

Open Source Civic Engagement for **Transportation Equity**



Open Source

Libre311 SaaS platform built on the Open311 specification for reuse across any community



Accessible

WCAG-compliant design with offline functionality so all residents can participate regardless of connectivity





AI-Moderated

Google Vision API automatically detects and filters inappropriate content to keep the platform safe

SERVICES

-  Application Modernization
-  AI Solutions
-  Experience Design

TECHNOLOGY

-  Libre311 Platform
-  Google Vision API
-  WCAG Accessibility
-  Offline-First Architecture

Open Source Civic Engagement for **Transportation Equity**

THE CHALLENGE

Local Motion, a community advocacy organization in Missouri, launched the "We Move" initiative to help residents report transportation and infrastructure issues. However, the existing application was incomplete and difficult to use, limiting citizen participation and making it harder for administrators to track and respond to service requests.

OCI developed Libre311, an open-source, web-based SaaS platform designed to simplify civic engagement. Based on the Open311 specification, it allows citizens to submit service requests, track progress, and share information through an accessible, intuitive interface built to WCAG standards with offline functionality.

Google Vision API integration automatically detects and filters inappropriate content, creating a transparent, safe platform that empowers communities to communicate needs effectively while helping administrators respond with greater speed and clarity.

THE SHIFT

BEFORE The existing application was incomplete and difficult to use, preventing citizens from reporting local issues and tracking community needs.

AFTER Greater transparency of community needs and improved response times through a user-friendly, accessible platform.

BRIDGE OCI developed Libre311, an open-source SaaS application utilizing the Google Vision API for automated content management.

WHAT WE BUILT

FEATURES Open-source SaaS application with WCAG accessibility, offline functionality, and Google Vision API integration.

ADVANTAGES Supports multi-tenancy and offline use while automatically managing inappropriate image and text uploads.

BENEFITS Simplifies community engagement for non-technical users and provides administrators with better tracking and response tools.



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