

FUELSAVE

FUEL PRICE & LOCATION-BASED MOBILE APP

Finding the Best Diesel Price, Wherever You Are

A mobile app that puts South African fuel stations on a map — with prices, products and directions — so drivers can compare diesel prices by location.

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Executive Summary

In South Africa, unlike petrol, the retail price for diesel is unregulated, which allows fuel stations to set their own diesel prices. FuelSave was created in response: a mobile application that shows fuel stations and petrol garages in South Africa on a map, together with their prices and products.

We developed FuelSave for iOS and Android using Xamarin, supported by a custom PHP and MySQL Content Management System. The app helps customers find the best diesel price, and is intended to support petrol prices in the future.

The brief wasn't to publish a price list. It was to put fuel prices on a map, so a driver can see what diesel costs at the stations around them and decide where to fill up.

This case study is a working example of how mobile location services can help consumers make more informed purchasing decisions in a market where diesel prices vary between fuel stations.

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mobile platforms: iOS and Android

Diesel

price comparison by location

Map-based

view of South African fuel stations and petrol garages

Custom

PHP and MySQL CMS behind the app

The Business Problem

Diesel prices in South Africa are not regulated in the same way as petrol prices, so fuel stations can set their own. That creates a need for customers to compare prices by location.

The application needed to give users a simple way to find and compare stations. Underneath that sat a set of requirements the solution had to absorb:

- Viewing fuel stations and petrol garages in South Africa on a map.
- Setting a preferred product.
- Comparing available products and prices, starting with diesel.
- Sorting nearby fuel stations by closest location or best price.
- Viewing contact details for a selected station.
- Getting driving directions from the user's current location.

In a market where diesel prices vary between fuel stations, the value lies in bringing price, product and location together in one place.

Why This Was a Hard Problem to Solve Well

A price list is not difficult to publish. A location-aware app that lets drivers compare prices across fuel stations, sort by what matters to them and navigate to their choice is a different kind of problem — and that difference is exactly where we add value.

Price only helps in context

A diesel price means little without knowing where the station is. The app combines price with location, letting users sort nearby stations by closest location or best price.

From comparison to arrival

Finding the best price is only half of the journey. Users can view a selected station's contact details and get driving directions from their current location, so the comparison leads straight to the station.

Diesel first, petrol intended

The app was created in response to unregulated diesel pricing, and is intended to support petrol prices in the future.

Knowing that a price only becomes useful once it is tied to a location is what turns a price list into a tool drivers can act on.

Our Role: From Problem to Platform

We developed the FuelSave mobile application for iOS and Android using Xamarin, together with the custom PHP and MySQL Content Management System that forms part of the solution.

- Developed the FuelSave mobile application for iOS and Android using Xamarin.
- Built a custom Content Management System on PHP and MySQL as part of the solution.
- Implemented map-based display of fuel stations and petrol garages, with their prices and products.
- Added product selection, diesel price comparison, and sorting by closest station or best price.
- Included station contact details and driving directions from the user's current location.

The Solution We Delivered

The result is a practical iOS and Android app, supported by a custom PHP and MySQL CMS, designed to help users find fuel stations, compare prices and navigate to the option that best suits them.

Mobile Application

A Xamarin app for iOS and Android that shows fuel stations and petrol garages in South Africa on a map, with their prices and products.

Custom CMS

A custom Content Management System built on PHP and MySQL, forming part of the FuelSave solution.

Platform capabilities at a glance

- Fuel station and petrol garage listings.
- Map-based station display.
- Product selection.
- Diesel price comparison.
- Sorting by closest fuel stations.
- Sorting by best prices.
- Station contact details.
- Driving directions from the user's current location.
- Future support intended for petrol prices.

Technology Stack

Mobile App

Xamarin, for iOS and Android mobile app development.

CMS

PHP, for the custom Content Management System.

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Business Value Delivered

Better-Informed Fuel Decisions

- Customers can compare diesel prices across fuel stations and petrol garages in South Africa.
- Users can find nearby stations and identify better prices.

From Price to Pump

- Users can view details for a selected station.
- Driving directions from the user's current location are available in the app.

A Foundation for Petrol

- The app is intended to support petrol prices in the future.

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Why It Matters

This project is a working example of how mobile location services can help consumers make more informed purchasing decisions in a market where diesel prices vary between fuel stations.

- Where prices vary between suppliers, comparison by location is what makes price information useful.
- Sorting by closest station or best price lets each user decide which matters more.
- Contact details and driving directions carry the user from comparison to the station.
- Starting with diesel, where prices are unregulated, keeps the app focused on the problem that prompted it.

If your organisation needs to put location-based information in front of customers on their phones, this is the kind of app we build: understood properly, built carefully, and delivered as a tool people will actually use.

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