



# PARKING GUIDANCE

Real-time parking data that delivers  
an enhanced parking experience for  
drivers and operators alike.



# Q-Free PGS

## Parking Guidance System

### Overview

Globally proven for more than a decade, Q-Free Parking Guidance Systems help drivers locate more than 250,000 parking spaces each day. Accurate space availability is gathered by ultrasonic sensors – the most reliable technology on the market – and shared with drivers via wayfinding signs, websites, mobile apps, and more.

- Drive down congestion, pollution, and stress related to the search for parking
- Optimize operational costs and boost revenues
- Create a positive user experience



### Applications

Parking Guidance Systems are gaining popularity across a wide variety of industries.

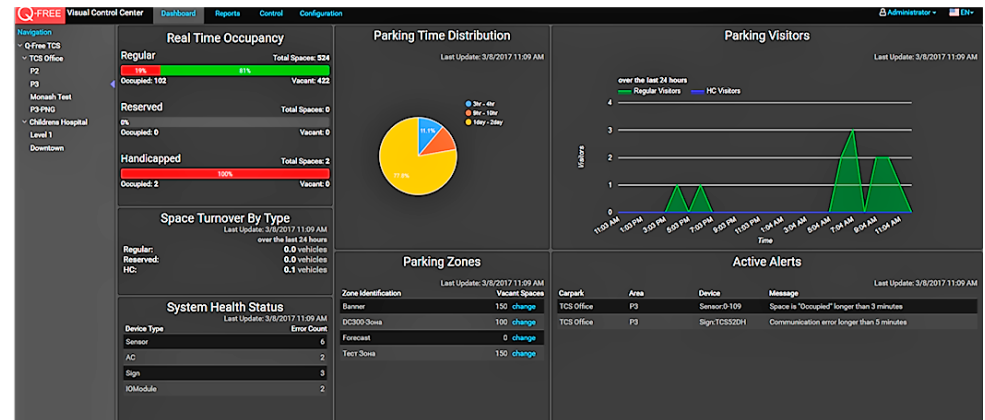
Q-Free solutions currently support:

- Large Employers
- Universities
- Hospitals
- Casinos
- Airports
- Shopping Malls
- Mixed-use facilities

Q-Free Parking Guidance Systems are flexible to fit any customer requirement from large single space installations to small facility count projects. An open API interface allows the system to easily integrate with other technologies and third-party products, providing one of the most flexible solutions on the market.

### How it Works

Overhead ultrasonic sensors track vehicles to accurately determine occupancy by facility, level, or individual space. Availability is shared on strategically placed wayfinding signs or other media, guiding drivers to available parking.



### Unparalleled Technology

#### VEHICLE SENSORS

Q-Free has two types of ultrasonic sensors that may be used alone or in conjunction with each other to meet any goal and budget.

Ultrasonic technology is the most accurate and reliable on the market, delivering better results than camera or loop-based systems.

- **Ultrasonic Single-Space Sensors**  
Monitor individual space occupancy for the entire garage or for specific spaces like ADA/handicap or electric vehicle charging. Each sensor has LEDs that illuminate to indicate status, e.g. open, occupied, reserved.
- **Ultrasonic Directional Sensors**  
Track vehicles in multiple directions as they enter, exit, or maneuver the parking garage to manage space availability by facility or level.

#### WIRELESS COMMUNICATION

Q-Free's unique wireless system design eliminates the need for expensive cable and conduit from each device to the central server – required in most parking guidance installations.

The wireless mesh network is custom designed for each installation for optimal signal strength guaranteeing system uptime of 99.99%.

Hardwired applications are also available.

#### VISUAL CONTROL CENTER

Q-Free's user-friendly Visual Control Center (VCC) is a robust solution to monitor, store, and analyze parking sensor data.

Based on their permissions, users can access the VCC:

- **Dashboard** – View real-time occupancy charts, turnover rates, and visitor trends at a glance.
- **Reports** – Create and schedule reports to identify usage trends, occupancy, and length of stay.
- **Control** – Set up, monitor, and control parking guidance devices including sensors and signs.
- **Configure** – Establish business rules, custom messaging, and more.

Visit our [website](http://www.q-free.com) for more information on our complete ITS portfolio.



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