



Trivanta Edge

Parking, Perfected

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"The Ultimate Parking Solution!"

Customised Parking Solutions for Modern Infrastructure

THINK! PLAN! CREATE!

About Trivanta Edge

Trivanta Edge is a pioneering name in advanced parking system manufacturing and implementation. We specialize in creating innovative, customized parking solutions that address the critical challenge of space optimization in modern urban environments. Our systems are engineered to provide seamless car parking management, ensuring efficient space utilization while significantly reducing the time and stress associated with finding suitable parking.

Our comprehensive approach begins at the project's conceptual stage. As trusted consultants, we collaborate with developers, architects, and planners to determine ideal spatial dimensions and configurations that maximize parking capacity without compromising accessibility or safety. This proactive involvement ensures that parking infrastructure is not an afterthought but an integral component of the overall design.

Trivanta Edge designs are tailored to meet each client's unique requirements. We conduct thorough site assessments, analyzing available space, traffic flow patterns, and capacity needs to deliver optimal parking solutions. Whether it's a high-rise commercial complex, residential apartment building, hospital, shopping mall, or industrial facility, we provide scalable and adaptable systems that grow with your needs.

Why Choose Trivanta Edge?

With over years of industry expertise, we combine cutting-edge technology with practical engineering to deliver parking systems that are reliable, efficient, and cost-effective. Our commitment to quality, innovation, and customer satisfaction has made us a preferred partner for leading developers and businesses across India. We don't just install parking systems - we create parking experiences that enhance property value and user convenience.

Key Features & Benefits

Maximum Space Utilization

Our intelligent design maximizes parking capacity by utilizing vertical space, reducing the footprint required by up to 60% compared to traditional parking methods.

Cost-Effective Operations

Low maintenance requirements and minimal operating costs ensure excellent ROI. Our systems pay for themselves through increased parking capacity and reduced land costs.

Whisper-Quiet Technology

Advanced hydraulic and mechanical systems operate at significantly lower noise levels, making them ideal for residential and mixed-use developments.

Energy Efficient Design

Low power consumption with eco-friendly operation. Our systems use energy only during retrieval and parking operations, reducing overall electricity costs.

Flexible Configurations

Available in numerous configurations to suit any space constraint – from basement pits to multi-story towers, we have a solution for every challenge.

Safety & Security

Advanced safety features including anti-fall mechanisms, emergency stop systems, and secure vehicle enclosures protect both vehicles and users.

Weather Protection

Vehicles are stored in enclosed systems, protecting them from weather elements, dust, and environmental damage, extending vehicle lifespan.

Smart Integration

IoT-enabled systems with mobile app integration, automated payment systems, and real-time availability tracking for enhanced user experience.

Rapid Installation

Modular design allows for quick installation with minimal disruption to ongoing operations, reducing project timelines significantly.

Competitive Advantages

1

Consultation & Planning

Our expert team provides comprehensive consultation services from the initial planning stage, ensuring optimal parking solutions are integrated into your project design from day one. We analyze site topography, traffic patterns, and future expansion possibilities.

2

Custom Engineering

Every project receives custom-engineered solutions tailored to specific requirements. We don't believe in one-size-fits-all approaches – each system is designed considering site constraints, capacity needs, and budget parameters.

3

Quality Manufacturing

All components are manufactured in-house at our state-of-the-art facility with stringent quality controls. We use premium-grade materials and components that ensure longevity and reliable performance even under heavy usage.

4

After-Sales Support

Comprehensive after-sales service including regular maintenance schedules, 24/7 technical support, spare parts availability, and operator training ensures your system operates at peak efficiency throughout its lifecycle.

5

Compliance & Certification

All our systems meet and exceed national and international safety standards. We ensure full compliance with building codes, fire safety regulations, and accessibility requirements.

6

Value Enhancement

Our parking solutions significantly increase property value by providing additional parking capacity without consuming valuable ground space, making developments more attractive to buyers and tenants.

Comprehensive Product Range

Explore our diverse range of parking solutions designed to meet every spatial and capacity requirement

TOWER PARKING SYSTEM

- Single Side Tower Parking System
- Both Side Tower Parking (1+1)
- Double Deep Tower System (2+2)
- Triple Deep Tower System (3+3)
- Height capacity up to 65+ meters
- Ideal for high-density areas

HYDRAULIC PUZZLE PARKING

- 2 Level Puzzle System (G+2)
- 2 Level Puzzle System (-1 & G)
- 3 Level Pit Puzzle (-1 & G+2)
- Ground Puzzle System (G+7)
- 1 in Pit & 6 Above (G-1 & +6)
- 2 in Pit & 5 Above (G-2 & +5)
- 3 in Pit & 4 Above (G-3 & +4)
- Smooth hydraulic operation

MECHANICAL PUZZLE PARKING

- Multi-level ground systems
- Horizontal sliding configurations
- Vertical lift mechanisms
- Custom puzzle layouts
- Space-optimized designs
- Cost-effective solutions

STACK PARKING SYSTEM

- Stack Park (Ground & Above)
- Stack Park (Pit & Ground)
- Stack Park (Ground & 2 Above)
- Stack Park (Pit, Ground & Above)
- Stack Park (Pit & Ground 2 Above)
- Compact footprint design
- Quick access technology

NO POST SYSTEM

- Pillar-free parking spaces
- Maximum space efficiency
- Enhanced accessibility
- Ideal for luxury projects
- Premium aesthetic appeal
- Easy vehicle maneuvering

TWO-WHEELER PARKING

- Bike stackers (single & double)
- Two-wheeler double stack systems
- Multi-level bike parking
- Scooter-compatible designs
- Weather-protected storage
- High-density configurations

Technical Specifications

Load Capacity

Supports vehicles up to 2,500 kg per platform with safety margins exceeding 150% of rated capacity

Retrieval Time

Average vehicle retrieval time of 60-90 seconds depending on system configuration and floor level

Power Supply

Standard 415V/3-phase supply with automatic voltage stabilization and backup power options

Safety Features

Multiple safety sensors, emergency stop buttons, anti-collision systems, and fire detection integration

Control System

PLC-based automation with touch screen interface, mobile app control, and remote monitoring capabilities

Warranty

Comprehensive 2-year warranty on all mechanical and electrical components with extended coverage options

Recent Projects 2024-25

A showcase of our successfully delivered parking solutions across India

Premium Residential Complex - Pune

Product:	Puzzle Car Parking System
Quantity:	30 Car Platforms
Additional:	G+1 Hyd 4-Post: 12 Nos
Two-Wheeler:	212 Bike Stackers
Status:	Ongoing

Luxury High-Rise Tower - Mumbai Dadar

Product:	Tower Parking System 1x1
Capacity:	46 Cars
Height:	61 Meters (20+ Floors)
Technology:	Automated Vertical Lift
Status:	Ongoing

Elite Residential Development - Pune

Product:	G+1 Hydraulic Stack
Quantity:	136 Parking Platforms
Configuration:	Ground + 1 Level Above
Type:	Hydraulic Stacker System
Status:	Ongoing

IT Park & Commercial Complex - Noida

Product:	G+1 Stacker System
Quantity:	186 Parking Units
Application:	Commercial Parking
Features:	Quick Access, High Traffic
Status:	Completed

Mixed-Use Township - Nasik

Product:	Mechanical 3L OG Puzzle
Configuration:	G+2 (3 Level System)
Quantity:	19 Parking Units
Additional:	G+1 Hyd Stack: 4 Nos
Status:	Ongoing

Residential Skyline Project - Pune

Product:	G-1+1 Stacker System
Quantity:	191 Parking Platforms
Configuration:	Pit Level + Ground + Above
Type:	Multi-Level Stack System
Status:	Ongoing

Premium Residential Complex - Pune

Product:	G+1 Hydraulic Stack
Quantity:	22 Car Platforms
Additional:	G-1+1 Stacker: 2 Nos
Project Type:	Residential High-Rise
Status:	Completed

Luxury Apartments - Pune

Product:	Pit Puzzle Parking System
Configuration:	G-1+1 Multi-Level
Quantity:	101 Parking Units
Additional:	G+1 Hyd Stack: 16 Nos
Status:	Ongoing

Upscale Development - Pune	
Product:	G+1 Hydraulic Stack
Quantity:	55 Parking Platforms
Features:	Premium Grade System
Project Type:	Luxury Residential
Status:	Ongoing

Modern Residential Complex - Multiple Locations	
Product:	G+1 Hydraulic Stack
Quantity:	40 Units + 27 Two-Wheeler
Configuration:	Mixed Car & Bike Parking
Features:	Integrated Solution
Status:	Ongoing

Client Testimonials

"Trivanta Edge transformed our parking challenges into opportunities. Their tower parking system allowed us to offer 40% more parking spaces without increasing our land footprint. The ROI has been exceptional, and our residents couldn't be happier with the convenience and security."

— Real Estate Developer, Mumbai

"Professional team, innovative solutions, and excellent after-sales support. The hydraulic puzzle system they installed operates flawlessly even after two years of heavy usage. Their maintenance team is responsive and ensures zero downtime."

— Property Manager, Pune

"We were skeptical about automated parking initially, but Trivanta Edge's expertise and proven track record convinced us. The installation was smooth, the training comprehensive, and the system has been running without issues. Highly recommended for commercial properties."

— IT Park Administrator, Noida

Our Valued Clients

Trusted by leading developers, builders, and property managers across India



Project Gallery - On-Site Installations

Real installations showcasing our commitment to quality and precision

[Featured Project Image 1]

[Featured Project Image 2]

[Tower System 1]

[Tower System 2]

[Tower System 3]

[Tower System 4]

[Puzzle System 1]

[Puzzle System 2]

[Stack System 1]

[Stack System 2]

[Installation 1]

[Installation 2]

[Installation 3]

[Installation 4]

[Control Panel]

[Safety Features]

[Hydraulic System]

[Mechanical Components]



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Monday - Saturday: 9:00 AM - 7:00 PM
24/7 Emergency Support Available for Existing Clients