



MECHANICAL CAR PARKING SYSTEMS PLANNING & ENGINEERING

Introduction

As communities grow, prosper & expand, transportation becomes one major concern. Absence of robust and reliable public transportation makes commute a challenge. Affordability prompts people to have their own vehicle, be it a two wheeler or a car. Owning a vehicle leads to another challenge - parking. With space becoming scarce and costs of real estate sky rocketing, building owners need to look at improving parking densities within the space available. PAPL Corp, as leaders in Mechanical Car Parking Planning & Engineering have been involved car parks in many iconic buildings across India, starting from concept design up to the handing over stage. PAPL Corp has the privilege of working with top builders and architects in planning the parking requirement for world class buildings and structures. We collaborate with the project architects and the design team to ensure that our designs seamlessly integrate with the building thus ensuring smooth traffic flows and efficient handling of traffic apart from being cost effective.

Designing vehicular movement inside buildings require a very diligent approach to ensure smooth flow without any hindrance to the occupants of the building. Mechanical Car Parking systems have become an integral part of every built environment like multiplexes, malls, Airports, Metros, Commercial Offices, Hotels, Educational Institutions, Residential Complexes etc. and are no longer deemed a luxury. Planning for these equipment and the pattern of usage should address both Quality and Quantity of service apart from being a safe and easy to operate.

What is Mechanical Car Parking Planning & Engineering?

Planning, engineering and selection of mechanical parking equipment requires substantial collaboration among various expert trades. The process starts with establishing required parking efficiency based on architectural estimates and selecting the right equipment that is contemporary, safe and easy to operate. It requires meticulous planning to ensure the right mix of system parking and surface parking are provided so that every type of car finds space to park. Space allocation is another important aspect where critical attention should be paid.

Drive ways and pedestrian paths are critical to parking spaces and adequate attention should be paid in order to avoid bottle necks and facilitate smooth movement of traffic.

Planning & engineering involves providing dimensions, specifying the right operating & safety features as well as ensuring the equipment meets the latest codes and standards.

Why choose PAPL Corp for Mechanical Car Parking design?

We have worked on various assignments over the past 13 years and have established ourselves as leaders and domain experts in planning & Engineering of Mechanical Car parking Systems, across all sectors of the built environment. Our experienced team of engineers deal with the challenges of parking equipment irrespective of size, scope or complexity of the project. We work directly with Developers, Architects and Asset Owners and apply our knowledge of the latest innovations and advances in the lift industry to help make cutting edge architecture possible. In the absence of any governing standards for mechanical parking systems PAPL Corp bridges the gap and maintains design neutrality.

What services does PAPL Corp offer?

Mechanical Parking Systems Planning

- **Parking Statement and Distribution Matrix** - Parking chart based on parking distribution between dependent, independent and surface/ regular parking. Optimization to suit requirement and regulations of the city development rules
- **Parking Efficiency Statement** - Achieve efficiency and exceed requirements of the developer and/ or the regulation where-ever possible. provide such statement justifications
- **System Selection** - Select the most suitable and efficient system to meet the requirement
- **Equipment Dimension Matrix** - Common civil dimension matrix ensures compliance by most of the vendors/OEM
- **Electrical & Structural Loads** - Planning information on civil and electrical requirement
- **Budget Estimates** - Closer to market values budget prices based on price data available with us
- **Design Brief Reports** - Detailed design brief covering all aspects of the mechanical parking design including interphase required from other agencies and inputs for operations.
- **Layout Drawings With Driveways, Pedestrian Ways, Signages etc...** - Detailed AutoCAD drawings providing all dimensional parameters
- **Specifications** - Detailed specifications covering all aspects including safety, performance, operating system etc
- **Bid Documents** - Detailed bid documents covering technical data sheet, scope of work, price schedule, tests and certificates requirements etc.
- **Bid Evaluation** - Objective bid evaluation. 50-point scoring system for a very objective & transparent decision making

Approvals

- **Specification Approval** - Check and approve specifications to ensure the vendor complies with the specifications and does not deviate or avoid compliance to critical requirements
- **Drawing Approval** - Approve vendor GA drawings and check if the drawings are in line with architectural drawings and with the site
- **Finishes Approval** - Ensure vendor provides necessary inputs as per requirement for approval by client and clear submission to enable client approval.

Project Related Inspection & Reviews

- Factory Inspections
- Quality Plan Review
- Methods Statement Review
- Material Checking
- In Process Checks
- O&M Manual Review

Pre Handing over Inspection

- Checklist based inspection based on random sampling
- Generation of sang report
- Re-inspection if required
- Issue of certificate of inspection on criteria fulfilment
- Provide inspection stickers

What value does PAPL Corp bring?

- We are leaders in this domain with abundant experience and resource. We have the ability to handle even the most complex projects
- We are independent, impartial and demonstrate our design neutrality so you can have confidence that our advice represents your best interests
- With PAN India experience behind us, we offer comprehensive and responsive service matching every market requirement.
- Most of our processes are automated or system driven including preparation of specifications, technical evaluation and inspection reports. This ensures standardization and eliminates errors in all the processes.
- We are an accredited inspection body and comply with ISO/IEC 17020:2012, an affirmation of our competence.

Further Information

If you need further details or need our services, please write to us at info@paplcorp.com or call us at +919884507535 and we will be happy to assist you.