hotel 226 car spaces*

**Dolly Silomat®  
dettaglio**

*Dolly Silomat®  
detail*

**Zona d'accesso  
in giardino**

*Entry/exit area  
in garden*



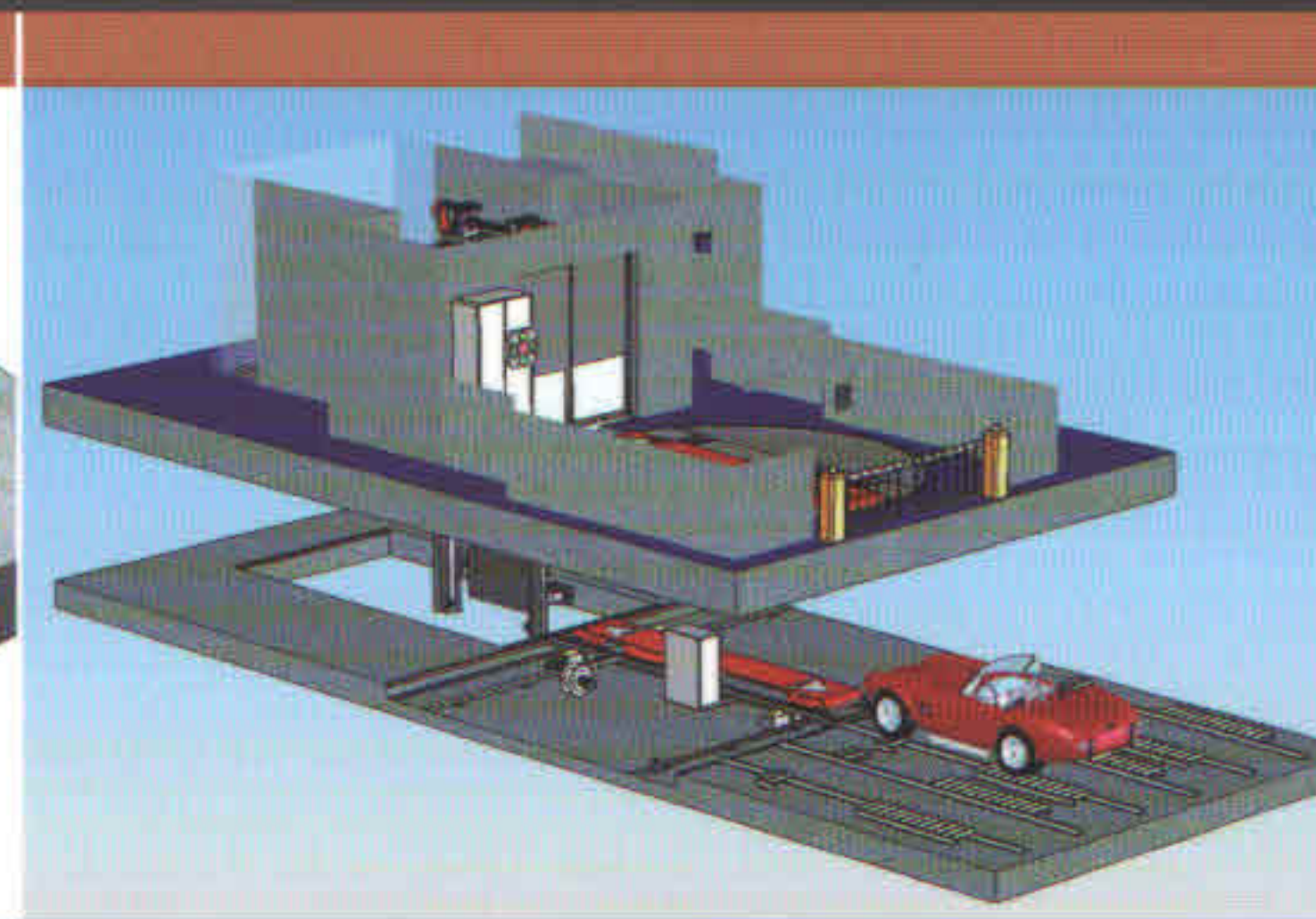
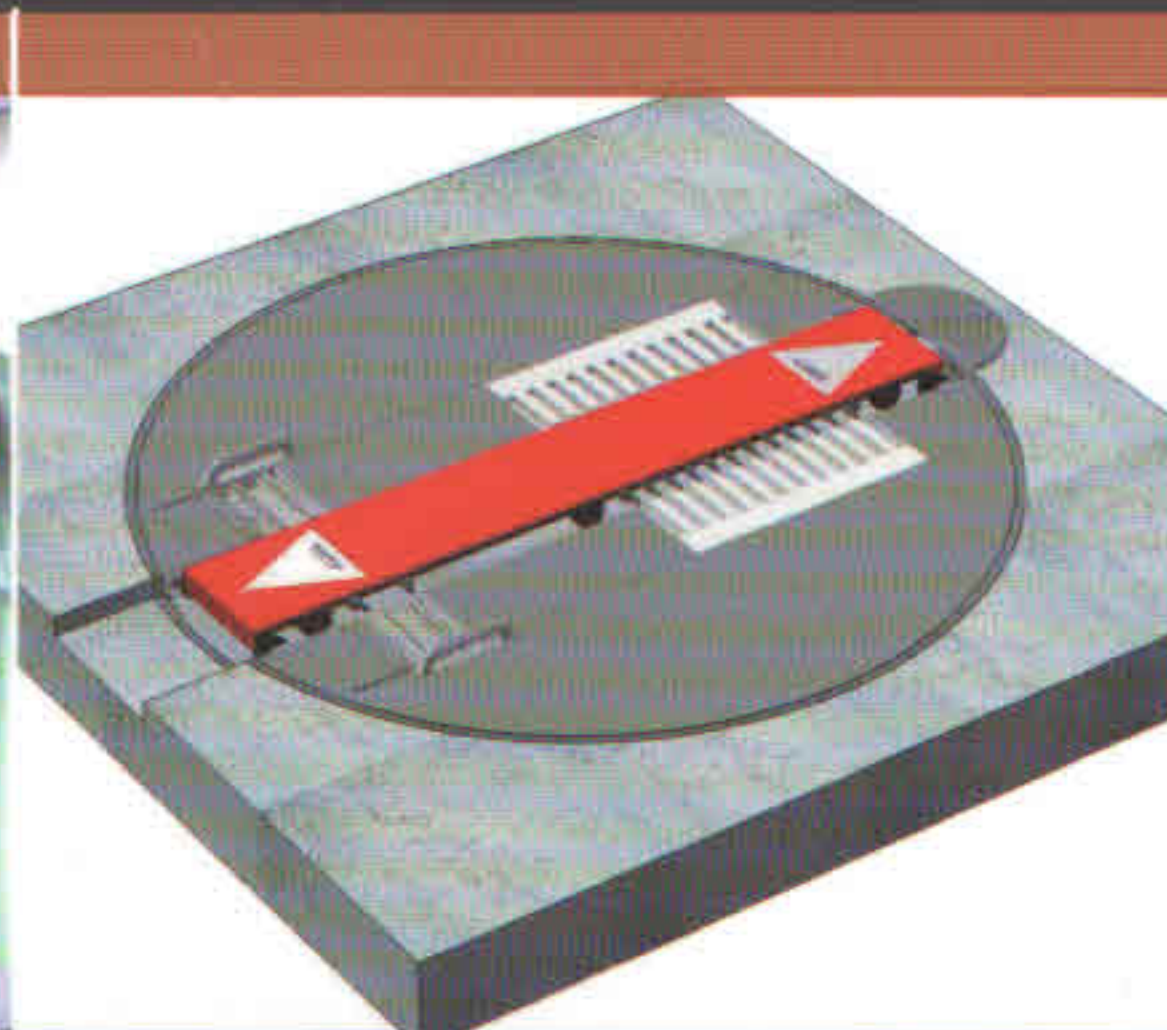
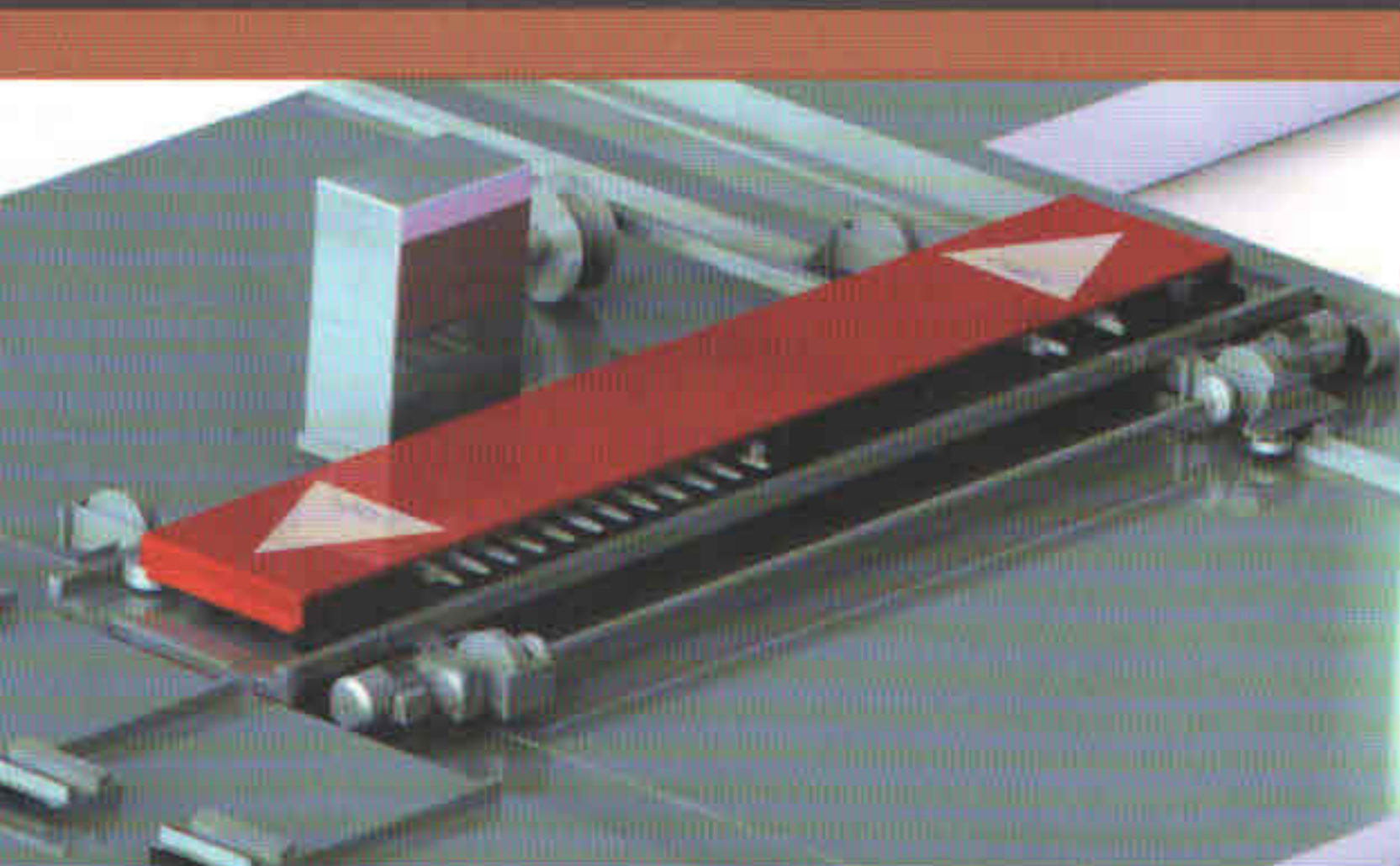




# SOTEFIN

## LE RAGIONI DI UN GRANDE SUCCESSO

- capacità di comprendere correttamente le reali esigenze del cliente e progettare la soluzione più adeguata
- know-how di progettazione ed esperienza di oltre 50 anni
- elevata versatilità del prodotto che permette il tailor made sull'edificio nuovo o da ristrutturare
- più di 26.000 posti auto realizzati
- più di 3.000 negli ultimi 2 anni
- oltre 170 installazioni nel mondo
- realizzazioni in oltre 17 paesi
- grande capacità di dimensionamento (da 1 a n posti di trasferimento)
- capacità di progettare, costruire e coordinare grandi installazioni
- bassissimi costi di gestione degli impianti
- flessibilità che permette di realizzare parcheggi di dimensioni piccole-medie-grandi-grandissime
- supporto a 360° fino alla realizzazione del libretto di montaggio in 3D
- supporto per la predisposizione del business plan dell'intervento




- The skill to correctly understand the real needs of the client along with the capabilities to develop the most suitable solution
  - Over 50 years of experience and project know-how
- High versatility of the product; tailor made systems for either new and restored buildings
  - More than 26,000 car spaces built
- More than 3,000 car spaces built in the last 2 years
  - More than 170 installations worldwide
- More than 17 countries house Sotefin systems
  - Skill to establish the car traffic flow inside the AVS (From 1 to n transfer area)
- Skill to design, develop, build and coordinate large installations
  - Lowest operating costs
- Flexibility in quantity and dimensions: Handling of small, medium, large, extra large number of cars
  - 360° assistance: 3D assembling drawing and maintenance instructions
- Assistance during the preparation of the project business plan

# SOTEFIN

## THE REASONS OF OUR GREAT SUCCESS






**Parcheggio  
pubblico 510  
posti auto**

**Public parking  
510 car spaces**



**Parcheggio  
pubblico  
1000 posti auto**

**Public parking  
1000 car spaces**



**Parcheggio  
residenziale  
36 posti auto**

**Residential parking  
36 car spaces**


# I PARCHEGGI AUTOMATICI MECCANIZZATI

In tutto il mondo la richiesta di posti auto è vertiginosamente cresciuta nel corso degli anni non solo nelle aree dei centri storici del vecchio continente, ma anche nei poli finanziari e commerciali e nel settore ricettivo d'oltre oceano, dei paesi emergenti come India e Cina, ed in generale dei paesi arabi e del far east. Ciò ha determinato una sempre maggiore richiesta di parcheggi automatici meccanizzati.

In questo scenario **SOTEFIN**, come leader di settore, ha giocato e gioca un ruolo fondamentale in forza delle proprie capacità sviluppate non solo nella realizzazione di nuovi impianti, ma anche nella ristrutturazione e nell'ammodernamento di impianti già esistenti.


Molte sono le soluzioni che **SOTEFIN** è in grado di progettare e realizzare, sia nel settore del terziario che del ricettivo e del residenziale. Tutte le soluzioni proposte da Sotefin emergono per versatilità, tecnologia e per il grado di personalizzazione.

Per ogni esigenza relativa ai parcheggi automatici non esitate a prendere contatto con la nostra azienda: progettisti e tecnici sono a vostra disposizione per individuare la soluzione adeguata.




**Parcheggio  
residenziale  
50 posti auto**

**Residential parking  
50 car spaces**



**Sala di controllo**

**Control room**



**Area di entrata/  
uscita pubblica**

**Public entry/exit  
area**

The request for car parking spaces has grown dramatically during the last decade and not only in the historical old squares of the Old Continent but also in the newest financial, commercial and residential centres overseas, as well as in India, China, Middle and Far East.

These new markets have generated an ongoing need of automated mechanical parking spaces. On such a scenery, **SOTEFIN**, being the field leader, has played and plays a fundamental role thanks to its own skills applicable not only to develop new systems but also updating and renovating old installations.

**SOTEFIN** offers various solutions for the office complexes, residential and commercial centres. Every project solution proposed by **SOTEFIN** is highlighted by its versatility, technology and tailor made design.

For any need regarding Automated Vehicle Storage Systems do not hesitate to contact us: our engineers, designers, talented managers are at your disposal to seek the proper solutions to fulfil your requirements.

## AUTOMATED VEHICLE STORAGE SYSTEM