The LEP Ecosystem: Components

**LEP Benefits Municipalities**
- Faster permit issuance and easier program management
- Eliminates cost and hassle associated with permit decals and hangtags
- Digital Parking Permits
  - Streamlined payment with license plate-linked accounts
  - License plates identify vehicles with valid reservations
- Reserved Parking
  - Immediately identifies unpaid vehicles and issues citation
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- Parking Guidance Systems
  - A complementary component to LEP, these systems deliver real-time parking availability information to consumers using electronic signage, mobile applications, or parking guidance systems
- Parking Management Systems
  - Advanced parking payment systems that utilize advanced payment systems, reservation management, and citation management

**LEP Benefits Consumers**
- Incredibly convenient, users simply enter their license plate number at a pay station or on their mobile phone
- Pay for parking at any time of day or night
- Pay for parking or add time at any pay station
- Accepts numerous forms of payment (coins, bills, credit cards, smart cards, even coupons)
- License Plate-Enabled Parking (LEP) is arguably the single largest productivity enhancement for parking operations in decades.

**The LEP Ecosystem: integration**

**Pay-by-License Plate (PPL) Pay Stations**
- Pay stations and Pay-by-Phone systems are typically located in high-traffic areas, such as hospitals, airports, and universities. They are easy to use and provide a fast and convenient way to pay for parking.
- Pay-by-License Plate (PPL) Pay Stations
  - Pay for parking with your mobile phone
  - Receive parking expiry reminders on your mobile phone
  - Get directions to the nearest available parking

**License Plate Recognition (LPR) Systems**
- LPR systems are used to detect license plates, automatically identify vehicles, and collect parking fees.
- LPR Systems
  - Immediately identifies unpaid vehicles and issues citation
  - Stores vehicle images for future reference

**Parking Guidance Systems**
- A complementary component to LEP, these systems deliver real-time parking availability information to consumers using electronic signage, mobile applications, or parking guidance systems.
- Parking Guidance Systems
  - Reduce traffic congestion and pollution
  - Increase customer satisfaction

**Central Management System**
- The central management system is responsible for managing the parking operation, including enforcement, parking management, and citation management.
- Central Management System
  - Monitors occupancy and turnover levels
  - Monitors parking availability information

**Data Synchronization**
- Data synchronization is crucial to the operation of LEP. This component ensures that data from various sources, such as pay stations, LPR systems, and other components, are synchronized and up-to-date.
- Data Synchronization
  - Sends parking expiry reminders to your mobile phone
  - Sends parking expiry reminders to your mobile phone

**Business Intelligence**
- Business intelligence is used to analyze data from LEP components to gain insights into parking usage patterns and parking demand.
- Business Intelligence
  - Monitors occupancy and turnover levels
  - Monitors parking availability information

**Resource Management**
- Resource management is responsible for managing the resources needed to operate the LEP ecosystem, including staff, equipment, and parking space.
- Resource Management
  - Monitors occupancy and turnover levels
  - Monitors parking availability information

**LEP Components**
- LEP components include LPR systems, pay stations, parking guidance systems, and business intelligence systems.
- LEP Components
  - Monitor occupancy and turnover levels
  - Monitor parking availability information

**LEP in Practice**
- The LEP ecosystem has been implemented in various cities, resulting in increased efficiency, lower costs, and improved customer satisfaction.
- LEP in Practice
  - Monitor occupancy and turnover levels
  - Monitor parking availability information

**The LEP Experience**
- The LEP experience is designed to be fast, convenient, and reliable, with a focus on improving customer satisfaction and reducing costs.
- The LEP Experience
  - Monitor occupancy and turnover levels
  - Monitor parking availability information

**The LEP Ecosystem**
- The LEP ecosystem is a comprehensive solution for managing the parking operation, including enforcement, parking management, and citation management.
- The LEP Ecosystem
  - Monitor occupancy and turnover levels
  - Monitor parking availability information

**LEP Benefits**
- LEP benefits include faster and more convenient parking, increased potential revenue, and more cost-effective solutions.
- LEP Benefits
  - Increased potential revenue
  - More cost-effective solutions

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