

Automated space availability monitoring

This workflow continuously monitors parking space occupancy using sensors and cameras, automatically updating availability data in real-time to optimize space utilization and customer experience.

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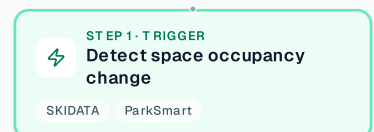


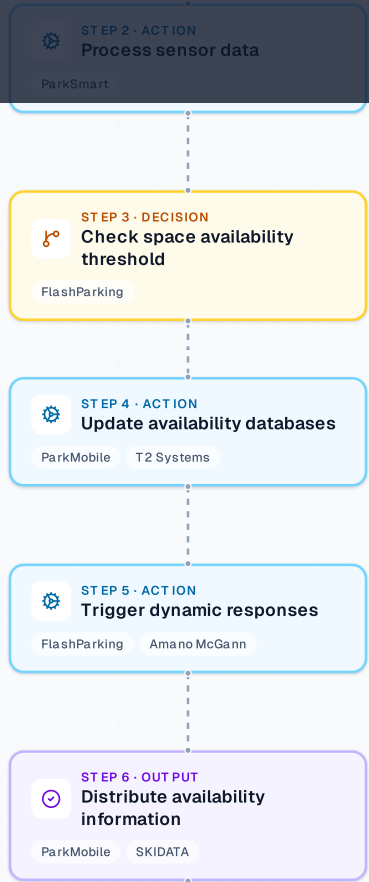
WORKFLOW TRIGGER

Vehicle enters or exits a monitored parking space

Visual Flow

Each node represents an automated step. Connections show how data and decisions move through the workflow.





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Step-by-Step Breakdown

Detailed explanation of each automated stage in the workflow.

1

Detect space occupancy change

IoT sensors and cameras detect when a vehicle enters or exits a parking space. The system captures timestamp, space ID, and occupancy status.

SKIDATA

ParkSmart

2

 ACTION

Process sensor data

Raw sensor data is validated and processed to determine accurate occupancy status. Multiple sensor inputs are cross-referenced to eliminate false positives.

ParkSmart

3

 DECISION

Check space availability threshold

System evaluates if the parking facility has dropped below critical availability threshold (typically 10-15% available spaces). This determines if dynamic pricing or alerts should be triggered.

FlashParking

4

Update availability databases

Real-time occupancy data is synchronized across all connected systems including mobile apps, digital signage, and reservation platforms. Historical data is also logged for analytics.

ParkMobile

T 2 Systems

5

 ACTION

Trigger dynamic responses

Based on occupancy levels, the system automatically adjusts parking rates, sends notifications to customers, and updates wayfinding displays. Predictive algorithms forecast future availability.

FlashParking

Amano McGann

6

 OUTPUT

Distribute availability information

Updated space availability is pushed to customer-facing channels including mobile apps, website widgets, and digital signage throughout the facility.

ParkMobile

SKIDATA



Outputs

- Real-time space availability data
- Updated mobile app displays
- Dynamic pricing adjustments
- Predictive availability forecasts



Key Metrics

- Average space utilization rate
- Real-time data accuracy percentage
- Customer wait time reduction



Tools & Integrations

- SKIDATA
- ParkSmart
- FlashParking
- ParkMobile
- T2 Systems
- Amano McGann

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