

CAR PARKING DEMAND STUDY, LAYOUT PLAN AND CIRCULATION SYSTEM DESIGN

Introduction

With the rapid economic development, historic spanning development is realized for auto industry in terms of annual production increases sharply and ownership of car in the city increases greatly. The coming of car era brings big challenge for parking arrangement. How to park rapidly and conveniently and how to facilitate driver finding the parking space without turning repeatedly is the foremost issue nowadays.

MVA is able to provide a completed set of layout plan design of car park to the developer, architect, planner and engineer, which includes car parking demand calculation and car parking circulation design, etc.

MVA has rich experience from the conceptual design, scheme design to implementation, service covers:

- Car parking and Servicing (Goods, Coach, Pick up/ Drop off Transport demand study
- Car park layout plan and circulation design
- Car park entrance/exit and gradient design
- Car park swept path analysis
- Car park loading/unloading area and layout design

MVA has involved in many major car park design projects in China and in Asia, including:

Hong Kong

- Car park design for MegaBox, Kowloon Bay
- Car park design for Belcher Gardens
- Car park study of underground shopping mall in Tsim Sha Tsui
- Parking demand study of Convention and Exhibition Center
- Car park reconstruction study of Convention and Exhibition Center
- Car park and loading/unloading demand study of Regal Hong Kong Hotel

China

- Joy City car park study, Beijing

- New Times Square and China Construction
- Tower car park design and demand study, Beijing
- China Place car park design and demand study, Beijing
- Greentown Yinghang Plaza car park study, Tongzhou, Beijing
- Joy city car park demand study, Tianjin
- Hang Lung Plaza car park study, Tianjin Citic Plaza car park study, Hedong, Tianjin
- CRC MixC car park demand study, Shenzhen
- Car park design for Qianhaiwan logistic park, Shekou, Shenzhen
- Shangri-La Hotel and Office Development car park study in Futian district, Shenzhen
- Parking guidance study in Futian CBD, Shenzhen
- Car park design of Xiamen Cruise Terminal, Fuzhou
- CRC MixC car park design, Chengdu
- CRC MixC car park design, Zhengzhou
- CRC MixC car park design, Shenyang
- CRC MixC car park design, Qingdao
- Twin Tower car park study, Suzhou
- Wynn Resorts and casino car park study, Macau
- Hotel Lisboa and casino car park study, Macau
- Galaxy City Club Development at Cotai, Macau
- MGM Grand car park study, Macau

Middle East

- Qatar Doha Marwan Ranch College Traffic Circulation and Car Park Strategy Study
- Saudi Arabia Jeddah Riviera Shopping Mall Car Park Study
- Arab Emirates Burj Dubai Shopping Mall Car Park Study

Thailand

- Bangkok Exchange Building Car Park Design
- Bangkok Sukhothai Hotel Car Park Study

Singapore

- Suntec City Car Park Study
- Coastal Bay Resort Club Car Park Design

- Sentosa Resort Hotel Car Park Study

Philippine

- Manila West Francis Tower Car Park Transport Study
- Manila Bay Bell Bay City Commerce/Hotel Car Park Study
- Car Park Study of The Landmark of Domingos Bonifacio

Others

- Indonesia Jakarta Almaty Transportation Center Car Park Study
- India Delhi Noida Theme Park Car Park Study



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Shopping Mall

Introduction

With the rapid growth of economy, large shopping mall has become a new fashion in the country, currently, there are more than 200 shopping malls in the China, with a total area of 30 million square meters. How to stand out from a number of shopping malls as a leading market sector? The developer not only needs an architect who has a insight into the marketplace, but also needs the best design of passenger flow and vehicle flow circulation for the shopping mall, thus allowing customers to use the shopping mall more conveniently, more comfortable and more effectively. As a state-of-art traffic designer, MVA is able to provide an integral and efficient layout plan of the shopping mall to the developers, architects, planners and engineers, including passenger flow estimation, design and evaluation of boarding/alighting facility of private vehicle and taxi, queuing arrangement of taxi and loading/unloading facility of goods vehicle for the shopping mall.

MVA has extensive experience in the design of shopping mall from conceptual design, scheme design to detailed design. Service covers:

- Customer flow forecasting
- Customer flow circulation design
- Vertical traffic study (lift, escalator)
- Layout plan design
- Boarding/alighting area design
- Loading/unloading area design

- Goods strategy study (unloading platform, cargo lift)
- Car parking design (circulation, guidance)
- Goods vehicle swept path analysis

MVA has involved in lots of design projects of large shopping malls in the country and in Asia, which include:

Hong Kong

- ▶ The Pacific Mall, Admiralty, Hong Kong
- ▶ IFC, Central Station, Hong Kong
- ▶ Harbour City, Tsim Sha Tsui, Hong Kong
- ▶ Elements, Kowloon Station, Hong Kong
- ▶ Festival Walk, Kowloon Tong, Hong Kong
- ▶ Maritime Square, Tsing Yi, Hong Kong

Mainland China

- ▶ Sanlitun Mall, Beijing
- ▶ COFCO Joy City, Beijing
- ▶ Shin Kong Place, China Central Place, Beijing
- ▶ Hang Lung Plaza, Heping District, Tianjin
- ▶ COFCO Joy City, Tianjin
- ▶ CRC Mix City, Shenzhen
- ▶ TaiKoo Hui, Guangzhou
- ▶ CTF Plaza, Guangzhou
- ▶ New World Center, Shenyang
- ▶ Royal City Hang Lung Plaza, Zhongjie Road, Shenyang
- ▶ Shenyang Municipal Hang Lung Plaza
- ▶ CRC, Mix City, Shenyang
- ▶ Hang Lung Plaza, Jinnan
- ▶ CRC Mix City Phase 2, Hangzhou
- ▶ CRC 24-City, Chongqing
- ▶ Raffles Plaza, Chengdu
- ▶ CRC Mix City Phase 2, Chengdu
- ▶ Kerry City, Pudong District, Shanghai
- ▶ Kerry Center, Jing'an District, Shanghai

Overseas Projects

- ▶ Mall of Arabia, Dubai
- ▶ Jeddah Riveria Mall, Sudi Arabia
- ▶ Mega Bangna Shopping Center, Bangkok
- ▶ Central World, Bangkok



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CAR PARK MANAGEMENT AND CONTROL SYSTEM DESIGN, TECHNICAL SPECIFICATION AND BIDDING DOCUMENT COMPILATION AND EVALUATION OF TENDER

Introduction

With the increasing number of vehicle, the previous car park which was operated and managed only by manual means cannot meet the quick and convenient market demand, so demand of intelligent management of car park is increasing dramatically. With the progress of science and technology and the development of car park management and control, intelligent management system of car park is now being commonly used in residential area, office building and shopping mall. The required level of car park management is getting higher, and the intelligent level is increasing relevantly, so it is used more conveniently, and it also brings convenience and comfort to the users in their living. Good quality of building can be reflected fully by rigorous car park design through the attention paid to the subtle things. In order to improve the potential value of the whole development, MVA will design the scheme of car park system, which includes scheme design of car park management and control and car park system tendering and bidding evaluation.

Design of Car Park Management Scheme

- Development of solution scheme
- Design of car park zoning management
- Design of car park control and management
- Design of car park vehicle locating system
- Functional design of car park internal and external guidance sign and lane marking
- Design of transport servicing facilities for car park

Tendering and Bidding Evaluation of Car Park System

- Compilation of car park intelligent system technical requirement document and tender document
- Tendering and bidding evaluation of car park intelligent system

MVA will provide a whole set of service for car park control, management and position system, designing for car park system, thus providing a comprehensive and professional solution scheme to the client.

MVA was involved in a series of studies of car park system in China and in Asia, including:

China

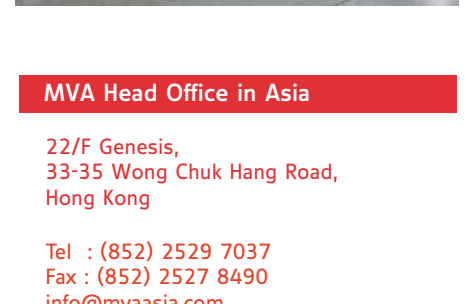
- Beijing Huamao Centre Car Park Management Scheme Design, Technical Requirement and Tender Document Compilation, Tendering and Bidding Evaluation
- Beijing TaiKoo Sanlitun Village North and South District Car Park Management System Design, Technical Requirement Compilation, Tendering and Bidding Evaluation
- Beijing New CCTV Building Car Park Management System, Technical Requirement Document Compilation
- Guosheng Center Beijing Dongzhimen Project Car Park Management Scheme
- Design, Car Park System Tendering and Bidding Evaluation
- Beijing CRC Oak Bay West and East District Car Park Management System Design, Technical Requirement and Tender Document Compilation, Tendering and Bidding Evaluation
- Beijing Fenghui International Underground Car Park System Design, Technical Requirement and Tender Document Compilation, Tendering and Bidding Evaluation
- Shenyang Huafeng Cultural Plaza Car Park Management System Design and Internal Traffic Circulation Design
- Shenyang New World Centre Car Park Management ,Guidance System Design,Technical Requirement and Tender Document Compilation, Tendering and Bidding Evaluation
- Guangzhou TaiKoo Hui Car Park Management, Guidance and Locating System Design, Technical Requirement and Tender Document Compilation, Tendering and Bidding Evaluation
- Shenzhen Futian CBD Car Park Guidance System Study

Middle East

- Dubai Maria Mall Office Building Car Park System Design, Technical Requirement and Tender Document Compilation, Tendering and Bidding Evaluation

Thailand

- Bangkok Exchange Building Car Park System Design, Technical Requirement and Tender Document Compilation, Tendering and Bidding Evaluation



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