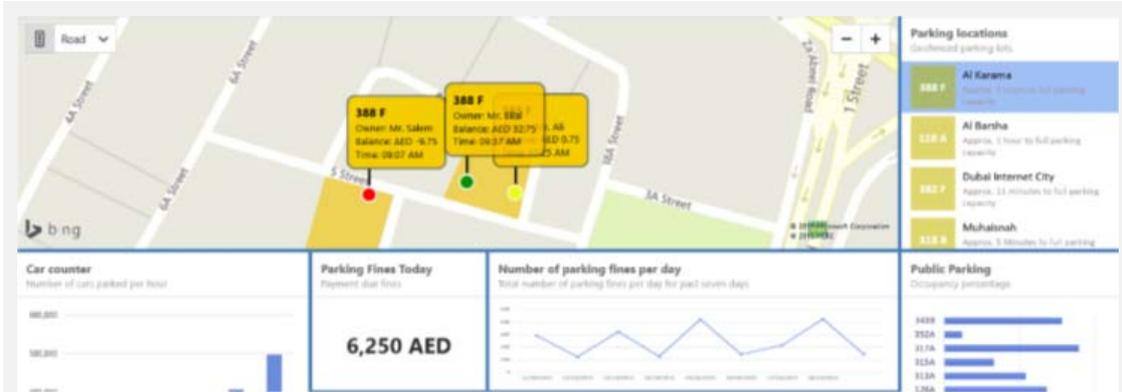# Multi-Vendor Parking Dashboard and Notification System

Leading Parking Management company hired Infinite to build a dashboard representing operational view of all the managed parking assets

32 M
Data Points Processed in 3 years

30%
Increase in operational efficiency

0.1 Sec
Response time for the notifications

The Customer

Our client is a $ 50 M + parking management company that manages parking and ground transportation services in more than 70 Airports in North America. Additionally, they operate parking and ground transportation services for municipal and private property owners in more than 60 cities throughout the United States and Central America.

About Infinite

Infinite computing systems is a Microsoft Gold Partner that helps clients innovate in their businesses, improve customer relationship and increase operational efficiencies through the use of BI, Data analytics and Dashboards, Dynamics 365, .NET, Power BI, Mobile Apps and Microsoft Azure.

Challenge

Build a single portal system that aggregates data from the multiple hardware systems and builds a standard application UI for all the different device interfaces in the parking facility. Additionally, a one stop notification system was required to add dynamic rules for notifying maintenance staff when any recorded data showed anomaly.

Our Solution

Microsoft Azure cloud based web application built using Microsoft .NET framework with the application programming interface built on Model View Controller (MVC) architecture. To standardize the data feed from the multiple hardware sources, Infinite built a patent pending parking data aggregation and standardization library (PDASL) using algorithms written in C#. To build the push notification system, an Android app was built that had both manual and auto options for sending the messages from command center dashboard

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Xamarin   Power BI   Microsoft Azure   android   Microsoft .NET