

ABM *Vantage*

Integrated Mobility Solution

PARKING UNPARALLELED

By putting drivers first and unifying disconnected parking subsystems, *ABMVantage* accelerates growth for your parking operation by enhancing the driver experience, maximizing revenue, creating operational efficiencies, reducing costs and introducing new revenue streams.

ABMVantage is an Integrated Mobility Solution that takes smart parking to an unparalleled new level of integration, intelligence and ease.

It brings together data from diverse parking systems into a single platform, giving you new insights to generate more value for your drivers and for your business. *ABMVantage* enables you to get more from your existing subsystems, with the flexibility to add best-in-class solutions as your needs change.

Designed for accelerated deployment, *ABMVantage* turns parking garages into parking experiences that drive value, efficiency and customer loyalty.

Welcome to Parking Unparalleled.

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The ABMVantage Difference

Integrated Mobility Solution

As an Integrated Mobility Solution, ABMVantage unifies disconnected parking subsystem data to create an effortless driver experience that boosts revenue, drives operational efficiencies and uses data to identify trends, patterns and new opportunities.

Intelligently connecting the disconnected.

Most parking technology infrastructure consists of a mix of subsystems, including: parking access and revenue control system (PARCS), parking guidance system (PGS), online booking system (OBS), access control system (ACS), license plate reader (LPR), EV management system and valet management system. Typically, these subsystems serve as point solutions for a single capability with limited, if any, interaction between subsystems. The result is a complex web of legacy and new systems that are inefficient to manage, cumbersome to use and not configured to share insights from data collection.

Unparalleled integration.

ABMVantage brings together data from parking subsystems in a way that enables it to flow seamlessly. This drives dramatic improvements in parking management and driver experience.



ABMVantage gives your operation one unifying brain so subsystems and data work together seamlessly. The result: parking experiences that drive impact for your drivers and your business.

Optimize disconnected parking subsystems

PARCS	Parking Access & Revenue Control System
PGS	Parking Guidance System
OBS	Online Booking System
ACS	Access Control System
LPR	License Plate Reader
EV	EV Management System
VALET	Valet Management System

The ABMVantage Difference

Open Systems Open New Opportunities

ABM's open systems approach enables us to serve as your advocate to integrate the best solutions for your operation.

Retain your current systems.

As a professional services firm, ABM approaches parking solutions differently by focusing on bringing together the best technologies for your operation. With ABMVantage you can leverage, and protect your investment in, existing subsystems. When your goals and priorities change, ABMVantage makes it easy to add new or upgraded components.

Capitalize on best-in-breed options.

ABM works with the market leaders in PARCS, OBS, ACS, PGS, LPR, EV and valet systems. Our technology teams are creating APIs to aggregate data from these subsystems into the ABMVantage platform. This lets us use real-time data to give you real insights to enhance all aspects of your operation.

Structured centralized data.

ABMVantage centralizes all transactional data generated by your subsystems. It turns unstructured data into structured data in one record in real time. Structured data defines the driver experience across all subsystems and maximizes commercial management through a consolidated driver view.

This enables:

- 100% read rate of license plates with data shared between PARCS/LPR and PGS
- Automated reservation changes with data shared between OBS, PARCS and PGS
- Garage automation technology to drive frictionless experience
- Single point of payment with data shared between the EV management system and PARCS, improving driver experience while reducing operating expenses.

Unparalleled Mobility Platform

- Seamless subsystem integration
- Parking and revenue data work together
- Leverage existing technologies and equipment
- Roadmaps for growth based on your goals

The ABMVantage Difference

Advanced Insights in Real Time

ABMVantage creates a single point of truth for all your parking data with a dashboard that enables you to see, respond and proactively plan for new opportunities. The ABMVantage dashboard provides multiple views across all parking products regardless of subsystem provider. This allows you to use data insights to establish more efficient operations and optimize pricing across all parking products.

The right insights to the right people.

Different users have access to the information they need, when they need it. The dashboard is easily customized by user profile so parking teams, maintenance personnel and management can quickly and easily access the data-driven insights most relevant to their work.

Driven by your KPIs.

The ABMVantage dashboard features multiple levels of data and is driven by your KPIs. It is easy to drill down and create reports as needed to continually track program quality by garage, by service and by operational and financial criteria.



The ABMVantage dashboard gives you multiple views of real time data to drive financial, operational and driver experience decisions. (design is in a laptop frame)

Unparalleled Insights

- Occupancy: current, average daily and YTD
- Average driver duration
- Average ticket value
- Revenue: current, average daily, YTD and vs budget
- Pricing and rate structure analysis
- Service mix
- Trends and patterns
- Aggregated and single garage views

The ABMVantage Difference

New & Optimized Revenue

With ABMVantage, open parking spaces become open opportunities to maximize revenue and introduce new income streams. This enables you to utilize the same space or physical assets in multiple ways.

Accelerated start.

The ABMVantage solution can be deployed on an accelerated timeline with minimal investment. This gives you a strategic foundation to create a complete mobility ecosystem, including parking, curbside and commercial roadway management. With modern communication and network systems, the initial step can be accomplished without civil construction or the addition of IT staff.

Valuable trends, patterns and opportunities.

Through centralized data and smart application of AI, machine learning and computer vision, you can see valuable patterns and trends to make your operation more profitable and more efficient. You can make data-driven decisions by daypart, employing refined dynamic pricing, improving revenue and alleviating bottlenecks during peak times.

Premium services to meet changing driver needs.

With ABMVantage, a parking space can be more valuable than just a space. The platform gives you data-driven insights to configure your operation to meet the growing spectrum of driver needs, including general and reserved parking, VIP sections, valet and EV.

Think beyond the spot with new amenities.

The intelligence of the ABMVantage platform opens up new possibilities for space planning, allowing you to offer drivers new amenities or to convert underutilized space into new revenue streams.

Unparalleled Revenue Opportunities

- Up-charging for reserved spaces and other premium services
- Dynamic pricing to drive higher value per space
- Pre-booking and digital marketing for higher volumes
- Improved space revenue through license plate recognition technology and virtual ticketing



The ABMVantage Difference

New Operational Efficiencies

With ABMVantage, the same platform that powers an unparalleled driver experience also helps control operating expenses through automated, frictionless forms of booking, entry, payment and reconciliation.

Unified operations.

ABMVantage enables you to leverage your existing subsystems to work as a single platform. This stores critical data in one place, simplifies management and enables you to shift your focus to strategic priorities.

Highest level of PCI compliance.

Every year ABM collects more than \$1.5 billion in parking revenue for clients, supported by the highest level of PCI payment security. You gain access to an experienced parking management partner backed by the financial disciplines, processes and resources of a \$6 billion global corporation.

Comprehensive parking management.

ABM provides parking management for clients that include some of the country's largest airports, sports facilities, municipalities, commercial developments and corporate campuses. Our parking experts design, procure and install subsystems and coordinate physical improvements to modernize and optimize garage performance through data integration, EV installation, power infrastructure upgrades, lighting, valet and shuttle services. ABM also provides ongoing maintenance and staffing specifically for parking operations.

Unparalleled Operational Efficiencies

- Automated booking, entry, payment and reconciliation
- Optimized investment in current subsystems
- Industry-recognized parking management expertise
- Unmatched access to specialized technical services
- Resources of a \$6B corporation



The ABMVantage Difference

Effortless Driver Experiences

Living in a one-click, mobile-first world, today's customers put a premium on ease and speed. Parking operations are no exception. Presented with a better parking option, customers are more likely to return to an operation that consistently saves them time, directs them to open spaces and remembers them on every visit.

Driver first.

ABMVantage was purpose-built to be driver first, factoring in every part of the parking experience from reserving a spot, to transparent pricing, easy entry, wayfinding, EV recharging, touchless payment and easy exit. Valet and in-garage amenities are also easily integrated into the platform to further enhance the driver experience.

Hassle free.

ABMVantage helps you identify trends and patterns to optimize capacity and traffic flow. This lets you direct drivers to open spaces, eliminate congestion and reduce both driver frustration and the fuel-burning waste of circling and waiting to find an open space.

First class treatment.

Through the platform, drivers gain new levels of service while you gain new revenue streams through pre-booking and reserved spaces near elevators or entryways. Drivers will enjoy a frictionless experience that guides them to, into and out of your operations with all services in a single transaction.

Personalized experiences.

The structured data that fuels the platform recognizes your drivers and allows you to use automation and apps to provide a personalized experience that streamlines entry, payment and exit. It gives them tangible, time-saving reasons to come back, generating ongoing loyalty and revenue.

Unparalleled Driver Experiences

- Faster entry/exit
- Streamlined wayfinding
- Touchless payment
- Improved driver satisfaction



The ABMVantage Difference

An Open Platform for Your Future

The world is in the midst of a mobility revolution. ABMVantage provides flexibility to make your operation part of your region's mobility infrastructure.

Parking as vital part of urban mobility.

Parking is critical to urban mobility. ABMVantage serves as a digital bridge for your operation, helping drivers find your location and spaces inside it. It connects you to your area's larger mobility infrastructure that incorporates space for curbside pickup and dropoff, ride hailing services, mass transit, e-bikes and scooters and delivery services—from packages to food orders. It helps take cars off your roads, increasing safety and reducing congestion.

More sustainable parking.

With carbon reduction and ESG goals becoming top priorities at corporate and government levels, ABMVantage brings sustainable efficiency to your operation. It is estimated that one billion barrels of oil are wasted globally every day as people look for parking, costing drivers 17 hours every year. Our open systems approach will reduce wasted driving time by integrating with navigation apps as people drive to your operation, streamlining wayfinding inside and using mobile, touchless payment to reduce lines, idling time and emissions as drivers enter and exit.

Readiness for EV growth.

The EV market continues to grow. Younger generations overwhelmingly favor sustainable practices and say they will shift their purchasing decisions or pay a premium for sustainable products. Local governments are also starting to implement requirements for a set percentage of EV charging stations within commercial garages. ABM has the expertise to help ready your operation for EV growth through charging port installation and by ensuring your power infrastructure has the necessary capacity.

Unparalleled Future

- Parking + mobility infrastructure
- Designed to meet rising sustainability goals
- End-to-end EV solutions



Experience PARKING UNPARALLELED

Your parking operation has the potential to deliver more for your passengers, students, fans, employees, tenants and visitors.

Touchless technologies, wayfinding, EV charging, new amenities and urban mobility initiatives are converging. ABMVantage can help ensure that your operation is ready to deliver the experience drivers expect, along with new revenue and operational efficiencies.

Talk to an ABM parking expert today to set up a demonstration of ABMVantage.

1.866.478.0668

abmvantage.com

ABMVantage **Unparalleled Advantages:**

- Increase revenue
- Create new value
- Reduce operating costs
- Introduce premium driver services
- Capitalize on dynamic pricing
- Streamline the driver experience to build loyalty