

SMARTER PARKING
for SMART CITIES.™





THE IPS DIFFERENCE

Our mission is to transform cities by supplying the most technologically advanced, yet practical and affordable Smart Parking solutions in the world.

For over two decades, we have partnered with cities across the globe to build Smart Parking solutions that bring Smart Cities to life.

The ever-growing list includes Smart Parking meters (single-space and multi-space) featuring enhanced payment options, real-time wireless communications vehicle detection sensors that reduce congestion and carbon emissions; enforcement and permit management systems built to promote efficient compliance, a state-of-the-art web-based data analytics system that empowers cities to make smart policy decisions; and more — developed as a true, fully-integrated system, future-proofed to stand the test of time.

As Smart Cities evolve, we pledge to drive the industry forward with innovation that pushes the boundaries of what is possible, towards our goal of *Smarter Parking for Smart Cities™*.



99.8%
meter
uptime
BERKELEY, CA

M5™ SINGLE-SPACE METERS

The IPS flagship product and gold standard for single-space Smart Parking meters, the patented M5™ retrofits into existing parking meter housings to maximize infrastructure, and is fully-operational in seconds. An energy efficient solar power plus battery system offers an Earth-friendly energy source that reduces energy consumption. And with the convenience of multiple payment options and a simple, intuitive user interface, that means happier citizens.



SINGLE-SPACE METERS



M5 232



M5 247



M5 895

“ We went with IPS because of the possibilities — the possibility to pay with additional forms of payment, to configure the meters remotely and to use a back-end system in ways we haven’t even conceived of yet.”

— **Bill Miles**, Former Manager for Right of Way Enforcement & Meter Operations, City and County of Denver

FEATURES

- Accepts payment by coins, credit/debit card, smart card and tokens, pay-by-cell and optional NFC/contactless payment (such as Apple Pay and Android Pay) and optional EMV-approved card reader.
- Access to your data in real-time. The M5™ is wirelessly networked to a web-based, SaaS management system — no additional communication hardware or software is required.
- Retrofits into existing meter housings/poles, and maintains all current meter enforcement and collection processes with minimal effort.
- Patented combination solar power and battery system offers a power-efficient energy source that reduces frequency of battery replacement.
- Easily upgrade to contactless payment and/or EMV-approved card readers, vehicle detection sensors and in-car payment systems.

For more information: www.ipsgroupinc.com/products/m5-single-space-meters



 **300%**
increase
in revenue
during holiday weekends
COCOA BEACH, FL

MS1™ MULTI-SPACE PAY STATIONS

Built from the ground up with ease of use in mind, the MS1™ incorporates the unique features of the IPS meter platform, including enhanced payment options, modular design for ease of servicing, powerful management system, and unparalleled power efficiency. Technicians can easily change models (pay and display, pay-by-plate, pay-by-space) with a simple change of the keypad and firmware update. Customers will enjoy a flexible user experience like no other product available on the market.

MULTI-SPACE PAY STATIONS



Pay-by-space



Pay-by-plate



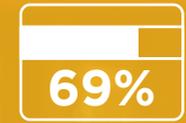
Pay and display



FEATURES

- Highly-secure, stainless steel cabinet with weather and graffiti-resistant powder coating and scratch-resistant armored glass LCD display window.
- Wirelessly networked to a web-based, SaaS management system. No additional communications hardware or software is required – 3G/4G standard.
- Provides customers with the easiest user interface on the market. Intellitouch™ offers additional flexibility to complete a transaction in any order the user chooses.
- Separate maintenance cabinet and collection vault. The cash box is housed in a secure vault that features a six-point locking system and high-security lock.
- Patented combination solar power and battery system offers power-efficient energy that consistently charges with ambient sunlight.
- Easily upgrades to contactless payment and/or EMV-approved card readers.

For more information: www.ipsgroupinc.com/products/ms1



payments
made using
credit cards
OAKLAND, CA



REVOLUTION™ UPGRADE KITS

The IPS Revolution™ Retrofit Kits help cities save money and reduce waste by retrofitting outdated multi-space meters with the latest IPS technology. Cities benefit from lower equipment upgrade costs, ease of maintenance and reduced overall cost of ownership. Installation is seamless and maximizes the city's existing hardware while providing enhanced payment options and allowing integration with the IPS Data Management System (DMS).

UPGRADE KITS



Revolution ST



Revolution SM



Revolution DL1



Most kits available in Pay and display, Pay-by-space, and Pay-by-plate models, as well as with EMV and contactless payment readers.

FEATURES

- Pay stations retain existing cabinet, locks and collections while replacing upper cabinet parts and user interfacing door.
- Kits are available for the following models: Parkeon Stelio, Parkeon Strada, Parkeon DG, Digital Payment Technologies Luke I, Ventek 400, Cale MPC, Siemens Prisma, and others coming soon.
- Patented combination solar power and battery system offers a power-efficient energy source that reduces frequency of battery replacement.
- Modular-designed components provide technicians an efficient way to support and maintain equipment in the field without having to fully replace equipment or return for repairs.

For more information: www.ipsgroupinc.com/products/pay-station-upgrade-kits

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Revolution ST

Upgrades
Parkeon Stelio



Revolution SR

Upgrades
Parkeon Strada



Revolution SM

Upgrades
Siemens Prisma



Revolution CL

Upgrades
Cale MPC 104



Revolution DL1

Upgrades Digital Payment
Technologies Luke I

Revolution DL1 Custom Faceplate



Revolution RD

Upgrades
Parkeon DG



Revolution V

Upgrades
Ventek 400



DID YOU KNOW?

IPS customers experience an average of a 30% increase in parking revenue using IPS technology.

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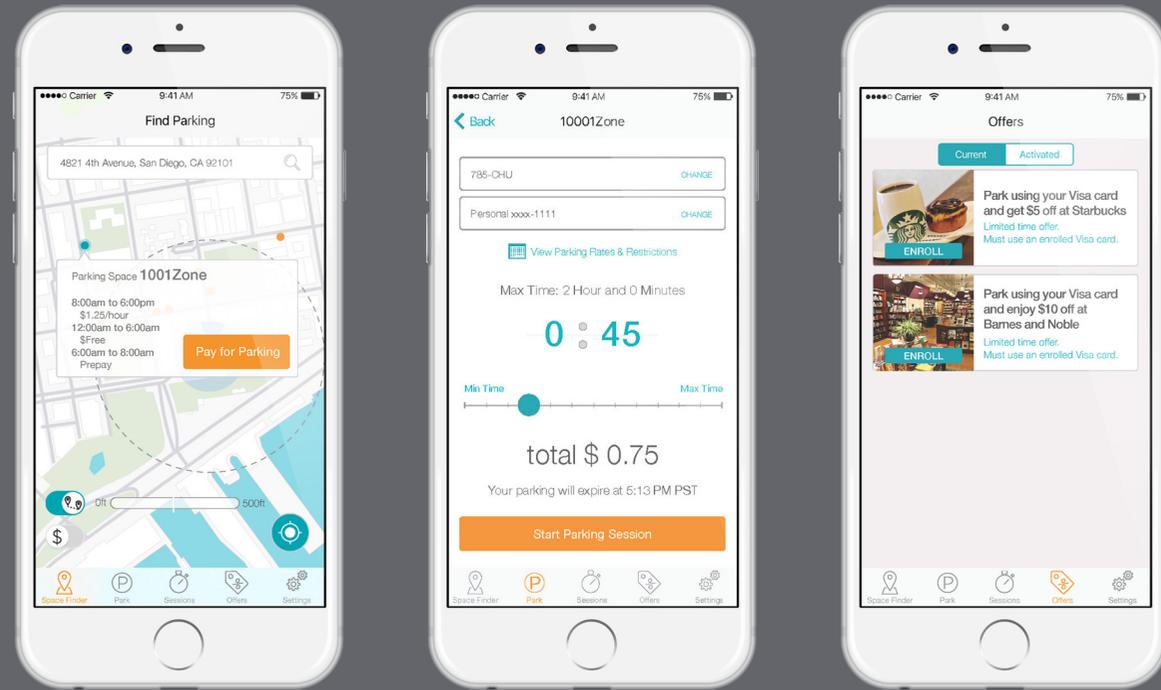


PARK
SMARTER™
can be used
WORLDWIDE



PARK SMARTER™ MOBILE APP

The PARK SMARTER™ app, powered by IPS, provides a simple, time-saving parking experience for consumers. By offering an easy-to-use app that manages the entire parking transaction, cities benefit from more efficient parking operations. With its integration with the IPS Data Management System (DMS), cities can manage parking policy with live alerts, reporting and data analytics across both meters and the mobile app. Cities that implement IPS meters can use PARK SMARTER™ at no additional cost. PARK SMARTER™ is part of the Visa Commerce Network, Visa's new reward and loyalty program. The Visa Commerce Network provides local merchants with the ability to provide parking customers with coupons, parking validation programs, and free parking options.



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FEATURES

- No convenience fees — significant savings over competitor mobile payment applications.
- Optimized with BLE connectivity to put time directly on the meter.
- Live alerts, reporting and data analytics, and easy monitoring are available through the IPS Data Management System (DMS).
- Parking finder tool allows users to search for a destination and/or nearby parking.
- Single sign-on (SSO) enables sign in/register using the same credentials as social networking sites.
- Register multiple cards and vehicles per user account.
- Integrates with Visa Checkout and Masterpass, as well as Visa Commerce Network.

For more information: www.ipsgroupinc.com/products/parksmarter



50k
annual
savings
in operational efficiencies
NEW BRUNSWICK, NJ

SMART COLLECTION SYSTEM

The IPS Smart Collection System provides a more accurate and efficient process for collecting, counting and reconciling parking meter revenues from IPS Smart Meters. The Smart Collection System offers cash collections accountability and accurate revenue tracking, transparency to the meter audit, and access to collections data from anywhere, at any time, with real-time transmission through wireless communication.

SMART COLLECTION SYSTEM



Includes a convenient mobile application (iOS and Android) for system management.

FEATURES

- Secure and tamper-resistant locks and cash box.
- Pairs wirelessly with IPS Smart Meters to confirm collection and allow meter to transmit collection data to the Data Management System (DMS) – (if meters are BLE enabled).
- Reports time-stamped data to the DMS for accurate auditing.
- Utilizes BLE and cellular technology to track collections.
- Provides extended life through dual-battery pack technology.

For more information: www.ipsgroupinc.com/products/smart-collection-system



sensors can
increase
city revenues by
25-50%

VEHICLE DETECTION SENSORS

The IPS Vehicle Detection System is the most reliable and cost-effective solution to monitor real-time occupancy data and analyze parking trends. The new Dome Mount Sensor communicates wirelessly with IPS Smart Meters, saving customers the hassle of installing additional network equipment and dramatically reducing the cost of ownership. There is no need to dig up the street space to install the Dome Mount Sensor, which makes installation and maintenance easier than ever before. With IPS sensors, Cities can generate turnover by resetting the meter, prevent piggybacking, enable more complex rate structures, and manage enforcement with maximum efficiency.

SENSORS



Dome Mount



Pole Mount



In Ground

FEATURES

- Integrates directly into the meter dome for quick, non-intrusive installation and easy access for maintenance and/or replacement.
- Integrates seamlessly with the IPS Data Management System (DMS) and IPS or third-party enforcement applications.
- Provides the most accurate occupancy data on the sensor market, which is accessible in real-time via the DMS.
- Wireless connection to the IPS meter via cellular network — no additional infrastructure required.
- Multiple sensors configuration for any parking environment.

For more information: www.ipsgroupinc.com/products/vehicle-detection



↑ meter revenue
exceeded
\$500K
in the first 8 months
OXFORD, MS

IN-VEHICLE PAYMENT

As part of our mission to support *Smarter Parking for Smart Cities™*, IPS, in collaboration with Honda and Visa, has developed the industry's first end-to-end in-vehicle mobile payment parking solution. This exciting new innovation offers total convenience and control at the touch of a button. Motorists will experience the simplicity and convenience of paying for parking from the safety and comfort of their vehicles — no more digging for change or exiting the vehicle to feed the meter.

IN-VEHICLE PAYMENT



“ Together with Visa’s payment technology expertise and new partners like IPS Group, Inc. who are experts in their field, we can create a whole new in-vehicle experience for our customer focused on simplicity and convenience.” — **John Moon**, Developer Relations Lead at Honda Developer Studio

FEATURES

- Pay for parking from the comfort of your vehicle. Pull up to one of the smart meters, confirm the meter number from the dashboard and complete the transaction.
- Simply select the time desired and pay using the dashboard and secure Visa payment technology. The meter immediately displays the time purchased.
- Conveniently extend a parking session while on the go from the IPS smartphone mobile app.
- Apple CarPlay® and Android Auto™ compatible.

For more information: www.ipsgroupinc.com/products/in-vehicle-payment

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ENFORCEMENT

The Parking Enforcement Management System from IPS meets all your needs for any stage of the citation lifecycle including citation issuance, citation processing and delinquent collections. The system includes a Mobile Enforcement Solution; an Enforcement Management System; and an Online Public Portal. Single sign-on (SSO) enables access to meter and enforcement data in one back office. Built from the ground up and future-proofed, this system is designed to truly integrate with other IPS products to meet the demands of today AND the future, unlike old and inflexible legacy systems that can slow down or complicate citation enforcement overtime.

 **25%**
reduction
in violations

DUE TO THE ABILITY TO
INTEGRATE WITH PAY-BY-
PHONE TECHNOLOGY

ORLANDO, FL



ENFORCEMENT PRODUCT SUITE

The first, true fully-integrated enforcement parking solution. The system includes a handheld citation writer, a back office web-based application, and an online public portal.

Features

- All-in-one enforcement device with IPS meter integration.
- Dashboard features real-time statistics, heat mapping, user activity and performance analytics.
- On-demand visual reporting with multiple export formats.
- Cross-platform, cross-browser and cross-device compatibility.
- Single sign-on (SSO) enables access to meter and enforcement data in one back office.

Integration with:

- National Law Enforcement Telecommunications Systems (NLETS) in all 50 states
- Third Party Cashiering and Financial Systems
- Letter Mailing and Lockbox Payment Services

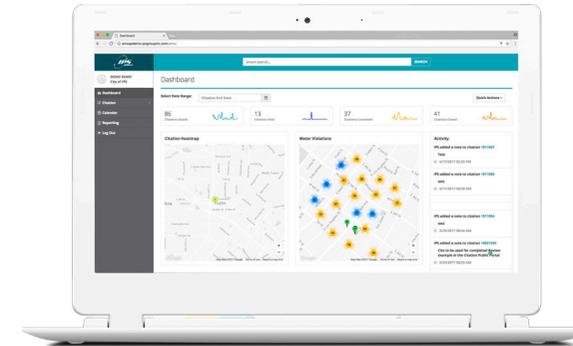


HANDHELD

The most innovative on the market today, our easy-to-use handheld citation writer ensures parking enforcement officers experience a convenient, quick and efficient citation issuance process.

Features

- Available as all-in-one 1-piece or 2-piece solution, Android OS compatible.
- Real-time syncing and connectivity.
- Lightweight and portable, but rugged to withstand weather and heavy-duty use.
- High-resolution color photos, e-chalking and heat-mapping.
- Scofflaw and customized notifications.

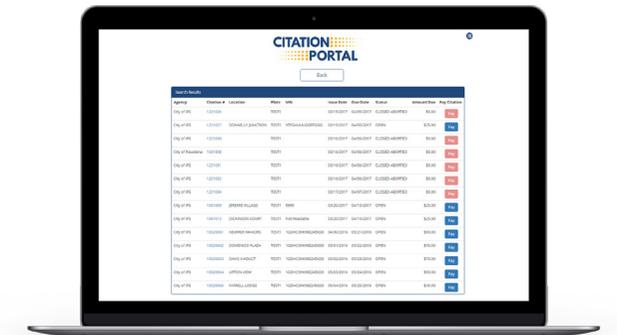


EMS

The Enforcement Management System (EMS) is a real-time, web-based enforcement application that gives officers access to case information including high-level citation summaries, photos, notices and letters, adjudications and voids.

Features

- Cross-compatible interface across all operating systems and devices.
- Advanced search capability and option for manual citation entry.
- Adjudication and disposition management.
- Personalized report libraries.
- Payment and refund processing.
- Notice and letter processing.



CITATION PORTAL

The Citation Portal is a website that allows citizens to review the current status of their citation, pay or obtain information on how to contest their citation, review fine amounts including late fees, and obtain additional information.

Features

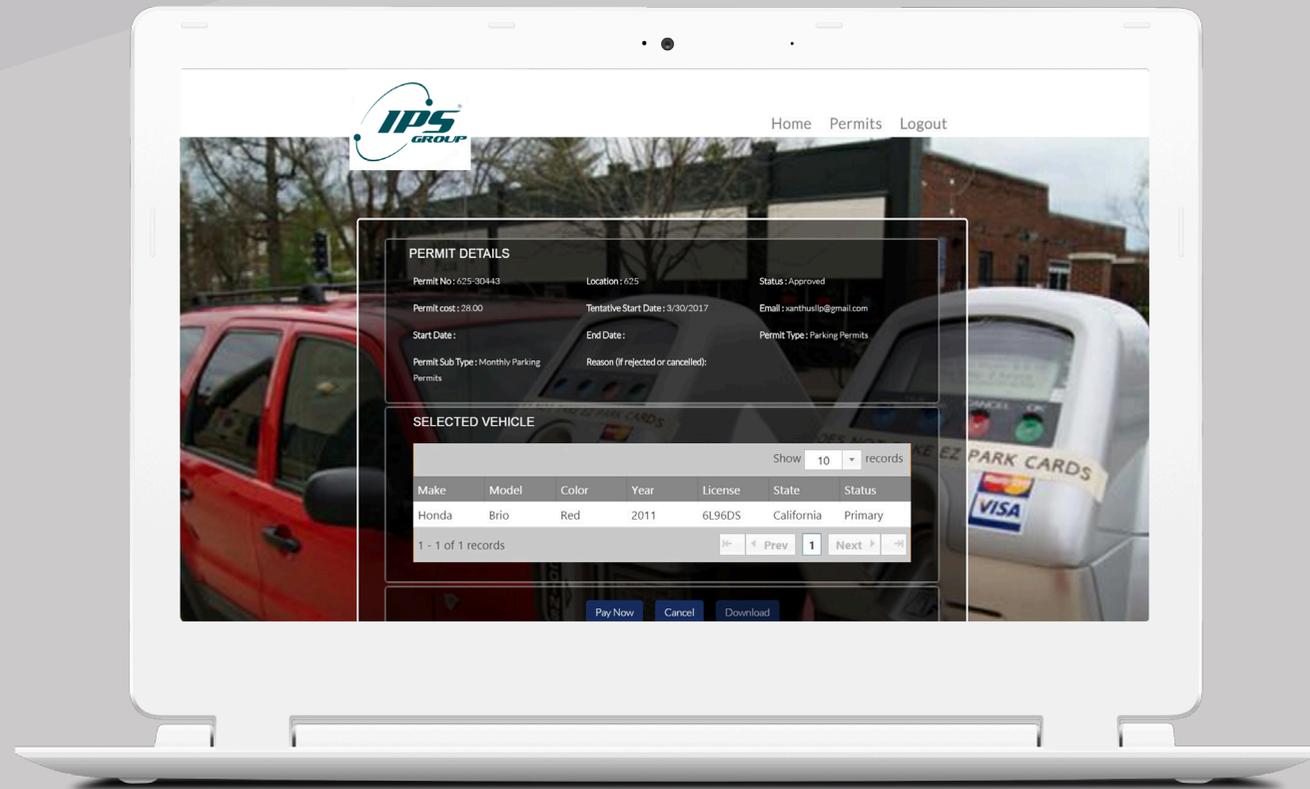
- Real-time access to citation status and transaction history.
- Highly secure PCI compliant application.
- Cross-compatible interface supports all browsers and devices.
- Customizable interface and branding.
- Comprehensive (Smart) FAQ and customer service reporting.
- Accepts all major credit cards

20%
increase in
revenue
WEST PALM
BEACH, FL

PERMIT MANAGEMENT SOLUTION

The Permit Management Solution makes it easier than ever to purchase and renew parking permits online. The system manages the entire permit lifecycle from design through fulfillment and provides full access to information and order status via a web-based system 24/7. Online reporting of payments and other permit activities provides maximum visibility to managers to track and analyze data and better manage their entire permit network. The customer-facing website conveniently allows users to review rates and availability, apply for a permit, upload verification documents, and pay online.





Fully-integrated with the IPS Parking Enforcement Management Solution.

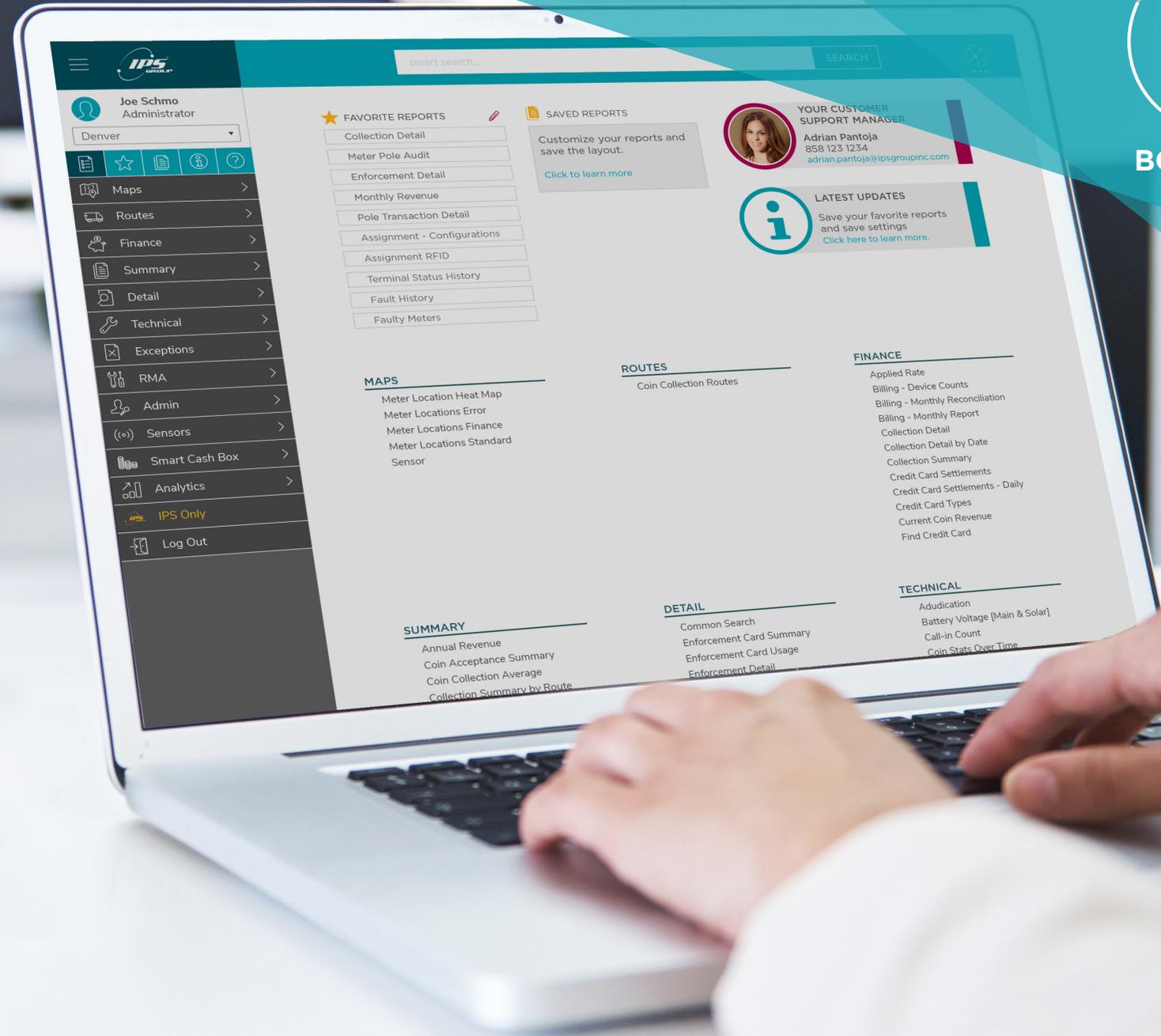
FEATURES

- Unlimited permit types and rates, including residential, guest, daily, etc.
- Multiple permit format options available including decals, hang tags, or electronic permits.
- Search permit information by license plate, location, contact name, or permit number.
- Comprehensive online reports, exportable in Excel and PDF.
- Waiting List Management.
- Secure log-in and access to permit information 24/7, vehicle and permit data updated in real-time.
- Issue permits as decals, hang tags, or electronic.
- Process and generate renewal letters.
- Temporary permits available immediately.
- Void lost, damaged, and stolen permits.

For more information: www.ipsgroupinc.com/products/permitting



BOONE, NC



DATA MANAGEMENT SYSTEM

The IPS Data Management System (DMS) allows parking professionals to remotely monitor their entire parking network from anywhere, at any time. The DMS provides a comprehensive set of financial, technical, and administrative reporting features paired with remote meter configuration, and allows managers to seamlessly integrate parking meters with vehicle detection sensors, pay-by-cell capability, enforcement and permitting, and other smart applications. The next-generation DMS is built for the future of Big Data. It is designed with a more intuitive user experience and features to better support your City's business and enable strategic, data-driven decisions.

The screenshot displays the DMS web application interface. The top navigation bar includes the user name 'Joe Schmo Administrator' and the location 'Denver'. A search bar is visible. The main content area shows a table titled 'Exceptions' with columns for Date, Time, Pole, Terminal, Carrier, \$ Received, \$ Applied, Start Time, End Time, and Meter. The table contains 20 rows of data, all showing transactions for Verizon on various dates in 2016.

Date	Time	Pole	Terminal	Carrier	\$ Received	\$ Applied	Start Time	End Time	Mete
11/22/2016	08:15:06	1458	1458	Verizon	\$ 02.25	\$ 02.25	08:15:06	08:15:06	
11/22/2016	08:31:16	1458	1458	Verizon	\$ 02.25	\$ 02.25	08:31:16	08:31:16	
11/22/2016	08:45:54	1458	1458	Verizon	\$ 02.25	\$ 02.25	08:45:54	08:45:54	
11/22/2016	09:04:22	1458	1458	Verizon	\$ 02.25	\$ 02.25	09:04:22	09:04:22	
11/22/2016	09:55:11	1458	1458	Verizon	\$ 02.25	\$ 02.25	09:55:11	09:55:11	
11/23/2016	08:15:06	1458	1458	Verizon	\$ 02.25	\$ 02.25	08:15:06	08:15:06	
11/23/2016	08:31:16	1458	1458	Verizon	\$ 02.25	\$ 02.25	08:31:16	08:31:16	
11/23/2016	16:45:54	1458	1458	Verizon	\$ 02.25	\$ 02.25	16:45:54	16:45:54	
11/23/2016	17:04:22	1458	1458	Verizon	\$ 02.25	\$ 02.25	17:04:22	17:04:22	
11/24/2016	09:55:11	1458	1458	Verizon	\$ 02.25	\$ 02.25	09:55:11	09:55:11	
11/24/2016	10:15:06	1458	1458	Verizon	\$ 02.25	\$ 02.25	10:15:06	10:15:06	
11/24/2016	11:31:16	1458	1458	Verizon	\$ 02.25	\$ 02.25	11:31:16	11:31:16	
11/24/2016	14:45:54	1458	1458	Verizon	\$ 02.25	\$ 02.25	14:45:54	14:45:54	
11/24/2016	15:04:22	1458	1458	Verizon	\$ 02.25	\$ 02.25	15:04:22	15:04:22	
11/24/2016	16:55:11	1458	1458	Verizon	\$ 02.25	\$ 02.25	16:55:11	16:55:11	
11/24/2016	17:15:06	1458	1458	Verizon	\$ 02.25	\$ 02.25	17:15:06	17:15:06	
11/24/2016	18:31:16	1458	1458	Verizon	\$ 02.25	\$ 02.25	18:31:16	18:31:16	
11/26/2016	08:45:54	1458	1458	Verizon	\$ 02.25	\$ 02.25	08:45:54	08:45:54	
11/26/2016	09:04:22	1458	1458	Verizon	\$ 02.25	\$ 02.25	09:04:22	09:04:22	
11/26/2016	09:55:11	1458	1458	Verizon	\$ 02.25	\$ 02.25	09:55:11	09:55:11	
11/26/2016	08:15:06	1458	1458	Verizon	\$ 02.25	\$ 02.25	08:15:06	08:15:06	
11/26/2016	08:31:16	1458	1458	Verizon	\$ 02.25	\$ 02.25	08:31:16	08:31:16	
11/26/2016	08:45:54	1458	1458	Verizon	\$ 02.25	\$ 02.25	08:45:54	08:45:54	
11/26/2016	08:45:54	1458	1458	Verizon	\$ 02.25	\$ 02.25	08:45:54	08:45:54	

FEATURES

- Fully-integrated with all IPS technologies.
- Real-time data available 24/7/365 from any web-enabled device.
- Easy-to-use navigation streamlines access to the data you need.
- Favorite Reports function on the dashboard creates a list of frequently-used reports.
- Single sign-on enables access to entire network with just one easy, secure login.
- Ability to maintain custom report layout for consistency in future reporting.
- Maintains the latest in encryption and internet security.
- Customizable dashboards and analytics provide visual representations to pinpoint patterns and trends.
- Reports enable customers to review maintenance, revenue, or collections of a single meter, area, zone or the entire parking network.
- Smart Search by pole, terminal, sensor, RFID, configuration, or any report.

For more information: www.ipsgroupinc.com/products/data-management-system



Access via any current internet browser including Google Chrome, Mozilla Firefox, Microsoft Internet Explorer, Safari, and mobile phone browsers



A TRUE, FULLY-INTEGRATED SOLUTION

Powered by state-of-the-art technology. Available only from IPS Group.

Our customers tell us that their primary goals are optimized parking utilization, maximum system up-time, more efficient and sustainable operations, and exceptional customer satisfaction. IPS believes that the parking systems of the future won't just display data, but provide recommendations to achieve the goals of each individual client. Our belief is that to accomplish these goals and build both flexibility and capability for the future, it takes a true, fully-integrated parking solution.

IPS is that solution.

Unlike some that promote surface level integrated solutions with basic data sharing, IPS offers a deeply connected system built from the ground up with complete system-wide control at your fingertips.

Partnering with a trusted supplier like IPS can transform your city's program. IPS is the only supplier to provide a best-in-class product suite, fully connected and powered by one back-end software solution that intelligently manages all aspects of a parking program.

Designed with our customer's goals in mind, our continuous investment in future-proof technology ensures your needs are met — whether it's today, tomorrow, or 10 years down the road. The IPS integrated solution will stand the test of time.

Fully-Integrated. Easy to Use. Powerful.

Contact us today for more information or a free trial of any of our innovative products.
ipsgroupinc.com/contact-us | Promo Code: SMARTPARKING



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