

# Platform for Location Intelligence



## Overview:

The client's goal is to leverage big data to offer insights and recommendations that would assist in solving complex city challenges; leading to designing of places people want to spend time in. The target beneficiaries of the offerings are designers, developers, policy makers, engineers, asset managers. The insights can help them significantly make better evidence-based decisions.

At the time Mindfire was approached for tech assistance, the client had an existing platform to which they wanted to add some additional features. Besides that, they wanted us to build another platform ground up. This was essentially getting done to build a tool that would complement the main platform. The end goal was to offer businesses a comprehensive intelligent solution- one that had the ability to access and analyze synthesized big-data streams, provision for easy-to-use data mapping and analysis, advanced analytics, and custom city geospatial dashboards. Businesses wanting to utilize these services can expand their networks using the platform, gain insights from a global case study library and develop their skills with integrated strategy and insights. Putting everything together, it can help them make more informed decisions and drive growth.

## Client details:

Name: Confidential | Type: Real Estate | Location: Australia

## Technologies:

PHP, Laravel, Docker, Next.js, AWS, MongoDB

## **Project Description:**

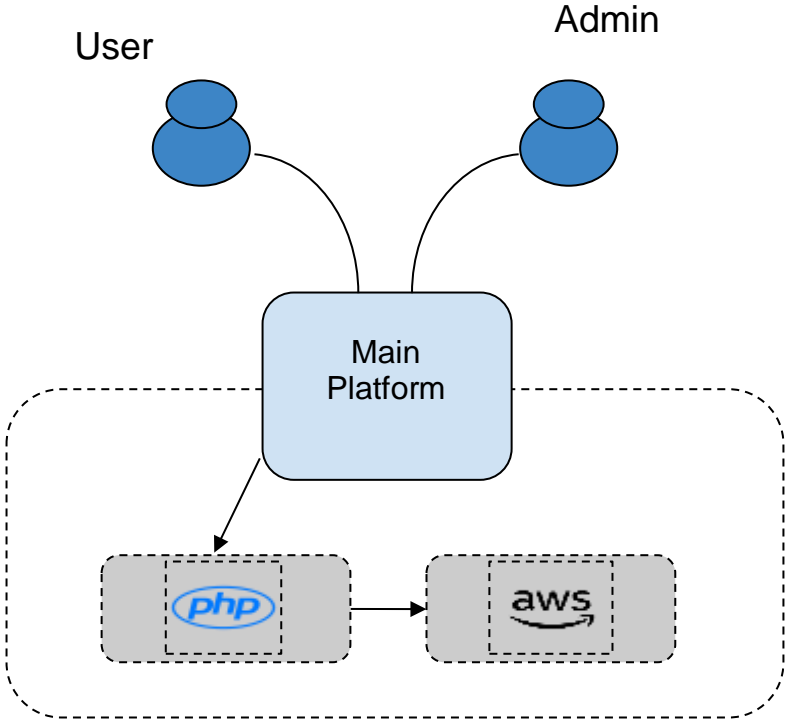
The client offers a comprehensive solution for Location Intelligence Management consisting of two separate applications. The primary application is designed to assist city planners in creating people-centric places by leveraging big data, locational insights, and predictive intelligence. The second application is a designer tool that complements the main application by allowing users to create specific boundaries manually and seamlessly integrate the details with the main application for further processing. Together, these two applications provide a powerful solution for managing location intelligence.

The main application centers on utilizing big data to enhance people's experiences within the built environment. It aims to identify areas for improvement, understand how people interact with places over time, and provide insights and recommendations to support city planners, designers, developers, policymakers, engineers, and asset managers in making informed decisions. The application's server is built using the technologies of PHP with Laravel Framework and Next.js and is hosted on AWS infrastructure.

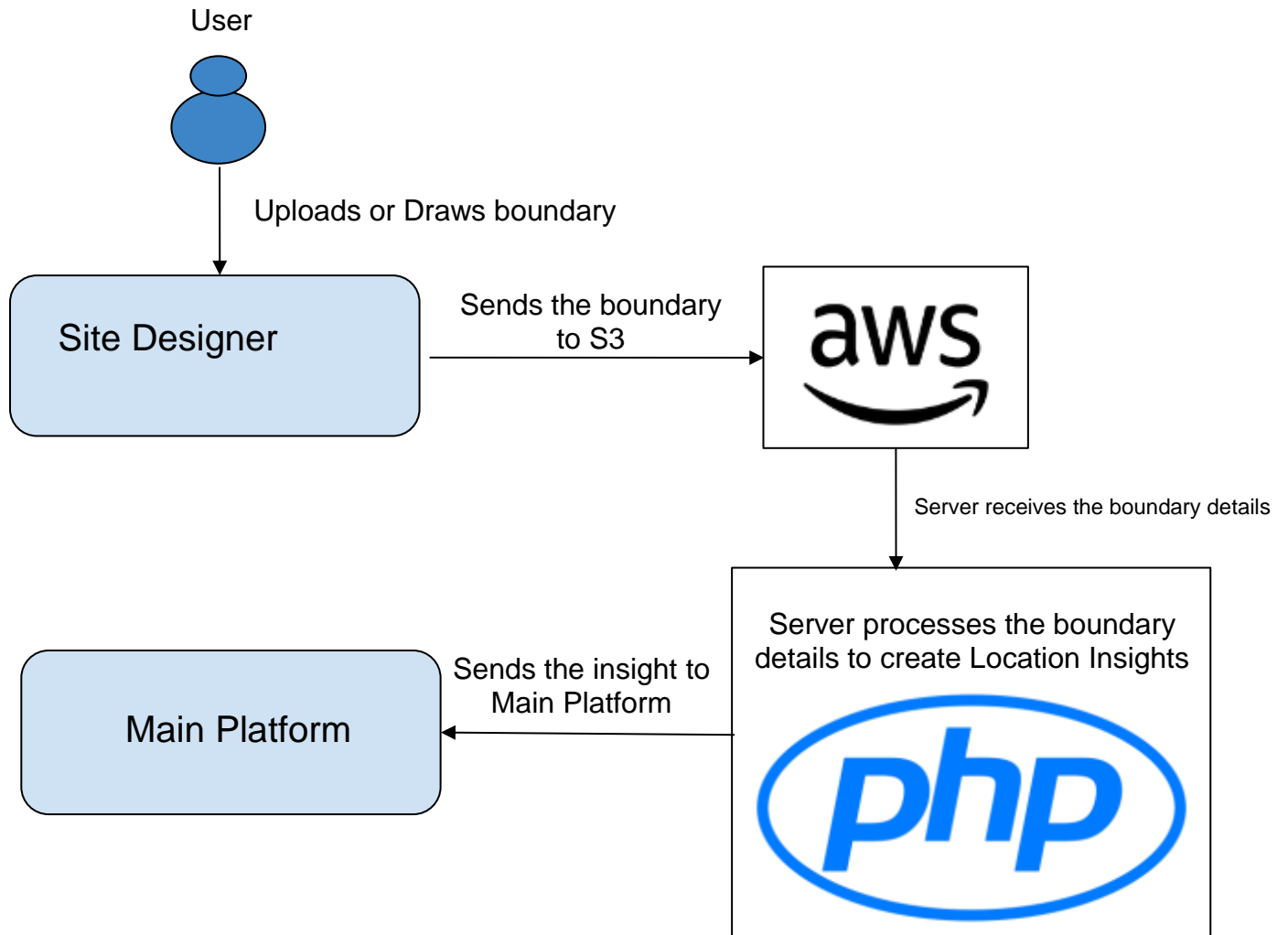
The second application, a designer tool, allows users to create custom boundaries by either importing GeoJSON data or manually drawing them and then sending the details to the server for processing. This data is then utilized by the main application to generate insights. It is primarily a front-end application built using Next.js, and MongoDB and hosted on AWS.

**Architecture:**

**Main Platform**



### Designer Tool:



## Screenshots:

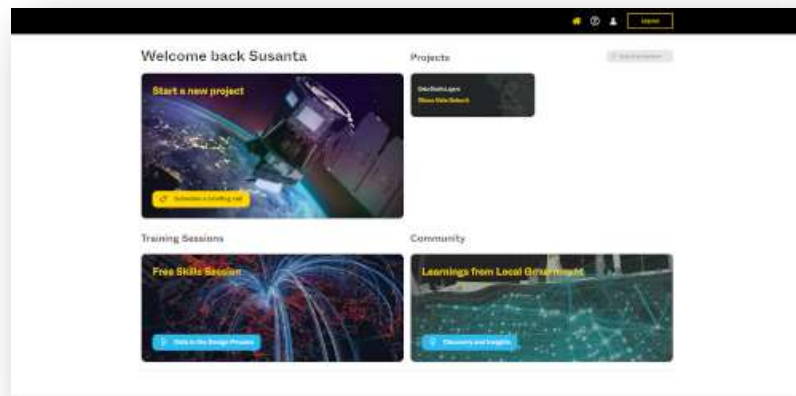


### Main Platform

Screen1: Login



Screen 2: Home Page



Screen 3: Data Studio Layers



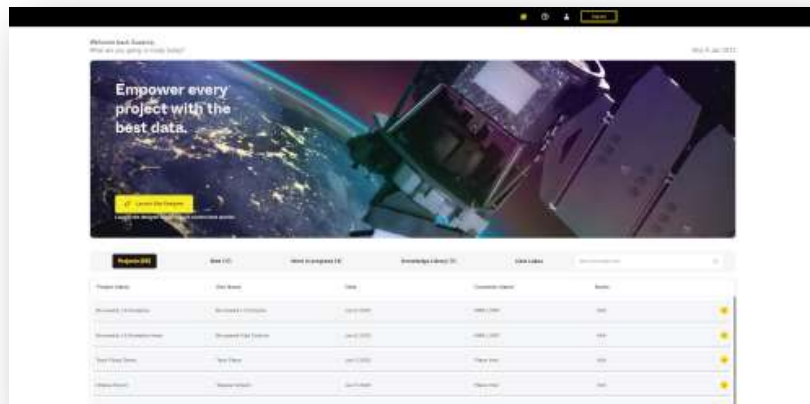
# Designer Tool



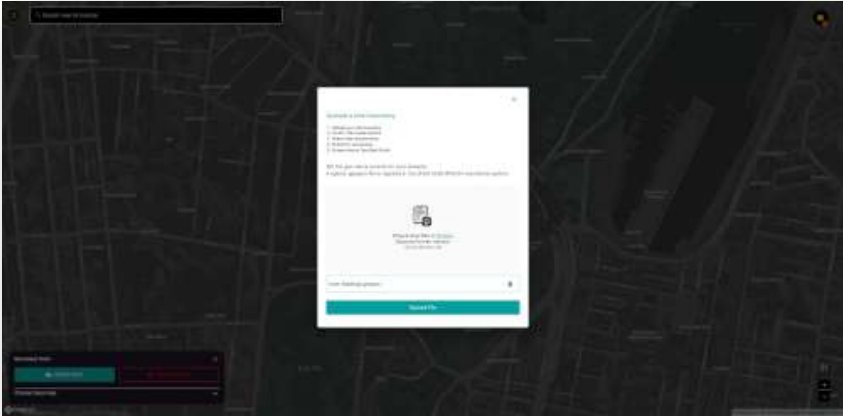
Screen 1: Login



Screen 2, 3 : Home Page



Screen 4, 5 : Upload / Draw Boundary



Screen 6: Confirm and send data to S3

