# Types of Mechanized Parking Systems

**Fully Automatic Systems**

These are systems where the car is driven up to a point from where parking and retrieval is automated.

- Over Ground
  - Tower Parking
  - Mini Rotary
- Under Ground
  - Stacker Type
  - Shuttle Type
  - Horizontal Circulation

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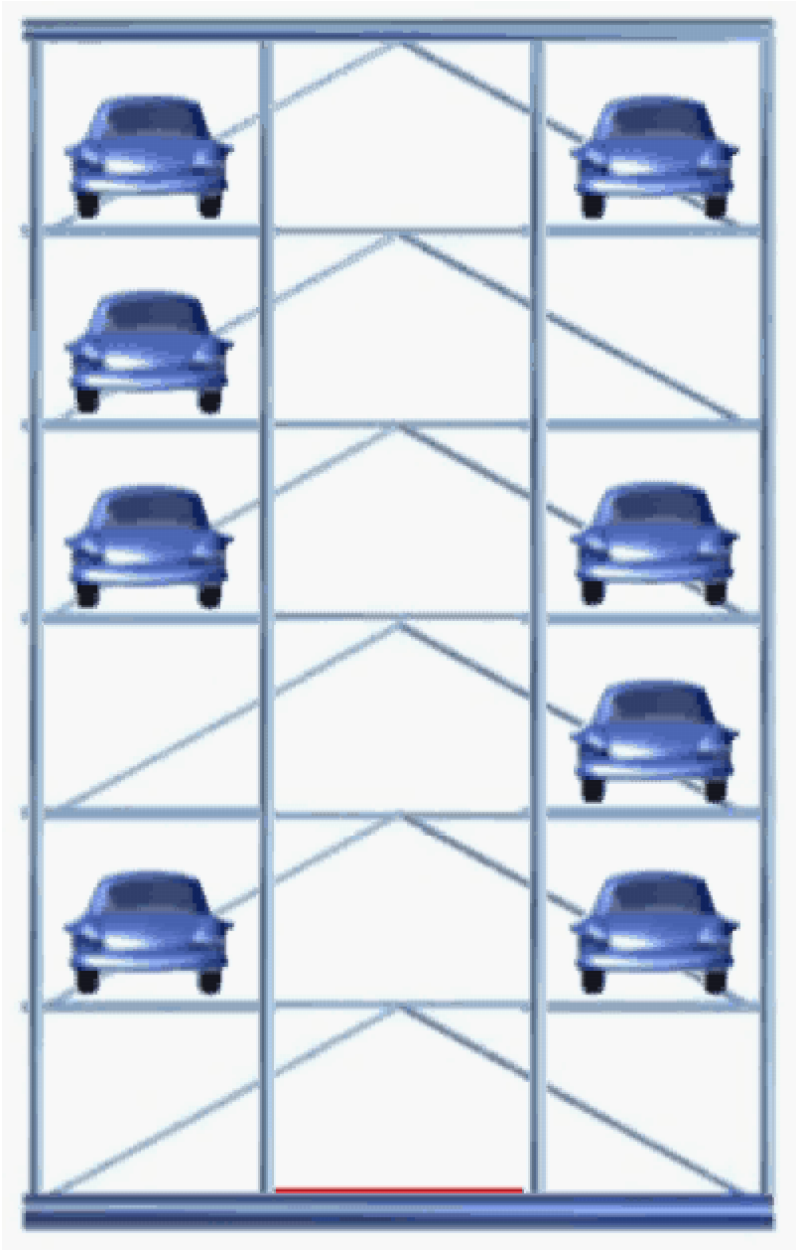
# Tower Type - Simulation



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# Over-ground Automatic Systems

- **Mini Rotary**

Key Advantages

1. Human Oriented  Design
2. Computerized Control System
3. 12 cars in 2 Car Space
4. Parking or retrieval takes 1 minute.

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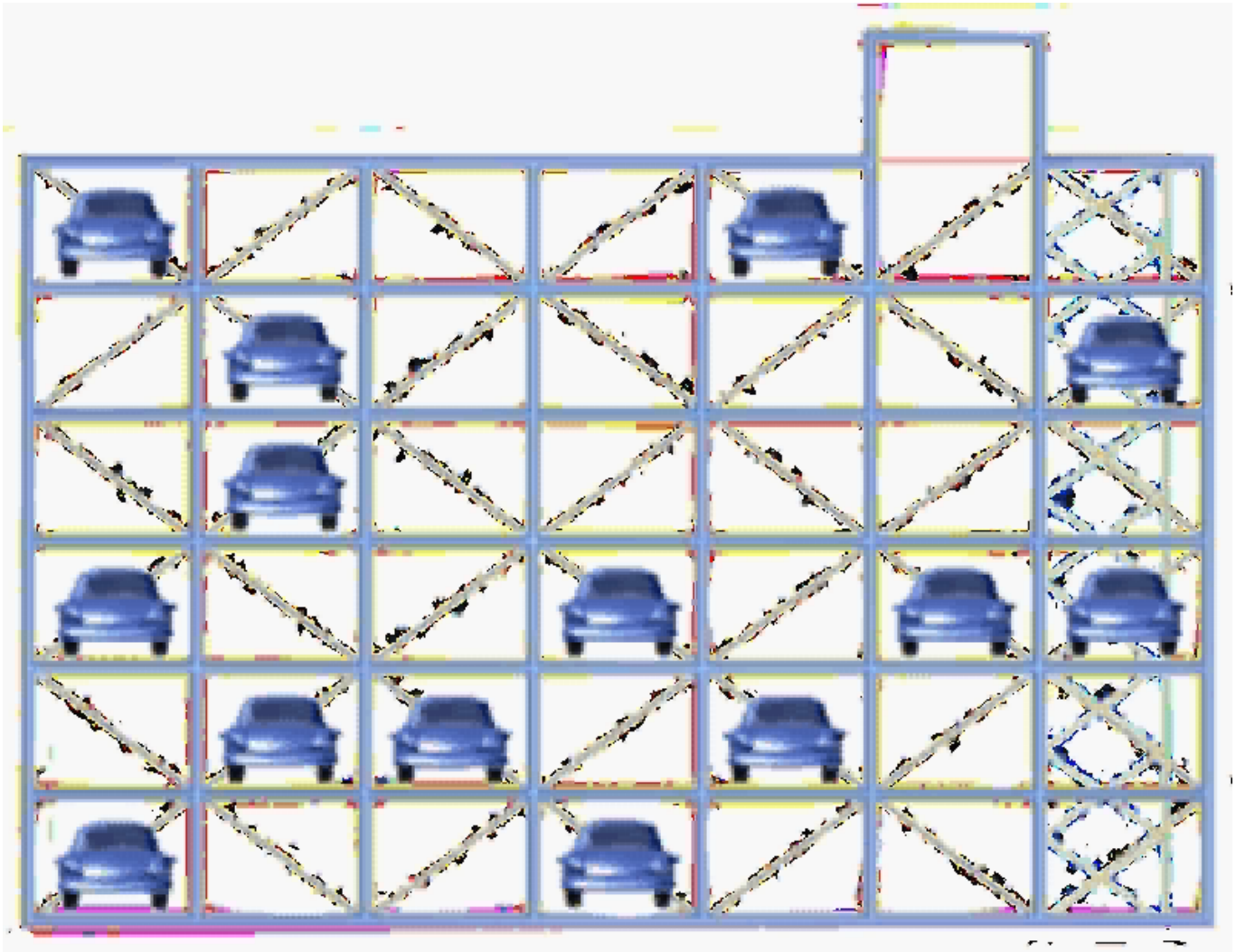
# Stacker Type Simulation



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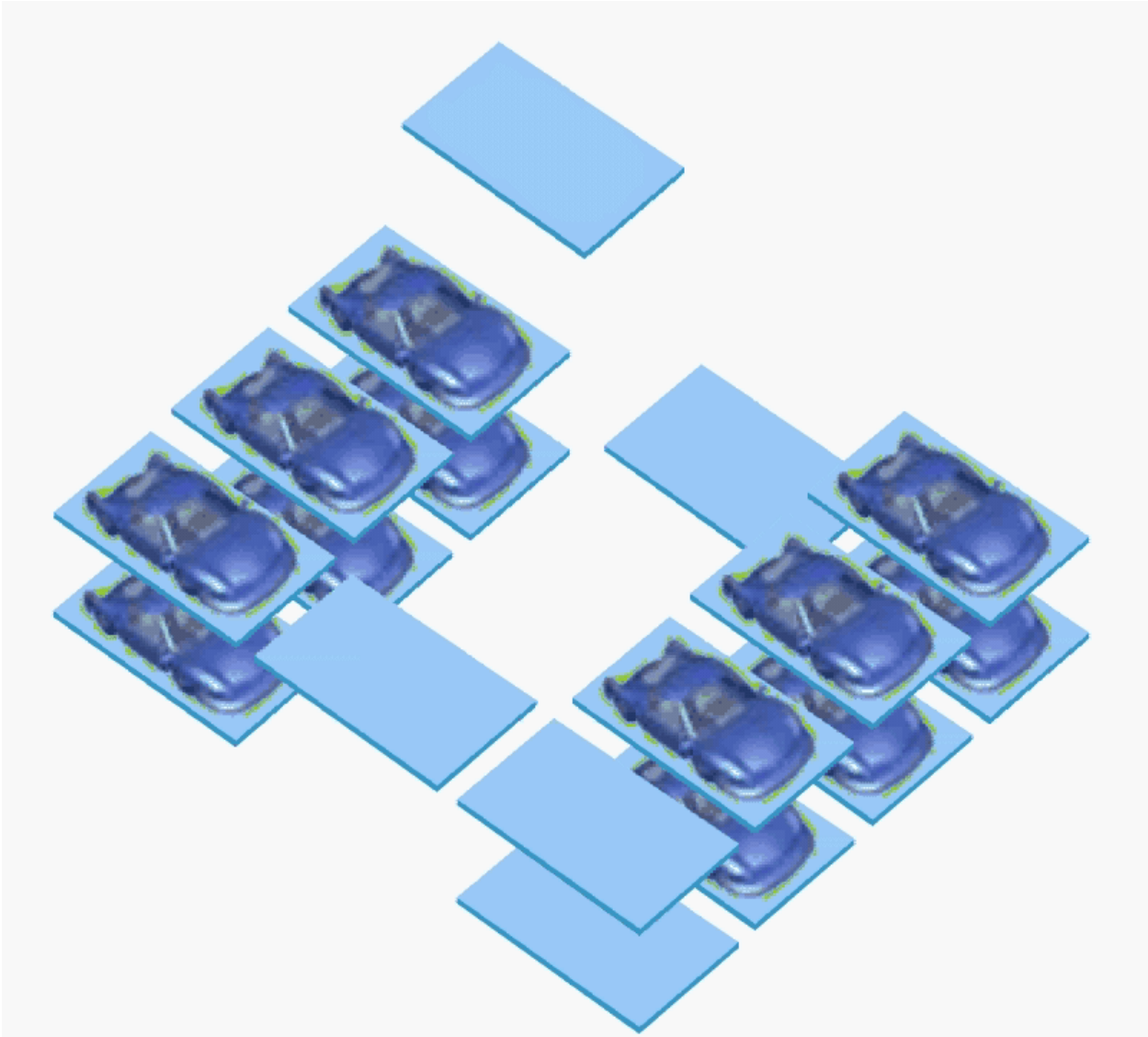
# Shuttle Parking Simulation



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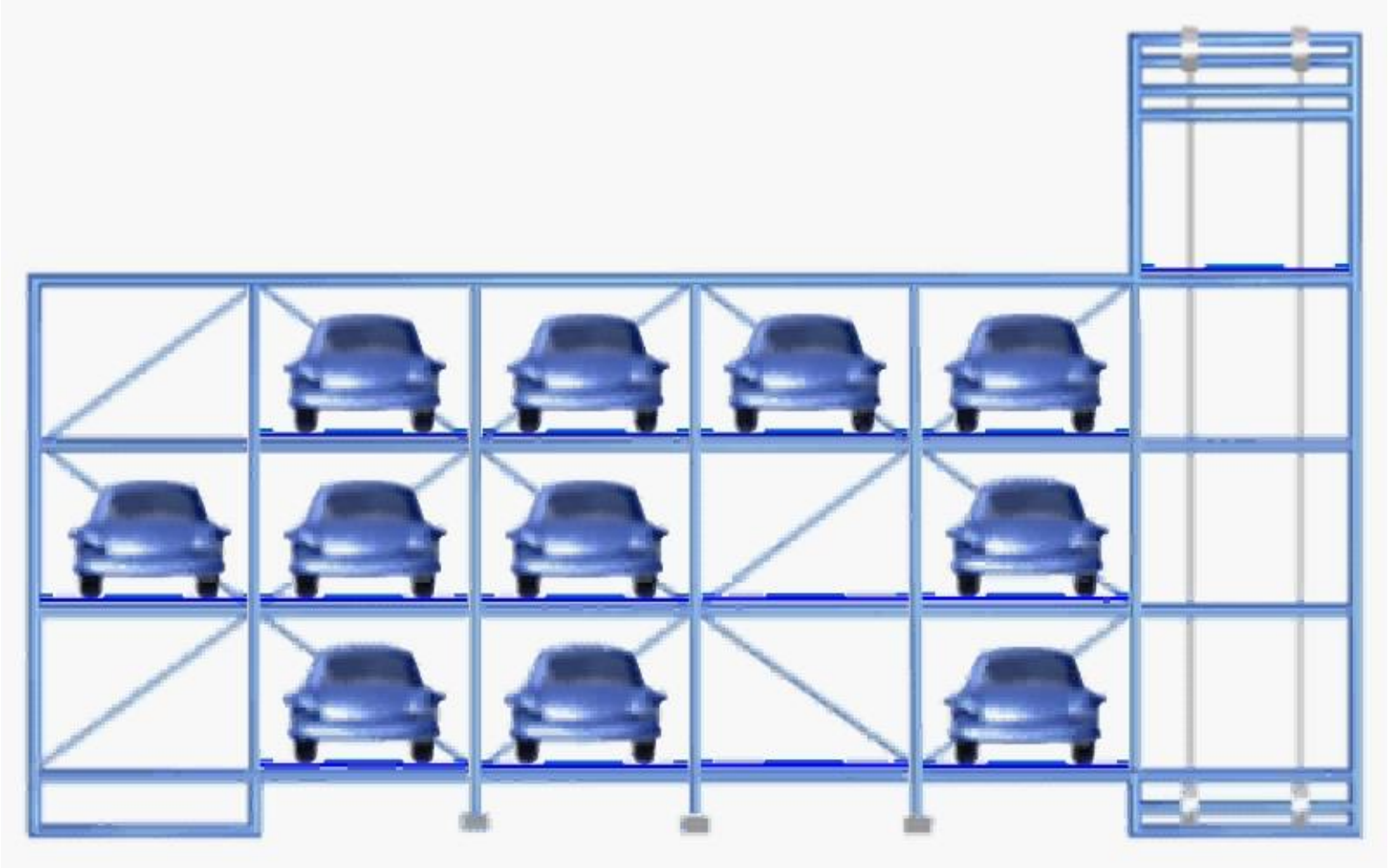
# Horizontal Circulation Simulation



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# Over-ground Semi automatic Systems

**2-7 Level Puzzle System**

Key Advantages

1. The puzzle parking system works like word puzzle game.
2. No need to take out the parked car to remove or park any car.
3. The system is very easy to operate and maintain
4. Can be installed in driveways, basements, rooftops, wither indoors or outdoors.
5. Very economical on operational costs and maintenance.
6. Requires less than a minutes for parking and taking out a car.
7. A typical module measuring 15 mtrs. X 6 mtrs can accommodate up to 22 cars.

# Puzzle Parking – Overground ( 5 level )


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# Selection Criteria for a Solution

1) Energy cost per parking cycle
2) Maintenance cost and reliability
3) Retrieval / Evacuation Times
4) Entry / Exit Reliability
5) Fire Safety
6) User Friendliness
7) Queuing Effect
8) Availability of Service to maintain the system and spare parts